

**ATTENTION: The below descriptions should only be referenced for the 2020-21 academic year.**  
All real-time course descriptions are available in the live [University Catalog of Courses and Sections Offerings](#).

**ACC-180 Special Topics in Accounting 1.00-3.00**

Selected topics applying to the study of accounting. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ACC-210 Principles of Accounting I 3.00-**

An introduction to accounting principles, practices, and systems for sole proprietorship, service, and merchandising businesses. Study includes the basic accounting model and the measuring and reporting of assets and current liabilities. Computer applications are utilized. This course is only offered in the MAP program.

**ACC-211 Principles of Accounting II 3.00-**

An introduction to accounting for corporations and manufacturing businesses. Study includes special reports, analysis of accounting information, and an introduction to managerial accounting. Computer applications are utilized. This course is only offered in the MAP program.

ACC-210 (Required, Previous).

**ACC-250 Intro to Fin & Man Accting 3.00-**

An introduction to financial and managerial accounting principles, practices, and systems for service, merchandising, and manufacturing corporations. Study includes the use, measurement, and analysis of business transactions and financial statements from the financial accounting perspective. It also includes cost concepts, systems, behavior, and financial analysis of performance from the managerial accounting perspective.

**ACC-280 Special Topics in Accounting 1.00-3.00**

Selected topics applying to the study of accounting. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ACC-310 Advanced Managerial Accounting 3.00-**

A study of management's use of accounting information through the preparation, analysis, and interpretation of financial statements and reports. Study includes the fundamentals of managerial accounting - planning, budgeting, controlling, and performance measurement. Other topics include capital expenditure analysis, analysis of financial statements, and time value of money concepts. Computer applications and financial calculators are utilized.

ACC-250 (Required, Previous).

**ACC-311 Advanced Cost Accounting 3.00-**

A study of cost analysis, activity-based costing, short-term decision making, responsibility accounting, divisional performance measurement and cost centers as they apply to cost systems. Study also includes the principles and procedures of accounting for materials, labor, and overhead as they apply to job order costing, process costing, and standard cost systems. Computer applications are utilized.

ACC-250 (Required, Previous).

**ACC-320 Intermediate Financial Accounting I 3.00-**

An advanced study of generally accepted accounting principles applied to financial reporting of corporate business enterprises. Study includes the financial accounting environment, the accounting information system, basic financial statements, and the accounting cycle. Financial calculators and cases are utilized.

ACC-250 (Required, Previous).

**ACC-321 Intermediate Financial Accounting II 3.00-**

A continuation of ACC 320 that completes a detailed study of asset, liability, and stockholders' equity accounting. Financial calculators and cases are utilized.

ACC-320 (Required, Previous).

**ACC-380 Special Topics in Accounting 1.00-3.00**

Selected topics applying to the study of accounting. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ACC-430 Federal Taxation I 3.00-**

Provides the underlying principles of federal tax laws and regulations as they apply to individuals and small businesses. Study includes the tax determination formula, gross income, personal and business deductions, depreciation, and other tax accounting issues. Computer applications are utilized.

ACC-250 (Required, Previous).

**ACC-431 Federal Taxation II 3.00-**

A study of the underlying principles of federal tax laws and regulations as they apply to tax credits, property transactions, C Corporations, S Corporations, partnerships, LLCs and other advanced tax accounting issues. Computer applications are utilized.

ACC-430 (Required, Previous).

**ACC-440 Auditing 3.00-**

A study of the principles, theory, and practice of auditing. Study includes professional ethics, auditing standards, environment, concepts, tools, techniques, the audit engagement, and reporting responsibilities. An integrated comprehensive audit practice case is utilized.

ACC-310 (Required, Previous or concurrent).

**ACC-450 Becker CPA Review Course Becker CPA Review Course 6.00-**

An overall analysis and review of the American Institute of Certified Public Accountant's Uniform CPA (Certified Public Accountant) Examination. Study includes financial accounting and reporting, regulation, auditing and attestation, and business environment and concepts. The cost of the course is included in the full-time tuition fee. Tuition discounts do not apply. A Tuition Free Continuing-Help Certificate can be earned through The Becker CPA Review Course.

ACC-321 (Required, Previous).

**ACC-455 Cases in Accounting and Finance 3.00-**

The case method of instruction is utilized to analyze, present, and defend financial management cases. The case analysis involves the stages of investigation, design, and implementation of financial management theory applied within the team dynamic. Case study includes financial statements and

time value of money, financial analysis and forecasting, working capital management, capital budgeting, long-term financing, and professional ethics. The American Institute of Certified Public Accountants (AICPA) and the Certified Financial Planner Board of Standards Codes of Ethics and Professional Responsibility are also studied. Cross-listed as FIN-455.  
Junior class standing (62 credits) (Required, Previous).

**ACC-460          Internship in Accounting I          3.00-9.00**

Designed to give qualified upper division accounting majors on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. A second internship may count for elective business experience. Graded S/U.

**ACC-461          Internship in Accounting II          3.00-9.00**

Designed to give qualified upper division accounting majors on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. A second internship may count for elective business experience. Graded S/U.

**ACC-462          Internship in Accounting III          3.00-9.00**

Designed to give qualified upper division accounting majors on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. A second internship may count for elective business experience. Graded S/U.

**ACC-470          Full-Time Accounting Internship          12.00-**

Designed to give qualified upper division 150-hour Accounting Program students an immersion experience in the accounting profession, as students work full-time for a semester. The student and the employer give periodic reports and evaluations. Accounting internship placements are paid positions. Internship learning credits do not count toward credits required in the major. A second internship may count for elective business experience. Graded S/U.  
ACC-250 (Required, Previous). | BUS-200 (Required, Previous).

**ACC-480          Special Topics in Accounting          1.00-3.00**

Selected topics of interest in accounting. May be repeated if the topics vary. Current and previous

special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ACC-499      Independent Study in Accounting      1.00-3.00**

Guided study and/or research in accounting.

**AGR-102      Intro to Animal Agriculture      3.00-**

Students in this course will study animal agriculture emphasizing the efficient production of animal food products from poultry, dairy and meat animals. This course is only offered at the Ancilla College campus.

**AGR-105      Soil Science & Crop Production 3.00-**

Students in this course learn fundamental principles of crop production and distribution. Emphasis is placed on applying technological advances in agronomy to active crop-production situations, including basic soils, agricultural meteorology, and crop physiology and breeding. This course is only offered at the Ancilla College campus.

**AGR-203      Agriculture Economics 3.00-**

Students in this course learn various applications of microeconomics as used by farms and agribusiness firms. The behavior of individual firms is evaluated, as price and output are determined in various market structures (pure competition, pure monopoly, monopolistic competition, and oligopoly). Other topics include pricing and employment of resources, market failure and the social control of industry (government, economics policy, and regulation), cost and production theory. This course is only offered at the Ancilla College campus.

ECN-200 (Required, Previous).

**AGR-221      Animal Nutrition      3.00-**

Students will learn basic principles of animal nutrition as it relates to agricultural animals and practices. Concepts covered include foodstuffs, ration formulation, feeding, digestion, absorption, and measurement of body needs and characteristics of nutrients. This course is only offered at the Ancilla College campus.

AGR-102 (Required, Previous).

**AGR-280      Special Topics in Agriculture      3.00-**

Students will study selected topics and/or current issues in agriculture. Topics vary depending upon interests of faculty and students. Prerequisites may vary. This course is only offered at the Ancilla College campus.

**AGR-299      Agriculture Capstone      3.00-**

Students will have the option to participate in an approved internship opportunity or complete a project demonstrating their knowledge of the field. This course is only offered at the Ancilla College campus.

**AIM-123      Business Analytics I      3.00-**

An introduction to the field of Business Analytics based on Microsoft Excel. Topics include data analysis,

decision strategies, forecasting, data management, visualization, and interpretation.

**AIM-223 Database Management Systems 3.00-**

An introduction to database management. Topics include data modeling, data structures, normalization, database design methodology, data security, data integrity, and database administration. Both theory and applications are stressed.

AIM-123 or BUS-109 (Required, Previous). | BUS-205 (Required, Previous).

**AIM-320 Business Decision Making 3.00-**

An introduction to the design and use of decision support systems. Emphasis is placed on forecasting, operational analysis, and database management. Both theory and applications are stressed.

AIM-123 or BUS-109 (Required, Previous).

**AIM-323 Business Analytics II 3.00-**

The course introduces students to the analytical features of Python, SAS and Tableau. Topics include: cluster analysis, regression, forecasting, diagnostics, machine learning, mapping, and data merging. Visualization and interpretation are emphasized throughout the course. Students who successfully complete the course will be competent in the application of several analytical tools.

CST-150 or CST-171 (Required, Previous). | AIM-223 and BUS-205 (Required, Previous).

**AIM-423 Business Analytics III 3.00-**

This is the capstone course for the business analytics major. Students who successfully complete the course will be prepared to organize and analyze large data sets from a variety of sources, utilize and interpret “big data”, and strategically utilize the results within an organization’s decision-making process. Familiarity with a statistical programming language is assumed.

AIM-323 (Required, Previous).

**ARH-180 Special Topics in Art History 1.00-3.00**

Selected topics of interest in art history. May be repeated if the topics vary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ARH-235 Survey of Western Art I: Prehistoric to Renaissance 3.00-**

This course is a survey of the development of the Western visual arts (i.e. painting, sculpture, and architecture) as objects of historical and cultural expression from the Prehistoric through the Renaissance.

**ARH-236 Survey of Western Art II: Baroque to Contemporary 3.00-**

This course is a survey of the development of the Western visual arts (i.e. painting, sculpture, and architecture) as objects of historical and cultural expression from the Baroque through the Contemporary World.

**ARH-247 Survey of Intercultural Art 4.00-**

A general examination of the cultures, art, and architecture outside the Western tradition with particular emphasis placed upon Native America, Africa, India, China, Japan, and the Pacific Islands. With

the exception of ARH/ART majors, this course partially satisfies the general education requirement in the cultural awareness category.

**ARH-280 Special Topics in Art History 1.00-3.00**

Selected topics of interest in art history. May be repeated if the topics vary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ARH-306 Masculinity, Imagery, and the Production of Meaning 3.00-**

Imagery reflects - and creates - our assumptions about masculinity, manliness, and gender identity. This course introduces the gender studies minor to visual representation and its critical link to these assumptions. We will learn to see, analyze, and add to our understanding of masculinity by connecting it to the production of meaning in art and visual culture. Cross-listed as GST 306.

HUM-210 (Required, Previous). | GST-200 (Required, Previous). | GST-210 (Required, Previous).

**ARH-311 The Creative Experience of Healing, Mourning, and Dying 3.00-**

Medical humanities courses raise questions of how human beings deal with health, medical intervention, illness and death. This course utilizes the perspectives of the humanities to provide students with a broader understanding of the many facets of health and disease, mourning and dying. Specifically, by way of the arts, both past and present, this course will explore the connections and ethical questions around healing, mourning and dying and how these facets of our humanity are negotiated by way of the creative experience. The course is designed for all undergraduate students, especially majors in the liberal arts and sciences who are interested in the collaboration between the humanities and health care and who are interested in exploring the transformative power of the creative process as it relates to their own physical and mental health as well as to the health of others.

**ARH-330 The Classical World 3.00-**

A study of the history and art of the Greeks and Romans through their lives, deaths and their cultural constructs including, but not limited to, religion (myth), ritual, politics, the city, athletics, gender relations, and warfare.

HUM-210 (Required, Previous).

**ARH-335 The Medieval West 3.00-**

A study of the cultures and art in the west, from the Late Roman (Antique) period to the International Gothic style, through the issue driven theme of the struggle for authority. This course can be taken in partial fulfillment of the Catholic Studies major.

HUM-210 (Required, Previous).

**ARH-337 The Byzantine East 3.00-**

A study of the culture and art in the Byzantine east, from the Late Roman (Antique) period to the fall of Constantinople, through the issue driven theme of interaction and conflict between the east and west including, but not limited to, religious ideologies and politics.

HUM-210 (Required, Previous).

**ARH-342      The Renaissance      3.00-**

Explores the art of the Renaissance from its beginnings in the Dugento to its dissolution in the 16th century.

HUM-210 (Required, Previous).

**ARH-343      The Age of Kings      3.00-**

A study of the art of the Baroque, Rococo, and Neo-Classical periods and how they reflect the changing cultural, political, and religious climate of Europe and the early United States.

HUM-210 (Required, Previous).

**ARH-344      The Modern World      3.00-**

Traces the complex world of art beginning with its roots in the ideas of Romanticism and ending with post World War II American art. Emphasis is placed upon international developments rather than focusing upon one country.

ARH-236 (Required, Previous).

**ARH-346      The Contemporary Scene      3.00-**

Beginning with the international pop movement in the mid-1950s, the student investigates the contemporary art scene and the changing roles of art and the artist.

ARH-236 (Required, Previous).

**ARH-347      Intercultural Art      3.00-**

A series of courses that explores the art and cultures which comprise the majority of the world's peoples. Emphasis is placed upon African, Oceanic, Native American, and the Middle and Far Eastern Cultures. May be taken a second time when topics vary. With the exception of ARH/ART majors, this course partially satisfies the general education requirement in the cultural awareness category.

HUM-210 (Required, Previous).

**ARH-357      American Art and Architecture 3.00-**

An examination of the styles and forms of American visual art from the Colonial period to the present. This course explores the connection between the development of the visual arts and historical and social events in both the United States and Europe and the development of uniquely American artistic styles and forms.

HUM-210 (Required, Previous).

**ARH-370      History of Photography      3.00-**

This class will piece together a history of photography's 'major trends' from its inception to the present. The class will examine images and image-makers from various time periods and will contextualize the production of photographs with relevant historical and critical writings, films, videos, and photographers' manifestoes.

**ARH-380      Special Topics in Art History      1.00-3.00**

Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ARH-480      Special Topics in Art History      1.00-3.00**

Selected topics of interest in art history. May be repeated if the topics vary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ARH-490      Senior Thesis Seminar      1.00-3.00**

A senior-level research class required for all art history majors. Each student researches and writes a major paper on a topic mutually agreed upon by student and art history advisor. They then defend the paper to a panel of three faculty. Student may enroll for one to three credits; may repeat one time for a total of three credits.

**ARH-499      Independent Study      1.00-3.00**

A senior-level research course with a topic mutually agreed upon by the student and the faculty member. May include either an annotated bibliography or a research paper and may be taken more than once if the topics vary.

**ART-110      Drawing and Design I      3.00-**

This course provides an introduction to drawing skills and design basics while exploring the major themes of the still life and self-portraiture. Developing observational drawing skills, applying the elements and principles of design, communicating with visual form, and understanding perception will be emphasized along with the historical background of the themes. Gallery and artist studio visits, as well as visiting artists' presentations, provide a contemporary and local context for the concepts of the course. Six contact hours per week.

**ART-139      Art Appreciation: Understanding the Making and Meaning of Images      3.00-**

This course introduces students to the basic principles underlying the physical and philosophical creation of artworks. By encountering artworks in person at museums and galleries in Indianapolis, students will acquire an understanding of formal composition, artistic materials and techniques. Students will also develop the ability to discern different styles and the contextual origins of different iconographies

**ART-155      Beginning Photography      3.00-**

An introductory studio course for non-art and design majors. Students learn how to use point and shoot, digital SLR's, or smartphone cameras to make better quality photographs. Composition, lighting, and thematic considerations are emphasized to learn how to make images with intent. Note: ART-155 Does not count toward a minor in photography. 4 contact hours per week.

**ART-180      Special Topics in Art      2.00-3.00**

Selected topics deemed important by the department to the advancing student in art. May be repeated for credit if topics vary. Depending on the course, student will enroll for two or three credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.



**ART-200      Sculpture I      3.00-**

An introduction to three-dimensional form, space and content. Emphasis on construction, fabrication, and assemblage techniques. Students explore relief sculpture and sculpture in the round while developing personal concepts that evolve from and relate to the form. Six hours contact per week. ART-110 (Required, Previous). | ART-210 (Required, Previous). | ART-201 (Required, Previous).

**ART-201      Three-Dimensional Design      3.00-**

An introduction to three-dimensional design concepts. Studio projects explore basic materials with an emphasis on construction processes in three-dimensions. Students develop their ability to analyze form and spatial relationships through an iterative process of drawing prototyping, and final models. Six contact hours per week. Cross-listed as THE-201.

**ART-203      Ceramics I      3.00-**

Students learn basic hand building and wheel throwing techniques as both functional and sculptural applications. Students explore traditional and experimental firing techniques including the fundamentals of glazing through proper application, health and safety practices. Six contact hours per week. ART-110 (Required, Previous). | ART-210 (Required, Previous). | ART-201 (Required, Previous).

**ART-206      Color Theory and Application      3.00-**

An introduction to theory, physical properties and use of color through hands-on projects, readings, lectures, discussions, and critiques. Students learn how color is made and manipulated, what color looks like and the cultural contexts that gives color meaning. Six contact hours per week. Cross-listed as THE-206.

**ART-210      Drawing and Design II: the Art of Self To Society      3.00-**

This course continues the advancement of drawing skills and design concepts while exploring the major themes of the figure (building from the self-portrait), abstraction, and a culminating theme of social impact. Developing observational drawing skills, applying the elements and principles of design, communicating with visual form, and understanding perception will be emphasized along with the historical background of the themes. Gallery and artist studio visits, as well as visiting artists' presentations, provide a contemporary and local context for the concepts of the course. Six contact hours per week. ART-110 (Required, Previous).

**ART-221      Painting I      3.00-**

Basic instruction in painting media and techniques as well as in the development of form and content. Six contact hours per week. ART-110 (Required, Previous). | ART-206 (Required, Previous). | ART-210 (Required, Previous).

**ART-226      Typography      3.00-**

This studio course introduces students to the history, aesthetics, vocabulary and process of typography – the study and use of letterforms in graphic design. Students grow their understanding of form, composition, and the expressive potential of typography through a series of typographically focused studio projects. Emphasis is placed on understanding the creative potential and role of typography in

meaningful visual communication. Six contact hours per week.

**ART-229 Introduction to Graphic Design 3.00-**

Students engage in studio-based studies that explore the potential of visual communication through the meaningful interrelation of word and image. Through immersive studio projects, lectures, demonstrations and critiques, students are introduced to the following essential design practices: creative strategy development; iterative design processes; product prototyping, tools, production skills, and presentation strategies. Six contact hours per week.

ART-110 (Required, Previous). | ART-206 (Required, Previous). | ART-210 (Required, Previous).

**ART-237 Printmaking I 3.00-**

An introduction to relief and intaglio printmaking media. Students are introduced to relief techniques such as the linocut and the woodcut, and to intaglio techniques such as the drypoint and etching. This course fulfills one of the requirements for art education certification. Six contact hours per week.

ART-110 (Required, Previous). | ART-206 (Required, Previous). | ART-210 (Required, Previous).

**ART-255 Photography I 3.00-**

This introductory studio course teaches students how to see through a camera lens and make photographs with intent. Through immersive studio projects, lectures, demonstrations and critiques, students are introduced to the following essential photographic practices: lighting, composition, lenses, and exposure. Student learns how to make compelling images that tell stories and visually engage the viewer. Digital SLR camera with interchangeable lenses required. Six contact hours per week.

**ART-303 Ceramics II 3.00-**

Continued skill development in hand building and wheel throwing techniques. Expectation of different clay bodies, slips, firing process, glaze materials, and glaze applications. Further exploration of functional and sculptural applications along with the development of personal concepts. Six studio contact hours per week

ART-203 (Required, Previous).

**ART-310 Drawing III 3.00-**

Students are expected to propose advanced drawing projects that develop from observational strategies into a cohesive thematic series. Project proposal development historical through contemporary exemplar research, materials explorations, technical experimentations and artwork presentation methods are emphasized. Six contact hours per week.

ART-210 (Required, Previous).

**ART-321 Painting II 3.00-**

Further instruction in painting media and techniques as well as in the development of form and content. Students are encouraged and guided toward a more personal mode of artistic expression. Six contact hours per week.

**ART-327 Creative Thinking in Graphic Design 3.00-**

This intermediate design studio course introduces strategies and processes for enabling and utilizing

creative thinking for the purpose of developing solutions for visual communication problems. Many perspectives, views and methods of creativity will be presented and explored via studio projects. Special emphasis is placed on the integration of traditional and digital media. Six contact hours per week.  
ART-226 (Required, Previous). | ART-229 (Required, Previous).

**ART-336            Moving Murals: Painting for Social Change            3.00-**

This course provides historical background on the Mexican Muralist Movement as well as analysis of contemporary murals which emphasize social change. With this framework in mind, students will plan and execute a collective mural as a donation to a community. In addition to studying mural painting techniques, students will learn how to craft a proposal, develop the ideas, and work with the community to create a social impact. Six contact hours per week.

ART-221 (Required, Previous).

**ART-341            Design for Social Impact            3.00-**

This course introduces students to design processes and skills for social impact, including qualitative design research (human-centered research focused on creating new services, experiences and products) and co-design processes (designing solutions with users, rather than for users). Students learn course competencies primarily through applied, collaborative, semester-long projects. Six contact hour per week.

ART-226 (Required, Previous). | ART-229 (Required, Previous).

**ART-343            Design for Print Media 3.00-**

Advanced study and application of systems, principles, and procedures underlying the practice of graphic design as related to print based applications. Emphasis is placed on audience research, creative concept development, iterative design processes, product prototyping, production/craft, and presentation skills leading to appropriately designed experiences for targeted audiences. Six contact hours per week.

ART-226 (Required, Previous). | ART-229 (Required, Previous).

**ART-349            History, Theory, and Practice in Graphic Design            3.00-**

This studio course examines the emergence of the graphic design profession from the 19th century to present day. This examination includes how significant social, political, economic, and technological milestones have shaped and evolved the graphic design profession to where it is today. Students will study major ideas, schools, design movements, and design practitioners through readings, written and visual analyses, and studio projects. Six contact hours per week.

ART-226 (Required, Previous). | ART-229 (Required, Previous).

**ART-355            Photography II 3.00-**

Students will further develop their technical and creative skills toward more personal conceptual image-making. Through everyday studio practice students will advance their knowledge of light/color and composition to create powerful images that tell stories, illustrate ideas and seduce (marketing/advertising). Digital image capture Digital SLR Camera with interchangeable lenses required. Six contact hours per week

ART-255 (Required, Previous).

**ART-365            Methods in Photography I            3.00-**

This course teaches students to see the world in black & white, while learning proper exposure methods

for the film being used. Students will also learn film processing and printing the images in a “wet” darkroom. All image capture will be analog. Note: School provides all chemicals and first roll of film. Students required to purchase film and photographic paper as needed throughout the semester. Six contact hours a week.

ART-255 (Required, Previous).

**ART-366            Methods in Photography II (alternative Analog Processes)            3.00-**

This advanced course introduces students to a slower, more thoughtful analog approach to making images, using film and gelatin silver paper. Students will explore a variety of camera formats, substrates, and experimental darkroom techniques. Six hours of contact time per week.

ART-255 (Required, Previous).

**ART-371            Introduction to Art Therapy            3.00-**

A survey of art therapy techniques, history, and case studies. One hour lecture, six hours contact per week. Cross-listed as PSY-371.

PSY-230 (Required, Previous).

**ART-375            Documentary Photography            3.00-**

Students will study images created by photographers for government, news, magazine, and other media outlets from 1930 to present day. Students will research documentary ideas and create visual narratives in both long essay and short story form for print or web-based publications. Digital single lens reflex camera with interchangeable lenses required. Six hours of contact time per week. (At Discretion of Department)

ART-255 (Required, Previous).

**ART-380            Special Topics in Art            3.00-**

Selected topics deemed important by the department to the advancing student in art. May be repeated for credit if topics vary. Studio fee required when department space and equipment utilized. Depending on the course, student may enroll for two to three credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ART-381            Special Topics: Indianapolis Art Center 1.00-2.00**

These select courses are held at the Indianapolis Art Center and are available for college activity credit. For more information, contact the Department of Visual Art, the Office of the Registrar, or the Indianapolis Art Center. Studio fee required. Depending on the course, student may enroll for one to two credits.

**ART-429            Design for Digital Media            3.00-**

Advanced study and application of systems, principles, and procedures underlying the practice of graphic design as related to digitally based applications. How the designer plays a critical role in defining user experience is explored throughout the research, creative, design, and production processes. Six contact hours per week.

ART-226 (Required, Previous). | ART-229 (Required, Previous).

**ART-460      Art and Design Internship      3.00-6.00**

The internship in art and design permits students to earn academic credit for professional work that deals with their major and prepares the student for graduate school and/or professional practice. Field experience is contracted between the student and the cooperating establishment with approval of the department liaison. Students are evaluated by their on-the-job supervisor and monitoring faculty member. Students may enroll for three to six credits. Expectations: 60 work hours during the semester is required for each credit to be earned, weekly journal, visual documentation, written and oral report at the conclusion of the field experience. Graded S/U.

**ART-461      Art Therapy Internship 1.00-3.00**

The art therapy internship permits students to earn academic credit for professional work experience and prepares them for graduate school. Field experience is contracted between the student and the cooperating establishment with the approval of the department liaison. The contract includes goals, procedures, credit assignment, supervision and evaluation criteria. Students are evaluated by their on-the-job supervisor and monitoring faculty member. Students may enroll for one to three credits. Expectations: 60 work hours during the semester is required for each credit to be earned, weekly journal, written and oral report at the conclusion of the field experience. Graded S/U.

**ART-480      Special Topics in Art      2.00-3.00**

Selected topics deemed important by the department to the advancing student in art. May be repeated for credit if topics vary. Depending on the course, student will enroll for two or three credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ART-490      Senior Studio Seminar 1.00-**

A departmental seminar for majors in graphic design and studio arts. Visual arts and its relationship to the general education senior topic and assigned readings are discussed. Students are required to participate in a class project and to attend all required convocations.  
Senior Class Standing (94 credits) (Required, Previous).

**ART-491      Portfolio Preparation and Professional Practices      2.00-**

Professional practice and portfolio preparation for studio art and graphic design students. Students are mentored toward entry into professional practice or admittance to graduate school through hands-on experiences and preparation of the following products: studio projects proposal writing; artist/designer and exhibition statements; resumé and application letter writing; and final senior portfolio development. Emphasis is placed on articulating a personal mission and vision for a sustained vocation in the visual arts. Four contact hours per week.

**ART-499      Independent Study      1.00-3.00**

Advanced work in any graphic design or studio art subject, including a planned program while engaged in foreign travel. Studio fee is assessed when department space and equipment are utilized. Student may enroll for one to three credits.

**BEH-663 Child Development & Behavior Analysis 3.00-**

This course analyzes child development; include physical, social-emotional, and cognitive development. This course teaches students how to determine gaps in all areas of child development. Students will then create a skill development plan rooted in behavior analytic techniques to address the lacking skill(s).

SPD-650 (Required, Previous). | SPD-652 (Required, Previous). | SPD-654 (Required, Previous). | SPD-656 (Required, Previous). | SPD-658 (Required, Previous). | SPD-660 (Required, Previous). | SPD-662 (Required, Previous).

**BEH-665 Behavior Analysis and Exceptionalities 3.00-**

During this course students will critique the characteristics of multiple exceptionalities and the impact each disability can have on an individual. Students will identify skill deficits that correlate to the exceptionality and complete assessments to determine the individual's needs. Students will learn how to create a behavior analytic intervention plan to support the individual.

SPD-650 (Required, Previous). | SPD-652 (Required, Previous). | SPD-654 (Required, Previous). | SPD-656 (Required, Previous). | SPD-658 (Required, Previous). | SPD-660 (Required, Previous). | SPD-662 (Required, Previous). | BEH-663 (Required, Concurrent).

**BEH-671 Advan Behav Assessment and Consultation 3.00-**

This course extends upon the knowledge and skills learned in 654 and provides students an opportunity to assess and consult at the next level. During this course students will analyze and complete 6 case studies, observations, and a Functional Behavior Assessment. This course also provides students with the opportunity to analyze the consultation role of a behavior analyst in multiple settings.

SPD-650 (Required, Previous). | SPD-652 (Required, Previous). | SPD-654 (Required, Previous). | SPD-656 (Required, Previous). | SPD-658 (Required, Previous). | SPD-660 (Required, Previous). | SPD-662 (Required, Previous). | BEH-663 (Required, Concurrent).

**BIO-151 General Biology 4.00-**

As an introduction to the study of biological sciences, this course includes an investigation of the basic principles of the study of life including: the scientific process, macromolecules, cell structure and function, genetics, evolution, and ecology. Not recommended for students intending to major in biology. Three lecture hours and three lab hours per week. This course satisfies the general education requirement in the scientific knowledge category.

BIO-151L (Required, Concurrent).

**BIO-151L General Biology Lab -**

BIO-151 lab

BIO-151 (Required, Concurrent).

**BIO-180 Special Topics in Biology 1.00-4.00**

Special topics in biology as deemed necessary by needs of students. The course may include extensive field trips, lab opportunities, or special classes on important topics in biology. May be enrolled for one to four credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BIO-198            Introductory Research 1.00-3.00**

Under the direction and approval of a faculty sponsor, students will learn and implement the basic processes of research. With faculty supervision, students will perform elements of a research project: perform relevant literature reviews, create a valid experiment/research design, submit a proposal, execute an experiment/research design, gather and analyze data, report the results in a written manuscript and by a formal presentation. The faculty and student will negotiate the expectations of the project, paperwork, research, experiment/research design, time commitment and presentation of results as appropriate based on the credit value of the course. Three laboratory hours per week are expected per credit hour. This enhancement course may be repeated up to a total of six credits.

**BIO-202            Evolution and Ecology 4.00-**

This course examines the relationship between organisms and their environment at the organismal, population, community, and ecosystem levels. It also explores the biological underpinnings of evolutionary theory, including mechanisms of evolution, speciation, phylogeny reconstruction, and evidence. Three lecture hours and three lab hours per week.

**BIO-202L           Evolution and Ecology Lab        -**

BIO-202 lab

BIO-202 (Required, Concurrent).

**BIO-203            Molecular Genetics    4.00-**

This course presents the basic principles of molecular genetics describing the role of DNA in appearance, behavior, and disease state. In this course, students will examine inheritance through a Mendelian perspective and more complex forms of inheritance. Three lecture hours and three lab hours per week. CHE-140 and CHE-141L (Required, Previous).

**BIO-203L           Molecular Genetics Lab        -**

BIO-203 lab

BIO-203 (Required, Concurrent).

**BIO-204            Cell Biology        4.00-**

As a comprehensive survey course, this course emphasizes the cellular, subcellular, and molecular components of eukaryotes, with close attention to the structure-function relationships that govern cellular processes at the molecular level. Topics include, but are not limited to, cellular macromolecules, bioenergetics, membrane structure and function, cell transport mechanisms, structure and function of organelles, cellular metabolism, signal transduction, cellular interaction and communication, and cell movement. The development and improvement of critical thinking practices and proficiency in scientific reading and writing will be emphasized throughout the course. Three lecture hours and three lab hours per week.

CHE-152 or CHE-142 (Required, Previous).

**BIO-204L           Cell Biology Lab        -**

BIO-204 lab

BIO-204 (Required, Concurrent).

**BIO-205            Experimental Design and Statistical Analysis for Biologists            4.00-**

An introductory course in experimental design and data analysis intended to encourage an understanding and appreciation of the role of experimentation, hypothesis testing, and data analysis in biology. The course will emphasize principles of experimental design, methods of data collection, descriptive and inferential statistics, and the use of graphical and statistical tools commonly used by biologists to analyze data. Three hours lecture and two hours recitation each week. This course satisfies the general education standards for foundational intellectual skills in quantitative reasoning. This course satisfies the writing intensive requirement in the student's major for biology and CLS majors. MAT-140 or placement into MAT-215 or higher (Required, Previous).

**BIO-205L            Experimental Design & Stat Analysis for Biologists Lab -**

BIO-205 lab

BIO-205 (Required, Concurrent).

**BIO-214            Microbiology            4.00-**

This course provides students with a working knowledge of generally beneficial, and occasionally harmful microbes (bacteria, fungi, protozoa, algae, helminths and viruses) living in an invisible world around us. Topics will include microbial structure and function; metabolism and growth; physical and chemical agents for disruption and control of microbial growth and coverage of disease with immune response to infection.

**BIO-214L            Microbiology Lab            -**

BIO-214 lab

BIO-214 (Required, Concurrent).

**BIO-216            Medical Terminology            3.00-**

The course consists of a series of modules designed to illuminate the principles behind the construction of medical terms and their usage in regard to body systems. The course will emphasize the prefixes, suffixes and word roots utilized in the medical arena. Whether students use this course as a foundation for a career in many different health-related fields, such as medicine, nursing, physical therapy, pharmacy, dentistry, etc., or if students want to carry on an informed conversation with their healthcare provider, this course will help students to analyze and understand a multitude of medical terms as they are encountered.

**BIO-223            Human Anatomy & Physiology I            4.00-**

Students will be able to learn human cellular anatomy and introductory physiology emphasizing identification and functionality of four main human body systems (integumentary; skeletal; muscular; nervous) through lecture assignments, examinations, class projects, and laboratory exercises in gross anatomy, histology, and physiology. Students will be able to learn steps of the scientific method (observation; hypothesis; materials & methods; data; conclusions & discussion) and research current anatomy and physiology findings via peer-reviewed scientific sources for application into at least six individually-composed laboratory reports emphasizing critical thinking and anatomy themes.



**BIO-224          Human Anatomy & Physiology II          4.00-**

Students will be able to learn human cellular anatomy and introductory physiology emphasizing structure and functionality of five main human body systems (cardiovascular/lymphatic; respiratory; digestive/excretory; endocrine; reproductive) through lecture assignments, examinations, class projects, and laboratory exercises in gross anatomy, histology, and physiology. Students will be able to learn steps of the scientific method (observation; hypothesis; materials & methods; data; conclusions & discussion) and research current anatomy and physiology findings via peer-reviewed scientific sources for application into at least six individually-composed laboratory reports emphasizing critical thinking and anatomy themes.

BIO-223 with minimum grade of "C" (Required, Previous).

**BIO-225          Human Anatomy          5.00-**

The content of this course will provide a full description of all the essential aspects of human anatomy. This course is designed to provide all the essential anatomical content required for anyone going forward into a health profession. Four lecture hours and two laboratory hours per week.

**BIO-225L          Human Anatomy Lab          -**

BIO-225 lab

BIO-225 (Required, Concurrent).

**BIO-226          General Human Physiology          5.00-**

The content of this course will provide a full description of all the essential aspects of human physiology. This course is designed to provide all the essential physiological content required for anyone going forward into a health profession. Four lecture hours and three laboratory hours per week.

BIO-225 (Recommended, Previous). | CHE-100 (Recommended, Previous).

**BIO-226L          General Human Physiology Lab          -**

BIO-226 lab

BIO-226 (Required, Concurrent).

**BIO-228          Marine Biology 4.00-**

This course explores the significant impact oceans have on climate, agriculture, transportation, food supplies, recreational opportunities, economics, and politics. Emphasis in this course will be placed on an understanding of the physical, chemical, biological, and geographical factors of the marine environment that impact our lives. Three lecture hours and two lab hours per week.

BIO-151 or BIO-202 (Required, Previous).

**BIO-228L          Marine Biology Lab          -**

BIO-228 lab

BIO-228 (Required, Concurrent).

**BIO-265L          Geographic Information Systems Lab          -**

BIO-265 lab

BIO-265 (Required, Concurrent).

**BIO-280          Special Topics Lab          1.00-4.00**

Special topics in biology as deemed necessary by needs of students. The course may include extensive

field trips, lab opportunities, or special classes on important topics in biology. May be offered for one to four credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BIO-291            Biology Career Seminar            1.00-**

A venue for the presentation of current biological, medical, and environmental career options. The emphasis is on facilitating career pursuits and exposing students to a myriad of post-graduate opportunities early in their career paths. Career planning, preparation and evaluation of appropriate documentation (e.g., resume, c.v., cover letter, thank you letter, etc.), interviewing techniques, and the presentation of one's self in a professional and qualified manner are discussed.

**BIO-301            Introduction to Epidemiology    3.00-**

See PBH-301.

**BIO-305            Neurobiology    3.00-**

Neurobiology will provide an overview of the fundamental principles of neuronal function, how neurons change and adapt, and how neurons are wired. Concepts discussed will range from the molecular biology of neuronal proteins, neuronal action potentials and ion channel physiology, signal propagation, synaptic function, neuronal networks and behavior. This course will use primary and secondary text to apply your critical thinking and analysis to reading scientific work.

BIO-204 OR BIO-226 OR PSY-350 (Required, Previous).

**BIO-310            Biochemistry    3.00-**

See CHE-310.

BIO-204 (Required, Previous). | CHE-305 (Required, Previous).

**BIO-310L          Biochemistry Lab            -**

BIO-310 lab

**BIO-311            Biochemistry I    4.00-**

See CHE-311.

BIO-204 (Required, Previous). | CHE-306 (Required, Previous).

**BIO-311L          Biochemistry I Lab            -**

BIO-311 lab

BIO-311 (Required, Concurrent).

**BIO-312            Biochemistry II    4.00-**

see CHE-312

CHE-311 (Required, Previous).

**BIO-312L          Biochemistry II Lab            -**

BIO-312 lab

BIO-312 (Required, Concurrent).

**BIO-320          Advanced Ecology          4.00-**

A study of the relationships between organisms and their environment at the organismal, population, community and ecosystem levels. Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous).

**BIO-320L          Advanced Ecology and Evolution Lab          -**

BIO-320 lab

**BIO-321          Conservation Biology Law          3.00-**

This course will examine the causes and consequences of species extinction, and will evaluate strategies to ameliorate species loss, restore habitat, and preserve natural areas and resources. The primary focus of the course will be on the biological mechanisms involved, although material from the fields of ethics, economics, and the social and political sciences will be touched on at times. Three lecture hours per week.

BIO-202 (Required, Previous).

**BIO-323          Ornithology          4.00-**

An examination of the evolutionary history, ecology, and behavior of birds. The lab consists mainly of field identification of species found in Indiana. Two lecture hours and four lab hours per week. Lab fee required.

BIO-202 (Required, Previous).

**BIO-323L          Ornithology Lab          -**

BIO-323 lab

BIO-323 (Required, Concurrent).

**BIO-327          Behavioral Ecology          4.00-**

Behavioral ecologists seek to understand how the behavior of animals affects their survival and reproductive success. In this course, we will delve into aggression, communication, sexual, mating and other behaviors from an evolutionary perspective and explore the theological implications of doing so. Three lecture hours and three lab hours per week.

BIO-151 or BIO-202 (Required, Previous).

**BIO-327L          Behavioral Ecology Lab-**

BIO-327 lab

**BIO-329          Plant Biology          4.00-**

Land plants are studied in this course in an evolutionary sequence. The anatomy, morphology, and, where appropriate, physiology, of land plants is discussed, using present day groups to reconstruct the evolution of plants. As each group is introduced, the probable selective advantage for characteristics unique to that group are discussed. Three hours of lecture and one three-hour laboratory per week.

BIO-202 (Required, Previous).

**BIO-329L          Plant Biology Lab          -**

BIO-329 lab.

BIO-329 (Required, Concurrent).

**BIO-330          Histology          4.00-**

The microscopic and ultramicroscopic investigation of tissues, including identification of tissues using light microscopy and the study of ultrastructure using electron micrographs. Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous). | BIO-203 (Required, Previous). | BIO-204 (Required, Previous). | BIO-205 (Required, Previous).

**BIO-330L          Histology Lab          -**

HIS-330 lab

**BIO-334          Human Medical Physiology          5.00-**

The content of this course will provide a full description of all the essential aspects of human physiology. The depth of this course is designed to prepare students for the integrative physiology normally presented in veterinary, dental, or medical schools, or graduate programs in physiology. Five lecture hours per week.

BIO-204 (Required, Previous).

**BIO-334L          Human Medical Physiology Lab          -**

BIO-334 lab

BIO-334 (Required, Concurrent).

**BIO-340          Advanced Microbiology          4.00-**

Advanced microbiology is designed to introduce upper level undergraduate and graduate students to current status and advancements in the field of health microbiology. A problem based learning (PBL) approach will be applied to allow students to research, think critically, and solve problems from both medical biology and medical biotechnology.

BIO-203 or BIO-214 (Required, Previous).

**BIO-340L          Advanced Microbiology Lab          -**

BIO-340 lab

BIO-340 (Required, Concurrent).

**BIO-345          Immunology          3.00-**

A study of the vertebrate immune system and its relationship to disease and disease resistance. Three lecture hours per week.

BIO-203 (Required, Previous). | BIO-204 (Required, Previous).

**BIO-346L          Immunology Lab          2.00-**

This laboratory course will integrate the principles of cell biology and immunology. Techniques employed include, but are not limited to cell culture techniques, PCR and applications, ELISAs, and microscopy. The course is designed for students interested in molecular methods and who aim to do research or gain jobs in fields of cell and molecular biology, microbiology, medicine and medical technology. Three lab hours per week.

**BIO-350          Developmental Biology          4.00-**

A study of the development in higher organisms, including molecular processes and morphogenesis.

Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous). | BIO-203 (Required, Previous). | BIO-204 (Required, Previous). | BIO-205 (Required, Previous).

**BIO-350L      Developmental Biology Lab      -**

BIO-350 lab

BIO-350 (Required, Concurrent).

**BIO-351      Kinesiology      3.00-**

See ESS-351.

ESS-120 and ESS-265 or BIO-225 (Required, Previous).

**BIO-351L      Kinesiology Lab      -**

See ESS-351L.

BIO-351 (Required, Concurrent).

**BIO-352      Physiology of Exercise      2.00-**

See ESS-352.

ESS-120 (Required, Previous). | BIO-151 BIO-226 or BIO-334 (Required, Previous).

**BIO-352L      Physiology of Exercise Lab      1.00-**

BIO-352 lab

BIO-352 (Required, Concurrent).

**BIO-355      Environmental Science Methods      4.00-**

Students learn basic methods and techniques in environmental science and the environmental laws and regulations that underlie those methods. Students will gain experience doing important biological assessments and indices, wetland delineation and permitting, NEPA environmental assessment, and other environmental science techniques. Three hours lecture and three hours lab each week.

BIO-202 (Required, Previous).

**BIO-360      Junior Internship      1.00-3.00**

BIO 352 LAB

**BIO-361      Introductory Field Biology I      1.00-3.00**

A beginning off-campus field experience in biology. Students will travel to a location and learn the biology of that location in-depth. Students will enroll in from 1-3 credits based on the length of this field experience.

BIO-202 (Required, Previous).

**BIO-362      Introductory Field Biology II      1.00-3.00**

A continuation of 361, but in another location. Students will enroll in from 1 -3 credits based on the length of this field experience.

BIO-202 (Required, Previous).

**BIO-365      Geographic Information Systems      4.00-**

This course will explore the use of geographic information systems to map and analyze spatial data. A wide range of GIS applications not limited to biology will be discussed. Three lecture hours and three

hours laboratory per week.

**BIO-370 Evolution 3.00-**

This course examines the biological underpinnings of evolutionary theory, including mechanisms of evolution, speciation, phylogeny reconstruction, and evidences. It then explores the effect of Darwin's theory on a wide range of disciplines, including language, art, literature, history, theology, political science, and sociology. Three lecture hours per week.

BIO-202 (Required, Previous).

**BIO-373 Zoology 4.00-**

This course examines the basic principles of zoology, including animal structure and function, evolution, behavior, and development. Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous).

**BIO-373L Zoology Lab -**

BIO-373 lab

BIO-373 (Required, Concurrent).

**BIO-380 Special Topics in Biology 1.00-4.00**

Special topics in biology as deemed necessary by needs of students. The course may include extensive field trips, lab opportunities, or special classes on important topics in biology. May be offered for one to four credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BIO-398 Directed Guided Research 1.00-4.00**

Under the guidance of a faculty sponsor, students identify a research topic, perform a literature review, create a research design, gather and analyze data, and report their findings with an APA-style manuscript and formal presentation. Papers deemed to be of sufficient quality by the faculty sponsor may be presented at a regional research conference.

**BIO-410 Cell Physiology 4.00-**

A study of molecular and cellular biology with emphasis on the molecular bases of cellular metabolism, membrane phenomena, internal and trans-nuclear cellular communication, and structure-function relationships. The depth of this course is designed to prepare students for the integrative physiology normally presented in professional or graduate programs in the health and life sciences.. Two lecture hours and six lab hours per week.

BIO-203 (Required, Previous). | BIO-204 (Required, Previous). | BIO-205 (Required, Previous). | CHE-311 (Recommended, Previous). | CHE-312 (Recommended, Previous).

**BIO-410L Cell Physiology Lab -**

BIO-410 lab

BIO-410 (Required, Concurrent).

**BIO-411 Biochemistry and Metabolism 4.00-**

See ESS-411.

CHE-151, CHE-152, CHE-305, OR CHE-306. (Required, Previous). | BIO-203, BIO-204L, ESS-352, ESS-375, PHY-110, and PHY-111L. (Recommended, Previous).

**BIO-412L      Biochemistry and Metabolism Lab      2.00-**

See ESS-412L.

BIO-411 (Required, Concurrent).

**BIO-415      Genomics and Advanced Genetics      3.00-**

This course presents the current ideas in genetics by using primary literature to discuss topics that include but are not limited to cancer, epigenetics, micro-RNA, pharmacogenetics, and gene expression. In particular, this course will focus on genomics and its impact in society. Three lecture hours per week. BIO-203 (Required, Previous).

**BIO-415L      Genomics and Advanced Genetics Lab -**

BIO-415 lab

BIO-415 (Required, Concurrent).

**BIO-434      Advanced Physiology of Exercise      3.00-**

See ESS-434.

BIO-226 or BIO-334 (Required, Previous). | BIO-310 or BIO-311 (Required, Previous). | ESS-352 (Recommended, Previous or concurrent).

**BIO-434L      Advanced Physiology of Exercise Lab -**

BIO-434 lab

**BIO-440      Principles of Bioinformatics      4.00-**

This course presents the essential components of bioinformatics as a scientific discipline for the organization and analysis of DNA sequence data, development of homology models and docking studies to determine in silico receptor-ligand interactions. In this course, students will be provided with an overview of the scope of modern tools designed to solve practical problems in sequence data analysis and management, comparisons of available databases, and computational analysis tools relevant to biological research. Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous). | BIO-203 (Required, Previous). | BIO-204 (Required, Previous). | BIO-205 (Required, Previous). | CHE-305 (Required, Previous). | CHE-306 (Required, Previous).

**BIO-440L      Principles of Bioinformatics Lab      -**

BIO-440 lab

BIO-440 (Required, Concurrent).

**BIO-454      Bioassays      5.00-**

This course is designed to provide a platform to interpret, critically analyze, and execute expanded cell and molecular biology techniques. This course will explore the theoretical origins and biological principles that underlie common methodologies in research and expose students to practical learning opportunities in cell culture, western blotting, ELISA, and gene and protein cloning, expression, and analysis. In addition, students will develop basic research skills and expand written and oral scientific communication. Five hours of lecture and hands-on learning per week.

BIO-204 (Required, Previous). | BIO-205 (Required, Previous). | CHE-306 (Required, Previous).

**BIO-460 Internship in Biology 1.00-6.00**

The internship in biology permits students to earn academic credit for work or volunteer activity that deals with the biological sciences or prepares the student for graduate and/or professional school. The internship is designed to integrate classroom knowledge with practical work experience in the student's chosen area of study. Students are evaluated by their on-the-job supervisor and monitoring faculty member. Students also present both a written and oral summation of their experience. A minimum of four hours of actual work experience per week or 60 hours during the semester is required for each credit to be earned. Enrollment in the course is arranged after review and approval of the proposed internship by program faculty. This course may be repeated for an accumulated total of six credits.

**BIO-461 German Hospital Intern Undergraduate 1.00-**

Marian University, in partnership with the Agaplesion Diakonie Hospital in Rotenburg (Wümme), Germany is pleased to offer undergraduate students internship opportunities, shadowing physicians at the Agaplesion Clinic. Agaplesion Diakonie Hospital is a faith-based hospital and the teaching hospital of the University of Hamburg's Medical School in nearby Hamburg. The hospital, which has twenty-three specialized clinics and over 800 beds, is ranked as offering the highest level of care in Germany. Marian students have the opportunity to work in a variety of departments including Vascular and Endovascular Surgery and Radiology at the Agaplesion Diakonie Hospital.

**BIO-462 Environmental Education and Interpretation 2.00-**

Students will learn to interpret nature to a variety of audiences. The students will then apply the interpretive process to programs developed for the Nina Mason Pulliam EcoLab at Marian University. One lecture hour and three lab hours per week.  
BIO-202 (Required, Previous). | BIO-205 (Required, Previous).

**BIO-463 Restoration Ecology 4.00-**

This course examines the theory and practice of the environmental restoration of natural areas. Basic ecology is combined with horticultural techniques in order to re-establish native communities of plants and animals in a variety of sites. Students will develop a master plan for the restoration and use of a degraded site based on the interests of the property owner. Extensive work outside will be required in lab. Three hours lecture and three hours lab per week.  
BIO-202 (Required, Previous).

**BIO-463L Restoration Ecology Lab -**

BIO-463 lab  
BIO-463 (Required, Concurrent).

**BIO-470 Nutritional Biochemistry 3.00-**

See ESS-470  
CHE-305 (Required, Previous). | BIO-204 or ESS-120 (Required, Previous). | CHE-306 (Recommended, Previous or concurrent). | BIO-310 or BIO-311 (Recommended, Previous or concurrent). | ESS-352 or ESS-434 (Recommended, Previous or concurrent).

**BIO-472 Invertebrate Biology 4.00-**

This course is designed to present students with the diversity of invertebrate life with an emphasis on



the developmental biology of invertebrates, their major body plans, evolutionary interrelationships, and ecology. The overlying themes of the presentations will be the structure and function of each system, and to the placement of topics into a framework of evolutionary adaptive significance. Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous).

**BIO-474          Vertebrate Biology          4.00-**

This course is designed to familiarize students with morphological and anatomical features of vertebrate animals from a comparative evolutionary perspective. The morphological and anatomical forms of vertebrates will be examined in the context of their functional significance and evolutionary history. The course will cover both historical and modern views on comparative anatomy, the underlying biology of tissue-organ systems, and evolutionary perspectives on the origin, maintenance, and diversification of form among the vertebrates. Three lecture hours and three lab hours per week.

BIO-202 (Required, Previous).

**BIO-474L          Vertebrate Biology Lab-**

BIO-474 lab

BIO-474 (Required, Previous).

**BIO-480          Special Topics in Biology          1.00-4.00**

Special topics in biology as deemed necessary by needs of students. The course may include extensive field trips, lab opportunities, or special classes on important topics in biology. May be offered for one to four credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BIO-490          Biology Seminar          1.00-**

The Senior Seminar addresses the university-wide general education senior theme and text for the year. The common senior experience includes discussion sessions, convocation presentations, and an assessment based upon general education goals. Attendances at convocations are required.

**BIO-491          Biology Capstone          1.00-**

During this course, students will complete their Senior Presentation, a multiple-draft paper written over the course of the semester accompanied by a 15 minute seminar on the paper's topic.

**BIO-498          Directed Senior Research          1.00-4.00**

Under the guidance of a faculty sponsor, students identify a research topic, perform a literature review, create a research design, gather and analyze data and report their findings with an APA-style manuscript and a formal presentation. Papers deemed to be of sufficient quality by the faculty sponsor may be presented at a regional research conference.

**BIO-499          Independent Study          1.00-4.00**

An independent investigation of a topic in biology. The student must obtain the approval of the program faculty to begin the project and must have a written report accepted by the program faculty to receive

credit at the completion of the project. May enroll for one to four credits.

**BIO-560 Internship in Biology 1.00-6.00**

The internship in biology permits students to earn academic credit for work or volunteer activity that deals with the biological sciences or prepares the student for graduate and/or professional school. The internship is designed to integrate classroom knowledge with practical work experience in the student's chosen area of study. Students are evaluated by their on-the-job supervisor and monitoring faculty member. Students also present both a written and oral summation of their experience. A minimum of four hours of actual work experience per week or 60 hours during the semester is required for each credit to be earned. Enrollment in the course is arranged after review and approval of the proposed internship by program faculty. This course may be repeated for an accumulated total of six credits.

**BIO-561 German Hospital Intern-Graduate 1.00-**

Marian University, in partnership with the Agaplesion Diakonie Hospital in Rotenburg (Wümme), Germany is pleased to offer graduate and medical students internship opportunities, shadowing physicians at the Agaplesion Clinic. Agaplesion Diakonie Hospital is a faith-based hospital and the teaching hospital of the University of Hamburg's Medical School in nearby Hamburg. The hospital, which has twenty-three specialized clinics and over 800 beds, is ranked as offering the highest level of care in Germany. Marian students have the opportunity to work in a variety of departments including Vascular and Endovascular Surgery and Radiology at the Agaplesion Diakonie Hospital.

**BMS-501 Biomedical Science Seminar 1.00-**

This course gives students exposure to presentation styles and current research topics in biomedical sciences. Students may be expected to discuss seminar topics and/or write objective reviews of seminars. This course may be taken twice for up to a total of 2 credits. Graded S/U.

**BMS-511 Biostats & Statis Analysis 3.00-**

This course offers a comprehensive introduction to statistical practices relevant to biomedical and clinical research including the development of experimental questions and approaches to data collection. The course also provides an overview of statistical analysis including basic statistical concepts to selection of appropriate statistical methodology using examples from health care and research, emphasizing the relationship between statistics and medical research.

**BMS-512 Epidemiology and Public Hlth 3.00-**

This Epidemiology and Public Health course will introduce students to basic content and skills from the public health related disciplines of epidemiology, environmental health sciences, social and behavioral sciences, and health policy and management. Concepts that will be covered include: historical foundations of epidemiologic research, measures of disease frequency, standardization, study design, measures of effect, screening, and causality. Students will practice application of the core content and skills in case based exercises and scenarios.

**BMS-515 Introduction to the Us Healthcare System 3.00-**

The purpose of this course is to introduce you to the healthcare system in the United States. From relevant legal concepts to ethical dilemmas, we will explore a topics and issues that you are likely to encounter while engaging with a health care organization. Students will learn about core legal concepts in the field of medicine, including but not limited to, the role of law in health care, types of laws and their origins, and liability. Also included within the course are topics of ethics, access to care, practice management and system performance.

**BMS-520 Research Methods and Design 3.00-**

This courses covers common techniques and instrumentation involved in biomedical research. The theory and application of these topics will be covered in-depth and the student will be expected to have a detailed understanding of these aspects. This course will also cover the design and development of research strategy and the use of appropriate model systems and subject groups in human and animal research.

**BMS-521 Anatomy, Histology and Embryology I 3.00-**

A course in the identification of anatomical and histological structures and their relationship with function in humans from embryological stages through adulthood. The course will also cover bio-medically relevant techniques in the fields of anatomy, histology and embryology.

**BMS-522 Human Anatomy, Histology and Embryology 3.00-**

A continuation of BMS-521.

**BMS-531 Medical Biochemistry 3.00-**

A course in human biochemistry with a focus on the biochemical basis of normal and pathological states. The physical and chemical properties of major classes of biological molecules will be discussed as well as the role of these molecules in the pathology of various disease states. Special consideration will be given to the metabolic basis of health and disease. This course will also present an introduction to nutritional biochemistry. This course is open to undergraduate enrollment with permission of instructor.

**BMS-532 Molecular Biology and Genetics 3.00-**

A course designed to provide students with a detailed understanding of the fundamental molecular aspects of eukaryotic cellular function. This will include such topics as transcription, translation, DNA replication and repair as well as cell cycle control and apoptosis. The course will also cover fundamental mechanisms of inheritance, the role that mutations play in evolution and disease, the structure and function of chromosomes and genomics.

**BMS-533 Nutritional Biochemistry 3.00-**

A course in the biochemical aspects of nutrition, including the digestion and absorption of various classes of metabolites, vitamins and minerals, and coverage of various nutritional disorders caused by

genetic abnormalities and dietary deficiency/excess.

**BMS-540      Medical Microbiology      3.00-**

This course provides a detailed study of bacteria, viruses and related microorganisms. Specific emphasis is placed on microbial metabolism, genetics, and research involving microbes, the role of microbes in the global society, infectious diseases, and their linkage to the immune system.

**BMS-541      Lab for Medical and Applied Microbiology      1.00-**

This hands-on course provides a comprehensive introduction to the tools and techniques that underlie clinical microbiology and the research and development activities employed in developing diagnostic and therapeutic technologies.

**BMS-545      Immunology      3.00-**

This course provides a detailed study of the vertebrate immune system and its relationship to disease and disease resistance.

**BMS-551      Medical Physiology and Pharmacology I      3.00-**

This course covers medical physiology of four major organ systems and the main pharmacological interventions targeting those respective organs. Pathophysiology and pharmacology will be covered to emphasize the clinical importance and mechanisms of action. The course work will provide students with the knowledge and skills to: understand the physiology and pathophysiology of four major organ systems, comprehend the pharmacotherapies related to the organs covered, analyze the relationship between pharmacologic agents and physiologic/pathologic responses and understand the pharmacokinetics and pharmacodynamics of the drugs covered. Some aspects of anatomy will also be provided to allow for a better understanding of the relationship between structure and function. This course is open to undergraduate enrollment with permission of instructor.

**BMS-552      Medical Physiology and Pharmacology II      3.00-**

This course is focused on the underlying principles of pharmacology, and the mechanisms of drug action in the human body. Topics include general principles of drug action (pharmacokinetics, pharmacodynamics, and toxicology), a clear understanding of receptor mechanism, and a presentation of drugs in each of the major classes of therapeutic action. We will closely examine; sites of action, metabolic pathways, and the structure activity relationships within drug classes. This course offers a foundation in basic pharmacology for students in medicine, research, pharmacy, or other allied health care fields. This course is open to undergraduate enrollment with permission of instructor.

**BMS-580      Special Topics in BMS      1.00-3.00**

Topic varies. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BMS-581 Special Topics in Biomedical Sciences 3.00-**

This course is a guided study designed to prepare the student for further research in a biomedical topic relevant to an area of expertise of their research advisor. Enrollment by consent of instructor. Graded S/U.

**BMS-585 Capstone in Biomedical Sciences 3.00-6.00**

The Capstone Project for the Capstone Track of the Masters of Science in Biomedical Sciences. Under the guidance of a Capstone Mentor, the student will complete a project that illustrates a level of understanding of a biomedical concept appropriate for a graduate student.

**BMS-599 Thesis Research in Biomedical Sciences 1.00-9.00**

Guided research in a biomedical laboratory setting under the direction of the research advisor towards the production of an MS thesis. This course may be repeated for up to 23 credits.

**BUS-100 Moral Capitalism 3.00-**

This course explores the evolution of capitalism and its political, ethical, and cultural impacts on society. Insight from Catholic and Franciscan Intellectual Traditions provides a framework to examine capitalism's moral, social, and ethical responsibilities to society. Other systems of economic organization are contrasted with Capitalism. The course includes a leadership lab with 12 leaders per semester invited to share their views on course topics.

**BUS-101 Introduction to Business 3.00-**

A survey of the field of business. Students acquire an understanding of and appreciation for business functions and career opportunities. All major aspects of business activity are covered.

**BUS-109 Business Plan Competition 9.00-**

This course provides students with an integrated, collaborative and experiential introduction to business in which students collaboratively complete a substantial business project that draws upon the specific theories, tools, methods and knowledge acquired in accounting, economics, and business. Students completing this course will begin to acquire: (1) an understanding of and appreciation for business functions and career opportunities, and (2) the specialized and intellectual skills of the accountant, economist, and business manager. This course partially satisfies the general education requirement in the individual and social understanding category.

**BUS-180 Special Topics in Business 1.00-4.00**

Selected topics of interest in the field of business. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BUS-200 Careers in Business: Research and Internships 2.00-**

This course is designed to help students explore careers in business and prepare for their required

internship in business. Students build a resume and become acquainted with various features of KnightWork and social media that facilitate the job search process. The course concludes with a professionally administered mock interview.

BUS-109 (Required, Previous).

**BUS-201 Business Plan Implementation 1.00-6.00**

This course is offered to students whose BUS 109 business plan was recognized as the best business plan by a panel of business executives. As winners of a prior semester's BUS 109 business plan competition, students are awarded seed money to open their business on campus. Students manage all aspects of the business. Credits determined by instructor. May count for elective business experience. Graded S/U.

BUS-109 (Required, Previous).

**BUS-205 Business Statistics 3.00-**

A study of the basic concepts and methods of statistics, including descriptive statistics, probability, sampling theory and practice, hypothesis testing, and correlation. Computers are introduced as tools of analysis. A basic statistics course for students from fields in which statistics find application. This course partially satisfies the general education requirement in the scientific and quantitative reasoning category.

MAT-095 or Placement (Required, Previous).

**BUS-209 Quantitative Analysis of Business 9.00-**

This course utilizes an integrative, collaborative and experiential approach to engage students in the quantitative analysis of business problems. Students are required to complete a substantial business analysis project that draws upon the specific theories, tools, methods and knowledge acquired in principles of management, principles of marketing, and statistical methods. Students completing the course will acquire: (1) an understanding of and appreciation for a quantitative approach to problem solving, and (2) the analytical skills necessary to tackle contemporary problems in business. This course partially satisfies the general education requirement in the scientific and quantitative understanding category.

BUS-109 (Required, Previous). | Sophomore class standing (30 credits) (Required, Previous). | Placement into general education math (Required, Previous).

**BUS-260 Business Practicum 1.00-3.00**

Students work in supervised public or private industry positions related to business applications. Practica are expected to be entry-level positions which give students an introduction to administrative business practices and policies. Placements may or may not be paid positions. Students are evaluated both by their supervisor on the job and by means of a paper submitted as an end-of-course project to the monitoring faculty. A minimum of 60 hours of actual work experience is required for each credit earned. May enroll for one to three credits. Graded S/U.

**BUS-280 Special Topics in Business 1.00-4.00**

Selected topics of interest in the field of business. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BUS-290 Business Career Seminar 3.00-**

This course develops students abilities to successfully handle many of the challenges faced when approaching the job market either as job seekers or as prospective employers. Career planning, industry research, preparation and evaluation of appropriate documentation (resume, cover letter, thank you letter), and interviewing techniques are addressed. Peer coaching and evaluation are stressed.

**BUS-301 Business Law 3.00-**

A study of the legal relationships of various business entities and the nature of law and the court systems. Topics include constitutional law, torts, contracts, crimes, commercial law and sales, property, litigation, alternative dispute resolution, agency, partnerships, corporations, unfair competition, securities regulation, antitrust and international law. This course is only offered in the MAP program.

**BUS-309 Comprehensive Analysis of Business 9.00-**

This course utilizes an integrative, collaborative and experiential approach to engage students in comprehensive analyses of business problems. This course builds on BUS 109 and BUS 209 through the analysis of live problems and issues provided by businesses that partner with the Byrum School. A team of three instructors deliver course content related to the specific theories, tools, methods and knowledge from finance, law, strategic management and previous coursework. Students completing this course will acquire (1) an understanding of and appreciation for actual business problems and issues, and (2) the ability to assess and solve problems that involve strategic interaction within and among competing firms.

BUS-205 (Required, Previous). | MKT-240 (Required, Previous). | MGT-250 (Required, Previous).

**BUS-313 Fundraising Concepts and Best Practices 3.00-**

This course is built to give students a basic introduction of theories and concepts of fundraising. Topics of focus include: prospect research, donor and recipient relationships, roles of the staff and board in fundraising, feasibility studies, major donor solicitations, maintaining ongoing fundraising and donors, corporate and foundation fundraising, ethics, and special campaigns. This course is only offered in the MAP program.

**BUS-321 Growing Trends 3.00-**

As recent studies have indicated, every nonprofit can benefit from leveraging the web for fundraising efforts. Technology is a vital tool that should be integrated into every fundraising initiative. This course will expose students to technology that can help lead to online fundraising success, including exposure to various fundraising software, channels and payment methods. In addition, students will explore the role technology plays in creating and executing a development plan that is sustainable, professional, and cost-effective fundraising. Topics include defining technology as it relates to fundraising, strategic plans for technology, the role of websites in fundraising, online giving, donor management software, crowdsourcing and communication with technology. This course is only offered in the MAP program.

**BUS-327 Art of the Ask: Identifying, Engaging And Soliciting Donors 3.00-**

This course will provide perspectives from both highly successful fundraisers and philanthropist on how to identify, engage and solicit donations for your cause. First, students will learn how to identify the

right donor for your cause. Students will learn how to use cost-effective research tools, accessing free information, and evaluating a prospect's ability and inclination to give. Once funding prospects are identified, fundraisers need to understand how to solicit these individuals and/or organizations. Asking for a gift is both an art and a science. Without an understanding of the most effective methods of asking for financial support, no fundraiser responsible for soliciting gifts from individuals, corporations, or foundations can succeed. In this course, highly successful fundraisers will discuss their approaches to fundraising and strategies they implement when making their ask. In addition, philanthropist will be invited to report on how he or she reacts to a particular ask. This course is only offered in the MAP program.

**BUS-330 Leadership 3.00-**

A study of the theory and practice of leadership, the most current research trends and models, as well as the basic components of leadership. This course is only offered in the MAP program.  
BUS-209 or BUS-250 (Required, Previous).

**BUS-331 Corporate Social Responsibility 3.00-**

The world of Corporate Social Responsibility is evolving. Every day brings new philosophies, theories, best practices and metrics, and there is no singular 'right way' to practice this business model. This class will identify the primary frameworks for Corporate Social responsibility, then review news articles, resources and case studies in order to understand the reasons for CSR initiatives, identify potential challenges or opportunities, and determine efficacy of each program. After this program, each student will be able to understand the potential impacts of CSR on business, identify ways in which these initiatives may be applied in their day to day operations and find connection points between the corporate world and social programs. This course is only offered in the MAP program.

**BUS-345 Strategies of Meeting and Event Planning 3.00-**

This course will expose students to the strategies and desired skill sets that are required when coordinating meeting and event planning. This course will focus on conceptualizing, analyzing, and planning considerations of small and large scale community events and corporate and community meeting events. This course will also explore the requirements of event planning as a profession and focus on the core characteristics of a successful event and meeting planner in any given environment. This course is offered only in the MAP program.

**BUS-346 Marketing Management 3.00-**

An advanced marketing course that builds upon introductory marketing principles and concepts. The course addresses the analysis of marketing opportunities, the development of marketing strategies, the management of marketing programs, and the challenges confronted in international marketing. This course is only offered in the MAP program.  
BUS-209 or BUS-240 (Required, Previous).

**BUS-359 Logistics of Meeting and Event Planning 3.00-**

This course is built on the evaluation and analysis of a variety of case studies, which expose the different strategies most effective in meeting and event planning, from beginning stages to the end of event evaluation. Through this analysis and exposure, students will recognize problems, solutions and best



practices throughout the process of planning a meeting or an event. Students will identify problems and propose solutions in the case studies to anticipate necessary preventative measures to ensure a successful meeting or event. Students will be exposed to the consequences of a poorly planned meeting or event through case study analysis, as well as risk management and liability issues that may arise in the planning process of meeting and events, recognizing and understanding preventative and responsive measures to minimize damaged events and relationships. This course is offered only in the MAP program.

BUS-345 (Required, Previous or concurrent).

**BUS-360 Internship in Business 1.00-6.00**

Students work in supervised public or private industry positions related to their specific areas of study. Positions are expected to be at least at the managerial trainee level. Placements may or may not be paid positions. Students are evaluated by their supervisor. A reflection piece is submitted at the end of the internship. A minimum of 60 hours of actual work experience is required for each credit earned. The course may be repeated in subsequent semesters for an accumulated total of six credits. A second internship may count for elective business experience. Graded S/U.

BUS-200, MKT-240, MGT-250 and School of Business Permission (Required, Previous).

**BUS-364 Negotiations and Relationship Management 3.00-**

In this course, students will focus on learning and perfecting the skills associated with negotiation, contracting and safety assurance for a successful meeting/event occasion through the understanding of relationship building and relationship management concepts in the industry. Special attention will be given to branding, the building of brand connections and networking. The course will include a variety of panelists and guest speakers on contract negotiation, safety guidelines and the power of relationships. This course is offered only in the MAP program.

BUS-345 (Required, Previous). | BUS-359 (Required, Previous).

**BUS-365 Internship in Not for Profit Organization 1.00-3.00**

This internship experience is designed to give on-the-job educational experiences with not-for-profit organizations to qualified students majoring in the business department. Students work in supervised positions related to their specific areas of study. Positions are expected to be at least at the managerial trainee level. Placements may or may not be paid positions. Students are evaluated by their supervisor. A reflection piece is submitted at the end of the internship. A minimum of 60 hours of actual work experience is required for each credit earned. A second internship may count for elective business experience. Graded S/U.

BUS-200, MKT-240, MGT-250 and School of Business Permission (Required, Previous).

**BUS-369 Capstone: Technology, Promotion & Event Execution 3.00-**

This course will tie it all together and culminate in the execution of an event for the chosen program partner during the final week of the course. This course finalizes the required steps for effecting meeting/event planning. Students will also explore the many types of specific technology needs of all participants. Students will focus on managing the event in a manner that can be used as a marketing tool to promote the organization, covering advertising, promotions, sales, and consumer behavior and how to evaluate and predict consumer behavior in event planning strategies learned previously. This course is offered only in the MAP program.

BUS-364 (Required, Previous or concurrent).

**BUS-380 Special Topics in Business 1.00-3.00**

Selected topics of interest in the field of business. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BUS-400 Careers in Business: Job Search and Professional Development 1.00-**

A course designed to enhance rising seniors ability to successfully launch and manage the early stages of their career in business. Course emphasis builds upon and integrates career fundamentals, internship experiences, academic accomplishments, and personal achievements.

BUS-200 or BUS-290 (Required, Previous). | BUS-360 or BUS-365 (Required, Previous).

**BUS-401 Business Ethics 3.00-**

Integrates the general education theme and readings. Attendance at convocations required. This course deals with a study of the role of ethics, morality, and social responsibility in the business environment. Students are challenged to better understand the role of business managers in dealing with difficult ethical dilemmas, improve their skills in analyzing and resolving business issues and ethical conflicts, and to critically examine assumptions and values that stakeholders have in complex business decisions which raise ethical issues. The case study method is used extensively to review topics such as consumer product safety, truth in advertising, affirmative action, sexual harassment, employee rights and responsibilities, whistleblowing, conflicts of interest and workplace safety.

Senior class standing (94 credits) (Required, Previous).

**BUS-480 Special Topics in Business 1.00-4.00**

Selected topics of interest in the field of business. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**BUS-495 Business Policy and Strategy 3.00-**

This course serves as the academic capstone experience for business administration, management, and marketing majors. Through a survey of strategic management and policy formulation theory along with participation in a competitive management simulation experience, students acquire an understanding of and an appreciation for the complexities of decision making at the corporate level. Students prepare written case analyses involving business strategy and make oral presentations of their competitive activities within the simulation. This course is only offered in the MAP program.

FIN-310 (Required, Previous). | Senior class standing (94 credits) (Required, Previous).

**BUS-499 Independent Study 1.00-3.00**

Guided readings and research.

**CHE-100 Elements of General and Biological Chemistry 4.00-**

An introduction to the principles of general chemistry, organic chemistry, and biochemistry. This course is designed for students in the health science areas. Four lecture hours per week.

**CHE-108L Elements of General and Biological Chemistry Lab 1.00-**

This course is an online lab course that compliments CHE 100 General, Organic, and Biological

Chemistry. The course utilizes a kit to perform all the experiments from home. This course is only offered in the MAP program.

**CHE-110            Fundamentals of General Organic, and Biological Chemistry I    4.00-**

Also, high school algebra or MAT 105. A broad-based introduction to the essential topics of general chemistry, organic chemistry, and biochemistry. This course is designed primarily for students seeking a B.A. in biology, and does not count towards degree credit for a B.S. in biology or for any chemistry degree. Three lecture hours and three lab hours per week.

High school chemistry; MAT-095 or high school algebra (Recommended, Previous or concurrent).

**CHE-111            Fundamentals of General Organic, and Biological Chemistry II    4.00-**

A continuation of CHE 110. This course is designed primarily for students seeking a B.A. in biology, and does not count towards degree credit for a B.S. in biology or for any chemistry degree. Three lecture hours and three lab hours per week.

CHE-110 (Required, Previous).

**CHE-140            General Chemistry I    3.00-**

A study of the fundamental laws, principles and theories of chemistry, including the elements and their compounds, types of chemical reaction, structures of atoms and molecules, states of matter, reaction rates, and chemical equilibrium. Recommended lab: CHE-141L

One year of high school chemistry or intro-level college chemistry; high school pre-calculus with a "C" or better or MAT-145 (Recommended, Previous or concurrent). | CHE-141L (Recommended, Previous or concurrent).

**CHE-141L            General Chemistry I Lab            1.00-**

Laboratory study of the fundamental principles of scientific data collection including quantitative and qualitative observation, analog measurement and digital data collection. Observation of principles including solution preparation and properties, radioactivity, atomic structure and molecular structure and properties. Three lab hours per week. CHE-140 lab.

CHE-140 (Recommended, Previous or concurrent).

**CHE-142            General Chemistry II    3.00-**

A continuation of CHE 141. Three lecture hours per week.

CHE-140 (Required, Previous).

**CHE-143L            General Chemistry II Lab            1.00-**

Laboratory exploration of the principles of General Chemistry including acid-base chemistry, thermodynamics, kinetics, electrochemistry, gas laws and equilibrium. Three laboratory hours per week.

CHE-142 (Recommended, Concurrent).

**CHE-151            General Chemistry I    4.00-**

A study of the fundamental laws, principles and theories of chemistry, including the elements and their compounds, types of chemical reaction, structures of atoms and molecules, states of matter, reaction rates, and chemical equilibrium. Three lecture hours and three lab hours per week.

One year of high school chemistry or intro-level college chemistry; high school pre-calculus with a "C" or better or MAT-145 (Recommended, Previous or concurrent).

**CHE-151L      General Chemistry I Lab      -**

CHE-151 lab

CHE-151 (Required, Concurrent).

**CHE-152      General Chemistry II      4.00-**

A continuation of CHE 151. Three lecture hours and three lab hours per week.

CHE-151 (Required, Previous).

**CHE-152L      General Chemistry II Lab      -**

CHE-152 lab

CHE-152 (Required, Concurrent).

**CHE-180      Spcl Tpcs: Chem      1.00-4.00**

Special topics in chemistry may include field trips, lab opportunities, or special classes on important topics in the field. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CHE-253      Accelerated General Chemistry 4.00-**

An accelerated study of the fundamental laws, principles and theories of chemistry, including the elements and their compounds, types of chemical reaction, structures of atoms and molecules, states of matter, reaction rates, and chemical equilibrium. This course is designed for students with sound backgrounds in general chemistry and mathematics who would benefit from a more rigorous foundation for later upperdivision courses. Three lecture hours and three lab hours per week.

**CHE-270      Environmental Chemistry      4.00-**

The chemistry of the atmosphere, water, and soil, and a study of the environmental problems associated with air and water pollution, and chemical waste. Laboratory focuses on analytical techniques used in the detection and measurement of environmental pollutants. Three lecture hours and three lab hours per week.

CHE-110 or CHE-152 or CHE-142 (Required, Previous).

**CHE-270L      Environmental Chemistry Lab      -**

CHE-270 lab

CHE-270 (Required, Concurrent).

**CHE-275      Practical Computational Chemistry      2.00-**

Students taking this course will learn to model the geometries, energies, spectra, and other properties of molecules using a variety of computational techniques. The focus of this course is hands-on and project-based, with minimal emphasis on theory. No previous experience with quantum mechanics beyond general chemistry is required. Subject to project approval, calculations will make use of national supercomputing resources. Two lecture hours per week.

CHE-152 or CHE-142 (Required, Previous).

**CHE-280      Spcl Tpcs: Chem      1.00-4.00**

Special topics in chemistry may include field trips, lab opportunities, or special classes on important topics in the field. Current and previous special topic course descriptions can be viewed on the

Registrar's website - Registration Resources page.  
CHE-152 or CHE-142 (Required, Previous).

**CHE-298      Introductory Research 1.00-4.00**

This course provides the opportunity for students with a strong interest in chemistry to carry out laboratory or computational research on a topic chosen by agreement with a faculty member, perform appropriate literature searches related to their chosen topic, analyze data, and report their findings through a written report and a public presentation. Students may enroll for one to four credits per semester in consultation with faculty advisor. Course expectations scale with the number of credit hours attempted. One credit corresponds to 3 hours of lab work per week, or the equivalent. The course may be repeated for up to a total of four credits.

CHE-140 and CHE-141L (Required, Previous).

**CHE-300      Analytical Chemistry 5.00-**

A study of the theory and techniques of quantitative chemical analysis, including gravimetric, volumetric, and spectrophotometric methods together with chemical calculations involving aqueous reactions and equilibria. Three lecture hours and six lab hours per week.

CHE-152 or CHE-142 (Required, Previous).

**CHE-300L      Analytical Chemistry Lab      -**

CHE-300 lab

CHE-300 (Required, Concurrent).

**CHE-305      Organic Chemistry I 4.00-**

A study of the principles of organic chemistry and the chemical and physical properties of organic molecules, including an overview of the most common elementary steps of organic mechanisms. Laboratory focuses on fundamental laboratory techniques in organic chemistry, general synthetic methods, and introductory green chemistry problem-solving skills. Three lecture hours and three lab hours per week.

CHE-152 or CHE-142 (Required, Previous).

**CHE-305L      Organic Chemistry I Lab      -**

CHE-305 lab

CHE-305 (Required, Concurrent).

**CHE-306      Organic Chemistry II 4.00-**

A continuation of CHE 305. A study of the principles of organic chemistry and the chemical and physical properties of the major classes of organic compounds. An emphasis is placed on problem-solving using organic reaction mechanisms. Laboratory focuses on intermediate laboratory techniques in organic chemistry, spectroscopic methods of compound identification, synthetic methods, and green chemistry problem-solving skills. Three lecture hours and three lab hours per week.

CHE-305; Minimum grade C- (Required, Previous).

**CHE-306L      Organic Chemistry II Lab      -**

CHE-306 lab

CHE-306 (Required, Concurrent).

**CHE-310 Biochemistry 3.00-**

A study of the biomolecules that make up living systems and their function; enzyme action, kinetics, and inhibition; cellular metabolism and energy processes; the storage and transfer of biological information; laboratory procedures used in the study of proteins and other biomolecules. Three lecture hours and three lab hours per week. Cross-listed as BIO 310.

BIO-204 (Required, Previous). | CHE-305 (Required, Previous).

**CHE-310L Biochemistry Lab -**

CHE-310 lab. Cross-listed as BIO 310L.

CHE-310 (Required, Concurrent).

**CHE-311 Biochemistry I 4.00-**

A study of the essential topics of modern biochemistry, presented both from the perspective of the chemical mechanisms at work and their role in regulation of a chemical pathway. The laboratory sessions are designed to provide students with opportunities to gain hands-on understanding of many of these topics. Three lecture hours and three lab hours per week. Cross-listed as BIO 311.

BIO-204 (Required, Previous). | CHE-305 (Required, Previous).

**CHE-311L Biochemistry I Lab -**

CHE-311 lab. Cross-listed as BIO 311L.

CHE-311 (Required, Concurrent).

**CHE-312 Biochemistry II 4.00-**

A continuation of CHE 311. Three lecture hours and three lab hours per week. Cross-listed as BIO 312.

CHE-311 (Required, Previous).

**CHE-312L Biochemistry II Lab -**

CHE-312 lab. Cross-listed as BIO 312L.

CHE-312 (Required, Concurrent).

**CHE-315 Environmental Toxicology 3.00-**

A study of the impact of environmental toxicants on living systems, including types of exposure, acute and chronic effects, species differences, mechanisms of carcinogenesis and teratogenesis, and a survey of the major classes of chemical agents commonly encountered in our living environment. Three lecture hours per week.

CHE-306 (Required, Previous).

**CHE-325 Physical Chemistry I 4.00-**

A study of the physical basis of chemistry including classical and statistical thermodynamics, chemical kinetics, quantum mechanics, and the fundamental principles of atomic and molecular spectroscopy. Laboratory focuses on the application of the methods of physical chemistry to experimental measurements and data analysis and the solution of theoretical problems using computer-based and other methods. Three lecture hours and three lab hours per week.

CHE-152 or CHE-142 (Required, Previous). | MAT-231 (Required, Previous).

**CHE-325L Physical Chemistry I Lab -**

CHE-325 lab.

CHE-325 (Required, Concurrent).

**CHE-326      Physical Chemistry II    4.00-**

A continuation of CHE 325. Three lecture hours and three lab hours per week.  
CHE-325 (Required, Previous).

**CHE-326L      Physical Chemistry II Lab      -**

CHE-326 lab.

**CHE-360      Internship in Chemistry      2.00-6.00**

The internship in chemistry is designed to give qualified students the opportunity to obtain credit for work conducted off-campus. Work experience at national laboratories, major research institutions, and within the chemical industry may qualify. Placement is arranged after a review of the proposed experience has been approved by the department faculty. Periodic reports must be submitted by the student and the sponsoring institution. A minimum of 200 hours of work experience in chemistry is required to earn three credits. May enroll for two to six credits. Graded S/U.  
18 credits in chemistry, excluding CHE-100 (Required, Previous).

**CHE-380      Special Topics in Chemistry    1.00-4.00**

Special topics in chemistry, may include field trips, lab opportunities, or special classes on important topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.  
CHE-152 or CHE-142 (Required, Previous).

**CHE-410      Advanced Organic Chemistry    3.00-**

Advanced topics in structure, synthesis, mechanisms, and reactions of organic chemistry. Three lecture hours per week.  
CHE-306 (Required, Previous).

**CHE-420      Instrumental Analysis    4.00-**

A study of the theory and practice of modern chemical instrumental analysis including elementary electronics and microprocessors, visible and infrared spectroscopy, atomic absorption and emission spectroscopy, chromatography, nuclear magnetic resonance spectroscopy, and electroanalytical techniques. Three lecture hours and three lab hours per week.  
CHE-300 (Required, Previous).

**CHE-420L      Instrumental Analysis Lab      -**

CHE-420 lab.

CHE-420 (Required, Concurrent).

**CHE-425      Advanced Physical Chemistry    3.00-**

Advanced topics in physical chemistry continuing from 326. Three lecture hours per week.  
CHE-326 (Required, Previous). | MAT-310 (Required, Previous).

**CHE-430      Advanced Inorganic Chemistry    3.00-**

The structure and properties of solid materials and molecular inorganic compounds based on modern concepts of symmetry and chemical bonding. Three lecture hours per week.  
CHE-152 or CHE-142 (Required, Previous). | Junior class standing (62 credits) (Required, Previous). | CHE-325 and CHE-326 (Recommended, Previous).

**CHE-435 Physical Biochemistry 4.00-**

A study of the problems and applications of physical chemistry methods to modern biochemistry. There is emphasis on experimental techniques. Topics will include spectroscopy, chromatography, sedimentation, electrophoresis, relaxation kinetics, and theories of isotope labeling. Three lecture hours and three lab hours per week.

CHE-312 (Required, Previous). | CHE-326 (Required, Previous).

**CHE-460 Internship in Chemistry 2.00-6.00**

The internship in chemistry is designed to give qualified students the opportunity to obtain credit for work conducted off-campus. Work experience at national laboratories, major research institutions, and within the chemical industry may qualify. Placement is arranged after a review of the proposed experience has been approved by the department faculty. Periodic reports must be submitted by the student and the sponsoring institution. A minimum of 200 hours of work experience in chemistry is required to earn three credits. May enroll for two to six credits. Graded S/U.

18 credits in chemistry, excluding CHE-100 (Required, Previous).

**CHE-480 Special Topics in Chemistry 1.00-4.00**

Special topics in chemistry, may include field trips, lab opportunities, or special classes on important topics in the field. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CHE-490 Chemistry Seminar 2.00-**

Discussion of major issues in chemistry with emphasis on student presentations (oral and written) of general and specific topics discussed in current chemical journals. Integrates the general education theme and readings. Attendance at convocations is required. Two recitation hours per week.

Senior class standing (94 credits) (Required, Previous).

**CHE-498 Directed Research 1.00-4.00**

This course provides the opportunity for students with strong chemistry background and skills to carry out laboratory or computational research on a topic chosen by agreement with a faculty member, perform appropriate literature searches related to their chosen topic, analyze data, and report their findings through a written report and a public presentation. Papers of sufficient merit and novelty may be presented at a regional research conference. Students may enroll for one to four credits per semester. One credit corresponds to 3 hours of lab work per week, or the equivalent. Up to six credits may count for degree or concentration requirements.

**CHE-499 Independent Study 2.00-3.00**

An independent study of a laboratory and/or theoretical problem in chemistry. A written report and / or a public presentation may be required to receive credit. May enroll for two or three credits.

**CLS-401 Clinical Hematology I 1.00-8.00**

A study of the function, maturation, and morphology of the formed elements of the blood and the coagulation mechanism, as well as the principles and procedures of analysis. Includes supervised clinical experience in hematology, coagulation and phlebotomy techniques. Students perform various



procedures both manual and automated to count, differentiate, and/or identify the various cellular and coagulation elements of the blood.

**CLS-402 Clinical Hematology II 1.00-8.00**

A continuation of CLS-401.

**CLS-403 Clinical Chemistry I 1.00-8.00**

Covers the basic principles of analytical chemistry in a broad area of investigation including biochemistry, normal and abnormal physiology, laboratory procedures, laboratory math, and instrumental analyses. Emphasis is placed on learning the theory and practice of clinical biochemistry. Students are taught to perform the various manual and automated procedures employed in analyzing blood and body fluids. Theory is presented through formal and informal lectures and practical applications are emphasized through supervised clinical experiences.

**CLS-404 Clinical Chemistry II 1.00-8.00**

A continuation of CLS-403.

**CLS-405 Clinical Microbiology I 1.00-8.00**

A study of the principles and procedures for the isolation and identification of clinically important bacteria, parasites (Parasitology), and fungi (Mycology). Antibiotic sensitivity testing is included as well as infection control procedures. Supervised clinical experiences provide practical application.

**CLS-406 Clinical Microbiology II 1.00-8.00**

A continuation of CLS-405.

**CLS-407 Clinical Immunohematology I 1.00-8.00**

Covers the principles and procedures of analyses in Blood Banking. Students learn the theory and practice of preparing blood for transfusion, including grouping, typing, and cross-matching blood. Detection and identification of antibodies or other causes of incompatible transfusions is also emphasized.

**CLS-408 Clinical Immunohematology I 1.00-8.00**

A continuation of CLS-407.

**CLS-409 Laboratory Topics I 1.00-8.00**

This course will include a broad spectrum of clinically relevant topics, such as Basic Lab Techniques, Education, Management, Clinical Correlations, and Research.

**CLS-410 Laboratory Topics II 1.00-8.00**

A continuation of CLS-409.

**CLS-411 Immunology and Serology 1.00-8.00**

Covers the principles and procedures of analyses in Immunology and Serology. Emphasis is placed on teaching the theory and methods used for detecting antigens, antibodies, and other serum substances related to infectious diseases. Normal and altered immune responses to diseases and other clinical conditions are included. Includes supervised clinical experience in the techniques required in these areas.

**CLS-412 Clinical Microscopy/Urinalysis 1.00-8.00**

Includes physiology of renal function and the significance of cellular and chemical constituents of urine (Urinalysis). Microscopic evaluation of other significant body fluids and clinical diagnosis are covered.

**CLS-413 Serology and Virology 1.00-8.00**

Covers the principles and procedures of analyses in Serology and Virology. Emphasis is placed on teaching the theory and methods used for detecting antigens, antibodies, and other serum substances related to infectious diseases. Normal and altered immune responses to diseases and other clinical conditions are included. Includes supervised clinical experience in the techniques required in these areas.

**CLS-414 Education/Management/Research 1.00-8.00**

A study of the principles and techniques of clinical instruction, in-service and continuing education, as well as administration and supervision. Includes a study of scientific investigation as applied in methods evaluation, problem solving, and research. Lectures, group projects, mini-teaching presentations, and panel discussions introduce the student to the basic concepts.

**CLS-415 Clinical Practicum 6.00-**

This course includes rotations throughout all areas of the clinical laboratory following all pertinent didactic courses. Students learn time management, multi-tasking and team participation as they work alongside clinical laboratory scientists in each section. Basic operation and function of all the instrumentation as well as common trouble-shooting and problem resolution are emphasized. This course primarily focuses on practical skills, but correlation with clinical material is included as well.

**COL-099 College Reading and Learning Strategies 3.00-**

This developmental course includes instruction in learning strategies such as notetaking, test taking, time management, and reading textbooks effectively. Reading improvement skills including comprehension skills, reading rate, and vocabulary building make up the three major units of study. Students also learn to utilize their personal learning styles. These learning strategies are applied to students' academic coursework. A grade of C or better is required. COL 099 may be repeated only one time; if the second attempt is unsuccessful, the student is ineligible to return based on lack of progress.

Developmental courses, such as COL 099, count toward the credits required for degree completion, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**COL-101 Career Exploration 2.00-**

This course is designed to help students learn more about their own values, interests, personality, and skills, leading to a more informed decision on choice of major – and ultimately – plans for post-collegiate success. The first-half of the semester will utilize career assessments, online tools, videos, informational interviews, guest presentations, and personal reflection as the student learns more about him/herself and various academic and career paths available. The second half of the semester will take a more practical approach to career development, including creation and tailoring of career documents, maintaining a professional online presence, completing mock interviews, learning from guest presenters, and goal-setting for the immediate and distant future. Enhancement courses, such as COL 101, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**COL-110 Strategies for College and Career Success 3.00-**

This course incorporates the content of COL-101, Career Exploration, with the learning and practice of several academic success skills. It is required for students who have successfully appealed for readmission to Marian University, and strongly recommended for students on academic probation. This is an enhancement course, but may not be repeated for credit.

**COL-360 Career Exploration Internship 1.00-3.00**

The internship is designed to give students an opportunity to explore career options not directly related to the student's major area of study. Three class meetings with the director of internships are required for completion of the course. Minimum 60 hours of work experience required per credit. Internship credits do not count toward credits required in a specific major. Graded S/U.

**COM-101 Public Speaking 3.00-**

Rhetoric is the art of persuasion and public speaking is the paradigmatic rhetorical act. Practicing the fundamentals of speech construction and delivery, students will cultivate rhetorical awareness – the critical sensibilities required to read a particular situation and craft a strategic response. This course equips students with effective communication skills for academic achievement, professional success, and civic engagement. This course satisfies general education curriculum standards for foundational intellectual skills in speaking and listening.

**COM-150 Media Ethics and Laws 3.00-**

This course explores the relevant laws and ethical questions concerning the production and consumption of media in the 21st century. Students apply the principles of media law and ethics to situations they are likely to face in their personal and professional lives.

**COM-190      New Media and Digital Culture 3.00-**

Explores the role of new media in public and popular culture. Provides a theoretical overview for the critical evaluation and production of digital texts. Includes participation in various digital platforms as students practice digital literacy and hone skills for robust digital citizenship.

**COM-201      Communication for Intentional Communities 1.00-**

This course provides students living in the Dorothy Day House, the Peter Maurin House, or on the First-Year Peace and Justice floor with academic instruction in practical communication skills for living in an intentional community. Students explore topics such as community building, conflict-resolution, consensus based decision making, and strategies for fostering open dialogue. The course also includes a dialogic forum for reflecting on the group's mission and practice. Students may enroll in the course more than once. Students enrolled in this course must participate in the Dorothy Day House or the Peter Maurin House during the current semester. Graded S/U.

**COM-203      Forensics      1.00-2.00**

In this enhancement course, students are provided with academic instruction in prepared, extemporaneous, and impromptu speaking as well as the oral interpretation of literature as they prepare for intercollegiate competition. Students enrolled in this course must participate in the Marian University Speech Team and travel to tournaments. This class is repeatable.

**COM-205      Student Media 1.00-2.00**

In this enhancement course, students create and manage content for MU Knightwatch, the co-curricular student newspaper and digital media outlet.

**COM-210      The Rhetorical Life      3.00-**

Rhetorical theory explores the many ways that words and symbols shape our view of the world. Unfolding the multifaceted dimensions of "the rhetorical life," students explore the persuasive influence of language, knowledge, culture, and all socio-political action. Students will also evaluate the ethical implications of rhetorical texts from film and TV, political speeches and social movements, and interaction over the Internet.

COM-101 (Required, Previous).

**COM-221      The Art of Dialogue      3.00-**

The debate over controversial issues such as abortion, gay rights, and affirmative action is often so heated that communication breaks down. This course investigates the theory and practice of dialogue. Dialogue is a way of talking together when we vehemently disagree. Emphasizing skills for empathetic listening and managing conflict, the class will explore how dialogue can create shared understanding.

**COM-223      Argumentation and Debate      3.00-**

The course provides an introduction to argumentation theory grounded in the classroom experience of academic debate. Through stretching research skills, evaluating evidence, investigating informal logic, and performing the refutation of claims, this course provides a comprehensive overview of making and

questioning arguments.

COM-101 (Required, Previous).

**COM-225 Strategic Writing for Communication 3.00-**

In the context of an internet-mediated and diverse communications industry, this course equips students for writing in the field of strategic communication. Students write for a variety of audiences across several genres and media as they produce texts for public relations and internal communications. Students review the fundamentals of grammar and style alongside an introduction to visual rhetoric as they create multiple-media compositions in career settings.

ENG-112 (Required, Previous).

**COM-235 Oral Interpretation of Literature 3.00-**

Students select, analyze, rehearse, and perform a variety of texts such as prose, poetry, and dramatic literature. The course teaches vocal and physical techniques for communicating literature as well as theoretical perspectives that inform interpretation and performance. Cross-listed as THE-235.

**COM-239 Professional Writing 3.00-**

See ENG-239.

ENG-112 (Required, Previous).

**COM-245 Fact Finding and Checking 3.00-**

Sorting through the challenges of truth-seeking in the 21st century, this course prepares students for information gathering in journalism and public relations. From observation and interviews to documents and data, students practice locating, evaluating, and representing information in light of ethical, legal, and professional standards.

**COM-250 Business & Professional Speaking 3.00-**

Prepares students for public speaking in business and professional contexts. Students develop skills for rhetorical situations such as motivational storytelling, sales pitches, job interviewing, and seminar training. Students also work with electronic media and develop a critical vocabulary for self-assessment.

COM-101 (Required, Previous).

**COM-275 Intro to Film Production 3.00-**

This course combines an introduction to film theory with the hands-on experience of film production. Students explore how film history, criticism, narrative, and genre influence film production. Students then work as directors and crew members on narrative or non-narrative short films - and critique the finished products. Learning the basics of cinematography, editing, sound, and production design, students explore the ins and outs of filmmaking from inception to completion. Cross-listed as THE-275.

**COM-280 Special Topics in Comm 1.00-3.00**

Special Topics in Communication. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**COM-310 Rhetorical Criticism 3.00-**

Investigating metaphor, narrative, ideology, and other rhetorical dynamics, the course surveys methods for analyzing rhetorical texts. Significant contemporary texts of public and popular culture are studied to exemplify critical principles. Critiquing various persuasive messages, students will turn the tools of rhetorical criticism to engaged social criticism. This course fulfills the writing-intensive course requirement for majors in Communication.

COM-210 (Required, Previous).

**COM-324 Digital Storytelling 3.00-**

This class explores crafting stories with digital video and audio tools. Through the analysis and creation of various digital and interactive media, students learn digital production skills and the principles of narrative logic for creative communication.

**COM-326 Digital Journalism 3.00-**

This course offers a skills-based survey of new media newswriting and digital journalism, and it guides students through these processes with textual, visual, aural, and social media. Students learn about legal and ethical issues in journalism posed by emerging online formats. They also practice producing high-quality, quick-turnaround, short-form works for professional journalism.

ENG-112 (Required, Previous).

**COM-330 Speech Writing 3.00-**

This course introduces students to the methods and techniques of effective speech writing. As they practice writing for the ear, students will exercise various rhetorical devices, sentence patterns, and organizational strategies. Students will also analyze exemplary speeches in religious, political, and ceremonial contexts. A practice-centered workshop, the course includes revising speeches as a part of a team – speeches that will often be performed by someone else.

COM-101 (Required, Previous). | ENG-112 (Required, Previous).

**COM-332 Community Organizing for Social Justice 3.00-**

This course overviews the theory and practice of contemporary community organizing. Students explore strategies and develop skills for building community, navigating organization, and mobilizing public advocacy for social change. Questions emerge concerning the ethics and effectiveness of various forms of activism. This community engaged learning course includes work off-campus as part of a community organizing effort. Cross-listed as SOC-332

Sophomore class standing (30 credits) (Required, Previous).

**COM-333 Conflict Management 3.00-**

Explores the role of communication in managing interpersonal and organizational conflicts. Balancing theory and practice, topics addressed include negotiation, mediation, nonviolent communication, and reconciliation.

**COM-352 Identity and Popular Culture 3.00-**

This course explores the seemingly chaotic cultural production, performance, and fragmentation of identities associated with race, gender, and disability. Students critically assess the framing of identity in texts ranging from clothing advertisements to reality TV to Internet dating services. The politics of

multiculturalism in a consumer society are explored as a vehicle for questioning the rhetorical construction of marginalized identities.

Junior class standing (62 credits) (Required, Previous).

**COM-354 Myth and Metaphor 3.00-**

Myth and metaphor structure human thought, organize life in community, weave their way through the production and consumption of popular culture, and animate political discourse in the public sphere. Through theoretical readings and the analysis of texts, this course explores the role of myth and metaphor across discourses that range from ancient philosophy to children's literature to political campaigns.

Junior class standing (62 credits) (Required, Previous).

**COM-356 Global/Local Food Narratives 3.00-**

What does it mean to eat locally in a world that is increasingly globally connected? The stories we tell about food reflect and reinforce our view of the world. In this course, students learn about how narrative shapes our understanding of food and ourselves. Exploring texts such as memoirs, films, and advertisements, students critique the connections between the stories we tell and the food we eat.

Cross listed as GLS-356.

Junior class standing (62 credits) (Required, Previous).

**COM-360 Internship/Practicum in Communication 1.00-6.00**

An approved internship or work experience related to a particular area in communication. The field experience is contracted between the student and the cooperating agency with the approval of the department liaison. The contract includes goals, procedure, requirements for credit, supervision and evaluation criteria. A maximum of six credits may be earned, of which three credits may apply toward the major. Graded S/U.

Junior class standing (62 credits) (Required, Previous).

**COM-365 Strategic Communication 3.00-**

This course is designed to introduce students to the theories, concepts, and applications of strategic communication. Students will investigate issues that challenge contemporary organizations by analyzing case studies, conducting research, and designing possible solutions. In this community engaged learning course, students will apply these concepts by working with a local organization to develop a strategic communication plan. While working on this project, students will also engage with the function of communication in organizations.

Sophomore class standing (30 credits) (Required, Previous).

**COM-367 Writing for New Media 3.00-**

The course will focus on understanding communication objectives and meeting audience needs through the development of appropriate strategies/concepts. Writing for interactive media, video, and audio texts. Students will create various new media products to demonstrate their competencies. Cross-listed as ENG-367.

ENG-112 (Required, Previous).

**COM-380 Special Topics in Communication 3.00-**

Study of selected issues in the discipline of communication (e.g., rhetoric of science, gender in communication). The topic is announced at the time of registration and varies, allowing students to take

the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**COM-445      National Student Advertising Competition      3.00-**  
See MKT-445.

**COM-460      Internship/Practicum in Communication      1.00-6.00**

An approved internship or work experience related to a particular area in communication. The field experience is contracted between the student and the cooperating agency with the approval of the department liaison. The contract includes goals, procedure, requirements for credit, supervision and evaluation criteria. A maximum of six credits may be earned, of which three credits may apply toward the major. Graded S/U.

Junior class standing (62 credits) (Required, Previous).

**COM-480      Special Topics in Communication      3.00-**

Study of selected issues in the discipline of communication (e.g., rhetoric of science, gender in communication). The topic is announced at the time of registration and varies, allowing students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**COM-490      Senior Seminar 3.00-**

Departmental seminar for majors in communication. Students will extend their understanding of issues critical to the field by preparing critical work for the senior portfolio. Incorporates the general education senior topic and text.

Senior class standing (94 credits) (Required, Previous).

**COM-499      Independent Study in Communication 1.00-3.00**

Guided readings, research, and production projects in communication. Provides the opportunity for study of topics appropriate for the individual student.

Junior or senior class standing (62 credits) (Required, Previous).

**COM-H01      Honors Public Speaking      3.00-**

Requirements are identical to COM-101, but content is enriched to challenge students with more experience in public speaking. Limited enrollment to students admitted to the honors program. This course satisfies general education curriculum standards for foundational intellectual skills in speaking and listening.

**COU-500      Counseling Skills and Techniques      3.00-**

Basic counseling skills will be developed through role play and practice interviews. Students will learn and practice skills including attending behaviors, questioning, paraphrasing, summarization, reflection of feeling, confrontation, and reflection of meaning. Ethical and culturally responsive practices will be emphasized.



**COU-505          Group Counseling          3.00-**

Major approaches to group counseling are covered, including theoretical approaches to counseling groups, the various roles counselors play in diverse group models, and basic principles of group dynamics. Students will be trained in group psychotherapy through group discussions, experiential simulations, and role-playing demonstrations.

**COU-510          Professional Role of Mh Counselors          3.00-**

An in-depth introduction to the history, roles, functions, and relationships of mental health counselors within the context of health and human services systems. The course introduces the requirements of Indiana Licensing requirements and CACREP Standards for Mental Health Counseling.

**COU-515          Ethical and Legal Issues          3.00-**

Aspects of professional functioning, including roles, organizational structures, ethics, standards, and credentialing are examined including an in-depth study of ethical and legal codes of conduct of the counseling profession (i.e., American Counseling Association, American Association of School Counselors, American Psychological Association). Current legal guidelines related to maintenance of records, confidentiality, reporting child abuse/neglect, duty to warn and protect, and involuntary commitment will be examined.

**COU-520          Advanced Human Growth and Development          3.00-**

Covers physiological, cognitive, social and psychological developmental processes from conception to death, emphasizing theories, research, and applications to educational and psychological practice.

**COU-525          Theories/Techniques School Counseling I          3.00-**

Introduces students to the profession of school counseling, its history and current trends, and the scope of a school counselor's work in elementary, middle, and secondary school settings. Topics include developmental counseling, consultation, knowledge of curriculum, needs assessment and program development, implementation and evaluation. Provides an overall understanding of the organization of schools and the functions of the school counselor and counseling programs. The course also introduces the Indiana Licensing requirements and CACREP Standards for School Counseling.

**COU-526          Theories/Techniques School Counseling II          3.00-**

Focuses on the role of the school counselor in special education and crisis prevention and intervention. Topics include special education processes, roles and laws, ethics, disability categories, the Individual Educational Plan (IEP), cultural factors, divorce, bullying, child abuse, death, illness, school violence and disasters, suicide, substance abuse, homosexuality, adolescent parenthood, parent-adolescent crises, rape and sexual assault and eating disorders. Strategies for developing and implementing guidance lessons and prevention programs are discussed.

**COU-530          Career and Lifestyle Counseling          3.00-**

Provides a theoretical foundation and opportunities for practical application of career and lifestyle

counseling strategies. Focus is on the acquisition of knowledge and skills necessary to provide professional career counseling services to adolescent and adult populations in a variety of transitional life stages. Students examine major theories of career choice and development, career assessment instruments and their use, and the counseling models associated with these theories and measurements. It will also address the career and life development needs of special populations.

**COU-535      Theories/Models of Counseling      3.00-**

Major counseling theories and their relationship to the counseling process are explored. Individual, familial, and systemic models are presented using but not limited to analytical, phenomenological, person-centered, existential, behavioral, cognitive/behavioral approaches. Students will be required to compare and contrast counseling theories and strategies, consider appropriate application of these strategies in diverse populations, and develop a personal model for providing help and facilitating behavioral change.

**COU-545      Organization/Administration of Guidance Programs      3.00-**

A study of the models and processes fundamental to the establishment and management of comprehensive school guidance programs. In addition to the traditional responsibilities of administration, education, and supportive functions, students will explore tasks such as the identification of service needs, advocacy, the importance of building and maintaining relationships with supervisory peers and superiors, the ethical and legal reasons for providing quality professional development to ensure a competent staff.

**COU-550      Psychopathology      3.00-**

Provides an introduction to the concepts of psychopathology and to the major diagnostic categories of the current DSM with primary emphasis on their development, etiology, prevention, and supporting research evidence. Emphasis is placed on understanding how cultural, biological, social, psychological and spiritual factors are all necessary components to consider when developing an ethical model of treatment planning.

**COU-560A      Mental Health Counseling Practicum      3.00-**

Counseling methods and techniques are used in individual and group counseling settings under close supervision. Practicum students complete a minimum of 100 clock hours during the semester, approximately 8-10 hours per week at the agency. There is a minimum of 40 hours of direct service with clients with at least 10 of these hours conducting group therapy. A minimum of one hour per week of individual supervision by the on-site supervisor is required. One-and-a-half hours of on-campus group supervision is also required each week.

**COU-560B      School Counseling Practicum      3.00-**

Application of school counseling methods and techniques in an approved school setting designed to enhance the student's one-to-one counseling skills. Includes 105 hours of practical field experience including a minimum of 40 hours of face-to-face counseling of school students, and other counselor

activities. Students will meet on campus each week group supervision and course work.

**COU-580 Special Topics in Counseling 3.00-**

This course covers specialized topics relevant to the field of counseling not contained in other courses. Topics vary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**COU-600 Assessment and Program Evaluation 3.00-**

Overview of measurement principles and approaches to the assessment of individuals, groups, and programs. Students are introduced to intelligence, achievement, and aptitude tests, personality assessments, and interest inventories and learn to competently administer them to individuals with and without disabilities. Special emphasis is given to counseling decision-making, and treatment planning as well as measuring program effectiveness. Students are introduced to commonly used program development and evaluation methods; reliability and validity; ethical standards for development and usage; test construction; and interpretation. Examples of course projects: Designing a program for a specific mental health need in the community and proposing evaluation methods; developing individualized education plans and monitoring student progress; constructing a test and demonstrating reliability and validity.

**COU-605 Statistics and Research Methods 3.00-**

Basic experimental, quasi- and non-experimental research designs and methods are examined with an emphasis on developing a critical approach to examining the research literature in counseling. Statistical topics include statistical inference, hypothesis testing, analysis of variance, correlation, regression, multiple regression, factor analyses, and interpretation of results. Students will critique research articles, conduct relevant empirical research, become familiar with statistical analysis software to analyze data, and write research reports in APA format.

**COU-620 Addiction Counseling 3.00-**

Overview of the personal, social, emotional, physiological, and environmental factors related to addictions, with the main emphasis on chemical addictions. Student will be exposed to challenges involved in the evaluations, diagnosis and treatment process of addiction as well as professional, ethical, and legal issues unique to the field of addictions counseling.

**COU-630 Multicultural Counseling 3.00-**

Theories and models of multicultural counseling will be used to foster awareness of a student's cultural values and biases and introduce culturally appropriate intervention strategies. Counseling issues within areas of client diversity including national origin, physical disability, sexual orientation, socioeconomic status, and others will be explored. (SUM)

**COU-632 Marriage and Family Counseling 3.00-**

System approach, counseling techniques/strategies, research findings, treatment issues, and

ethical/social concerns in marriage and family counseling are studied. This includes skill development in working with couples and families in a variety of contexts and recognition of the importance of the family in the treatment of mental and emotional disorders.

**COU-633      Counseling Children and Adolescents      3.00-**

Overview of theoretical and practical approaches to meeting the mental health needs of children and adolescents in mental health and educational settings. Focuses on the particular assessment and therapeutic skills used when working with children in response to a variety of presenting concerns. Among the topics addressed will be the importance of building rapport and the use of play therapy, art and projective techniques specifically designed for children. Students are also provided with the skills needed to effectively consult with teachers, school administrators, parents, and others.

**COU-635      Counseling and Spirituality      3.00-**

Investigates the role of religion and spirituality in the development of a healthy individual. Students critically examine the implications of religious belief systems for counseling practice. Ethical issues relevant to the use of spiritual and religious interventions with individuals, couples, and families are considered, along with current research related to spirituality and counseling.

**COU-650      Applied Neuroscience      3.00-**

A survey of current neuroscientific contributions to the understanding of the etiology of various mental disorders and learning processes. This course provides a review of human brain-behavior relationships including neuroanatomy, neurophysiology, cognitive processes, sensory and motor processes, and their interactions with emotion and personality. Empirical research at the intersection of educational research and neuroscience is used to build fundamental knowledge about the ways that children and adults learn and develop. In addition, the neurobiological foundations of mental health and mental illness will be explored by examining likely causes and most effective treatments of the many mental disorders.

**COU-660A      Internship in Mental Health Counseling      3.00-**

Intensive 2-semester supervised experience in application of basic psychotherapeutic procedures and evaluation techniques in an approved mental health treatment setting. The internship includes a total of 600 hours of clinical work where 240 hours involve providing face-to-face client service. During each semester, students are on-site 20 hours per week for 30 weeks, and have individual face-to-face supervision and on-campus group supervision each week. Graded S/U.

**COU-660B      Internship in School Counseling      3.00-**

A one-year practical field placement with a school counselor in an approved school setting, including a minimum of 600 contact/clock hours (20 hours per week for 60 weeks). Intern students will also meet on campus each week during each semester for support and coursework. Graded S/U.

**COU-661A      Advanced Internship in Mental Health Counseling      3.00-**

Advanced Internship students complete a one-semester supervised experience in counseling with children, adolescents, adults, couples, and/or families under the supervision of a professional counselor. Interns participate in a minimum of 300 hours of clinical work during the semester (20 hours per week), including a minimum of 120 hours of face-to-face client service and weekly individual face-to-face supervision and on-campus group supervision. Graded S/U.

**COU-675      Psychopharmacology      3.00-**

Introduction to the use of psychotropic medications for treatment of mental disorders as applied to children, adolescents, adults, and geriatric populations. Covers the role of neurotransmitter systems on the etiology of mental disorders including anxiety, mood, addiction, personality, impulse, and psychotic disorders. Addresses basic principles of pharmacodynamics, pharmacokinetics, and side effects.

**COU-680      Special Topics in Counseling II      3.00-**

This course covers advanced specialized topics relevant to the field of counseling not contained in other courses. Topics vary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**COU-699      Thesis Option      1.00-3.00**

Students should make the decision to complete a thesis during their first year in the program if considering future doctoral study. In lieu of taking a comprehensive examination students write a thesis as the culminating exercise of their program of studies. Students work closely with a faculty member over 2 semesters. The thesis proposal involves identifying a problem, conducting a literature review, developing a hypothesis, designing a study, and beginning data collection. The thesis project includes data analysis and interpretation and the writing and defense of the thesis. Students must complete an accumulated total of 3 credit hours and may repeat the course for up to a total of 6 credit hours. (ADD)

**CRJ-270 Introduction to Criminal Justice      3.00-**

This course is designed to explore crime, its context, and especially its causes. A foundation will be provided concerning the basic concepts of crime, law, and criminology. Sociological theories of crime causation will be explored. Crime typologies will be examined. Attention will also be directed at the intersection of crime, race, gender, and class.

SOC-101 (Required, Previous).

**CRJ-330 Drugs and Social Policy      3.00-**

This course focuses on drug use and abuse as a social reality within contemporary society. It will include a historical analysis of the social construction of drug use, drug users, abuse, and addiction. We will be investigating the complex relationships between individual and group behavior, and social structure.

CRJ-270 (Required, Previous).

**CRJ-331 Family Violence      3.00-**

Examination of the history of family violence, theories of family violence, and different forms of family violence. Prevention strategies and interventions—the response of social service agencies and the

criminal justice system are explored.  
CRJ-270 (Required, Previous).

**CRJ-332 Juvenile Justice and Delinquency 3.00-**

Analyzes the nature, extent, and causes of juvenile delinquency/behavior by minors in contemporary society; factors and conditions contributing to delinquency; control and treatment of offenders and programs for prevention.  
CRJ-270 (Required, Previous).

**CRJ-333 Crime, Media, and Pop Culture 3.00-**

Examination of the ways in which media and pop culture reflect, reinforce, and influence crime and criminal justice policies in North America.  
CRJ-270 (Required, Previous).

**CRJ-371 Crime, Punishment, and Policing 3.00-**

This course examines the ways in which crime is defined, perceived, experienced, and responded to. In particular, it examines the ways these have changed over time, how these changes are linked to other social phenomena, as well their various ramifications for different groups. The primary focus is on the United States, but international issues will also be examined.  
CRJ-270 (Required, Previous).

**CRJ-380 Special Topics in Criminal Justice 1.00-3.00**

Selected topics in criminal justice. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CRJ-460 Internship in Criminal Justice 2.00-4.00**

Students are placed in a supervised experience in a criminal justice field according to their career interests and academic abilities. A minimum of five hours per week of on-the-job work is required to earn each credit. Students are evaluated by their on-the-job supervisor and by assignments submitted to the monitoring faculty member. Grade S/U. Cross-listed as SOC/PBH-460.

**CST-150 Introduction to Programming 4.00-**

This course introduces students to computer programming concepts using an easy to understand programming language, such as Python. This course covers principles of structured and object oriented programming, writing simple scripts to solve practical problems, and how to break problems into small manageable pieces.

**CST-171 Procedural Programming 4.00-**

This course will provide students with an introduction to programming in C++ and structural programming. Material to be covered include but is not limited to: syntax and semantics, classifying errors, variables, assignments, statements, creating and using libraries, screen file input/output. Emphasis will be on developing problem solving skills based on top-down and bottom-up design methods for structured programming  
MAT-140 or higher (Required, Previous).

**CST-180      Special Topics in Computer Science      1.00-3.00**

Special topics in computer science as deemed necessary by needs of students. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CST-200      Data Structures and Algorithms      4.00-**

This is the second programming course in computer science. This course focuses on applying object oriented design, inheritance, and polymorphism to implement foundational algorithms and their associated data structures including lists, stacks, queues, and graphs. Topics also include sorting algorithms, recursion, and introduction to complexity analysis.

CST-150 or CST-171 (Required, Previous).

**CST-220      Computer Organization and Assembly Language Programming 3.00-**

This course focuses on processor concepts, instruction pipelining, and assembly language programming. Other topics covered include, digital logic and Boolean algebra, processor instruction sets, data representation, and memory addressing methods.

CST-200 (Required, Previous).

**CST-250      Design and Analysis of Algorithms      4.00-**

This course will cover advanced topics in data structures and algorithms beyond those studied in CST 200. Central to the course will be an understanding of the asymptotic worst-case performance of algorithms also known as big-O. Students will gain hands-on experience developing algorithms with performance trade-offs in mind, and learn to combine and compose multiple data structures to solve increasingly difficult problems. Topics in graph theory, optimization, dynamic programming, and NP-completeness will be addressed.

CST-200 (Required, Previous). | MAT-230 (Required, Previous).

**CST-280      Special Topics in Computer Science      1.00-3.00**

Special topics in computer science may include field trips, lab opportunities, or special classes on important topics in the field. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CST-315      Computer Graphics      3.00-**

This course covers topics in 2D and 3D computer graphics. Topics include the rendering pipeline, 2D and 3D transformations and coordinate systems, parallel and perspective projections, color and lighting theory, texture mapping, shading, animation, simulation, particle rendering, and game design

CST-250 (Required, Previous).

**CST-318      Artificial Intelligence      3.00-**

This course covers the foundations of artificial intelligence. Such topics include introduction to probability and reasoning, design of autonomous agents, finite-state machines, state-space search, game trees, and path planning. Machine learning concepts are introduced such as genetic algorithms and neural networks

CST-250 (Required, Previous).

**CST-320          Computer Architecture 3.00-**

Computer Architecture is an in-depth exploration of processor design and comparative computer architectures. Topics in specialized computing architectures such as GPU and FPGA are discussed. Other topics include memory and process management, threading, and execution parallelism.  
CST-220 (Required, Previous). | CST-250 (Required, Previous).

**CST-330          Computer Networking 3.00-**

This course introduces students to networking principles that compose the Internet Protocol Stack. Topics covered include network hardware components, network organization, topology, distributed application communication, data protocols, packet forwarding and routing.  
CST-250 (Required, Previous).

**CST-340          Database Systems          3.00-**

This course will focus on development and management of database systems. Topics include entity relationship design, table normalization, and Structured Query Language (SQL). Implementation of a database application will be required and may include some web design.  
CST-250 (Required, Previous).

**CST-360          Internship in Computer Science          1.00-6.00**

The internship in computer science provides an opportunity to obtain practical work experience in software and technology industries. Work at national laboratories, research institutions, and within the software / technology industry may qualify. Periodic reports must be submitted by the student and the sponsoring institution. A minimum of 60 hours of work experience is required per credit hour. May enroll for one to six credits. Graded S/U

**CST-371          Software Engineering 3.00-**

This course will focus on application of software development concepts to a large programming project. Topics will include software development life cycle, agile development and management techniques, design patterns, coupling and cohesion, and development tools such as version control. A project will be required.  
CST-250 (Required, Previous).

**CST-380          Special Topics in Computer Science          1.00-3.00**

Special topics in computer science may include field trips, lab opportunities, or special classes on important topics in the field. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CST-420          Operating Systems          3.00-**

This course focuses on the resource management of modern operating systems. Topics include CPU scheduling, concurrency, symmetric multiprocessing, memory management, deadlock, virtual memory, and file systems. An introduction to Linux operating systems and parallel processing are also covered.  
CST-250 (Required, Previous).

**CST-450          Theory of Computation          3.00-**

This course covers the abstract and theoretical principles of computing. Topics include formal languages



of the Chomsky hierarchy, abstract devices such as automata and Turing machines, context free grammars, Church-Turning Thesis, and the complexity classes of P, NP, NP-Complete, NP-Hard, and unsolvable.

CST-250 (Required, Previous). | MAT-250 (Required, Previous).

**CST-451 Principles of Programming Language 3.00-**

This course considers the principles and practical considerations for the design and implementation of modern programming languages. Topics include language syntax and semantics, dynamic and static binding, variable scope, and data types and abstraction. Modern language paradigms are discussed and compared.

CST-250 (Required, Previous). | MAT-250 (Required, Previous).

**CST-460 Internship in Computer Science 1.00-6.00**

The internship in computer science provides an opportunity to obtain practical work experience in software and technology industries. Work at national laboratories, research institutions, and within the software / technology industry may qualify. Periodic reports must be submitted by the student and the sponsoring institution. A minimum of 60 hours of work experience is required per credit hour. May enroll for one to six credits. Graded S/U

**CST-480 Special Topics in Computer Science 1.00-3.00**

Special topics in computer science may include field trips, lab opportunities, or special classes on important topics in the field. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**CST-490 Senior Seminar Computer Science 2.00-**

This course explores a board range of perspectives on the role of computer science and technology in society. Questions of ethics, fairness, and technology access are discussed. Additionally, emerging trends beyond the scope of any individual course are covered to present a holistic view of computer science past, present, and future. Attendance at convocations is required. Two recitation hours per week. Integrates the general education theme and readings.

**CST-491 Senior Capstone Computer Science 1.00-**

This course provides students with the opportunity to work on a mid-sized software project of the students' own conception. Students will propose, design, plan, and implement a significant software project that represents the culmination of their computer science career. This course will cultivate and strengthen programming skills as well as writing and presenting skill.

**CST-498 Directed Research in Computer Science 1.00-4.00**

This course allows students with strong computer science proficiency to conduct computational research on a topic chosen in agreement with a faculty member. Duties include literature review, analyzing data, and reporting findings. Projects of merit may be eligible for external presentation. One credit corresponds to 3 hours of lab work per week, or the equivalent. Up to six credits may count for

degree or concentration requirements.

**CST-499      Independent Study in Computer Science      1.00-3.00**

This course allows for an independent study of a significant problem in computer science. A written report and / or a public presentation may be required to receive credit. May enroll for two or three credits.

**ECN-200      Introductory Economics      3.00-**

A one-semester introduction to the major principles and issues in economics for students who are not majoring in accounting, business administration, economics, finance, management, marketing, or minoring in economics. The course surveys both micro and macroeconomic issues. This course partially satisfies the general education requirement in the individual and social understanding category.

**ECN-201      Principles of Macroeconomics      3.00-**

An introduction to the major areas of macroeconomic theory including GDP, unemployment and inflation, economic growth and productivity, savings and investment decisions, financial markets, fiscal and monetary policy, and current macroeconomic problems are emphasized. This course partially satisfies the general education requirement in the individual and social understanding category.

**ECN-202      Principles of Microeconomics      3.00-**

An introduction to the major areas of microeconomic theory. Economics of consumer choice, product markets, firm behavior, organization of industries, and labor markets are emphasized. This course partially satisfies the general education requirement in the individual and social understanding category.

**ECN-205      Statistical Methods      3.00-**

A study of the basic concepts and methods of statistics, including descriptive statistics, probability, sampling theory and practice, hypothesis testing, and correlation. Computers are introduced as tools of analysis. A basic statistics course for students from fields in which statistics find application. This course partially satisfies the general education requirement in the scientific and quantitative reasoning category. Cross-listed as BUS-205.

**ECN-310      Environmental Economics      3.00-**

This course explores the economic issues related to environmental and natural resource concerns. Topics include market failure, particularly in the case of environmental externalities, and the implications of environmental problems from the perspective of welfare economics. Emphasis is placed on the theory and practice of benefit-cost analyses as well as the government's role in economic market failures. This course also explores the microeconomics of natural resource industries including renewable and non-renewable resources. The theory and practice of environmental policy at all levels, domestic and international, are explored.

ECN-200 (Required, Previous). | ECN-202 (Required, Previous).

**ECN-315            Health Economics            3.00-**

This course uses economic tools to understand various issues and problems pertaining to medical care and the health industry. It examines the production and demand for medical care, health care systems and institutions, the role of government in health care markets, and the behavior of specific health care industries.

ECN-200 (Required, Previous). | ECN-202 (Required, Previous).

**ECN-320            Current Economics Problems            3.00-**

Major economic issues of the day are studied and discussed, and the economic impact of divergent solutions are analyzed.

ECN-200 (Required, Previous). | ECN-202 (Required, Previous).

**ECN-321            The Economics of Sports            3.00-**

This course applies the principles of economics to evaluate professional and amateur sports, including topics like league structure, team decision-making, labor-relations, incentive structures, free agency, salary caps, and stadium financing and the role of public policy. Economic factors affect the behavior of participants in sport markets - owners, managers, players, and the media - just as they affect the behavior of individuals in other markets. Basic economic principles and formal economic models help make sense of many issues in the world of sports. In addition, the sports world is full of evidence, which helps illustrate economics in action and provides a wealth of information for testing economic theories. The objective of this course is to offer a deeper understanding of both.

ECN-200 (Required, Previous). | ECN-201 (Required, Previous). | ECN-202 (Required, Previous).

**ECN-325            International Trade and Development            3.00-**

The theory of international trade and commercial policy under changing world conditions, the theory of tariff and trade control policies, the balance of payments problem, monetary relations, and the evolution of international economic institutions.

ECN-200 (Required, Previous). | ECN-201 (Required, Previous). | ECN-202 (Required, Previous).

**ECN-335            Labor Economics            3.00-**

This course takes a predominately microeconomics focus on developing theories of labor supply, labor demand, and human capital. Specific topics will include labor force participation by gender, race, and over time; wage and compensation determination; discrimination; productivity; and government labor policies.

ECN-200 (Required, Previous). | ECN-201 (Required, Previous). | ECN-202 (Required, Previous).

**ECN-499            Independent Study            1.00-3.00**

Guided readings and research.

**EDU-120            Technology in Education            3.00-**

**EDU-122            Foundations of Music Education            2.00-**

An introduction to the field of music education and the music education program at Marian University. Class content, activities and assignments are designed to assist students in defining their professional

goals and to assess their individual qualifications for entrance into the field. Content to be covered will include, but is not limited to, lesson planning, lesson pacing, understanding and implementing standards, assessment strategies, reinforcement, learning theories, and professionalism. On site experiences with K-12 students are required.

**EDU-123      Foundations of Music Education II      2.00-**

Development of fundamental vocal performance techniques and performance skills on guitar, recorder, Ukulele, and other classroom instruments. Peer teaching experiences and introduction to classroom music repertoire for K-12 settings.

**EDU-130      Introduction to Exceptional Children      3.00-**

This course includes definition, identification, prevalence, characteristics and educational needs of the various types of exceptional children. Information on the roles of the local school agency, the state, and the federal government as they pertain to the education of exceptional children is also learned. This is a lab course that includes visitations to the various school programs and private agencies serving children with special needs.

**EDU-174      Observation and Description of the Child      3.00-**

This course focuses on the variety of ways of observing, recording, and analyzing children's development and behavior. Naturalistic observation is the primary area of study. The course requires students to work in a classroom one morning a week. The visits will occur in day care/pre-school settings.

**EDU-175      Introduction to Schools and Society      3.00-**

This course focuses on the foundations of education including multicultural education and the diversity of students. Topics include the goals of schooling, the impact of schools, the history of schools, and current trends and issues, particularly in the twentieth and twenty-first centuries. The course requires students to work in various classrooms one morning per week, for a total of 40 hours. A variety of school sites with diverse populations will include private, public, progressive, low-mid-high SES schools, and populations of majority African American, Jewish, Latino/Latina and/or Catholic students.

**EDU-180      Special Topics in Education      3.00-**

Selected topics approved by the Educator's College. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**EDU-190      Critical Service Learning I: Dignity of The Individual      3.00-**

Future Educators will explore themselves more deeply than ever before through critical service with local community partners. Critical Service Learning will force students out of their comfort zones and into unfamiliar community funds of knowledge that are crucial to culturally relevant and equity pedagogy.

**EDU-190L      Critical Service Learning I Lab   -**

EDU-190 (Required, Concurrent).

**EDU-221      Expressive Arts3.00-**

This course considers the expressive arts - visual arts, drama, dance and movement, music, technology, media, physical education, and health and nutrition - in relation to the Indiana Academic Standards, the NSAE Standards and the content areas of language arts, math, science, and social studies.

Developmentally appropriate practices in arts methods and materials are presented and discussed with an emphasis on process rather than product. Assignments may include writing and presenting integrated activity plans that are developmentally appropriate, designing an arts and content-related bulletin board, observing and interviewing a special teacher, and attending an arts-related event.

**EDU-224      Protocols for Classroom Observations 3.00-**

Students learn effective classroom observation and evaluation protocols and their related terminology using video rounds prior to actual field placements. These techniques will enable students to transfer observation skills from a video platform to an actual classroom environment where they will conduct effective classroom observations and evaluations in order to enhance their own ability to reflect and debrief on their performance as well as the performance of those observed.

**EDU-224L      Protocols for Classroom Observation Lab   -**

Protocols for Classroom Observations Lab

EDU-224 (Required, Concurrent).

**EDU-233      Assessment of Children With Exceptional Needs      3.00-**

See SPD-233.

**EDU-255      Introduction to Schools and Society Society      3.00-**

This foundation course includes politics and history of education, modern philosophical influences, schools as organizations, standards for teaching, educational equity, roles of teachers in schools, and ethical and legal issues.

**EDU-255L      Sdy Abd: Schools and Society   -**

Study abroad experience for students enrolled in EDU-255.

**EDU-290      Critical Service Learning II Responsible Stewardship      1.00-**

Future Educators will discover their LEADERSHIP role in caring for our environment, beginning with healthy, sustainable living. This critical service learning will focus on environmental and health sciences. Students will have the opportunity to work with the Nina Mason Pulliam EcoLab and the Ruth Lilly Health Education Center to accomplish key goals and impact the health of local youth.

EDU-190 (Required, Previous).

**EDU-290L      Critical Service Learning II Lab   -**

Critical Service Learning II: Resp. Stewards Lab  
EDU-290 (Required, Concurrent).

**EDU-307      Science of Learning      3.00-**

Examines the psychological dimensions of the education process, conditions under which learning occurs, evaluation of learning and related teaching methods. An emphasis will be placed on research-based practices including those from the Institute for Education Science. This course satisfies the writing intensive requirement for the major.  
EDU-224 (Required, Previous).

**EDU-307L      Science of Learning Lab      -**

Science of Learning Lab  
EDU-307 (Required, Concurrent).

**EDU-314      Teaching and Learning in Kindergarten 3.00-**

This course emphasizes theories of learning; personal, social, and moral development; individual and group differences; higher-level thinking; and motivation. Key concepts in kindergarten curriculum are also addressed. The course includes a kindergarten practicum and a service learning experience.

**EDU-315      Differentiated Strategies for Teaching And Learning      3.00-**

The course explores multiple ways of organizing curriculum and assessing and instructing children. Styles of learning, multiple intelligences, differentiated instruction, formal and informal assessment strategies, and use of state standards as part of the planning model are components of this course.

**EDU-315L      Diff Strat for Tching & Lrning Lab      -**

Diff Strat for Tching & Lrning Lab Learning Lab  
EDU-315 (Required, Concurrent).

**EDU-318      Eng Lrns in Div & Incls Clsrms Inclusive Classrooms      3.00-**

This course introduces the process and stages of second language acquisition, and student capabilities at each stage. The roles of culture and acculturation in language acquisition and classroom performance through outside experiences are a catalyst to the broader diversity in the schools discussion. Teaching strategies, lesson and assessment modification are emphasized. Cross-listed as EDU-518.

**EDU-318L      ENL and Diversity Lab   -**

ENL and Diversity Lab  
EDU-318 (Required, Concurrent).

**EDU-322      Elementary Music Methods      3.00-**

Application of music methods to the teaching process; emphasis on effective teaching strategies including Orff, Kodály, Suzuki, and Dalcroze pedagogies; classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations, current music education textbooks, suitable elementary literature, use of classroom

instruments, and evaluation techniques. On- site experiences with P-6 students is required.

**EDU-325 Teaching in a Diverse World 3.00-**

This course examines multicultural education curriculum and pedagogy. Students learn to plan and teach multicultural units and lessons by integrating best practices with Indiana and national social studies standards.

EDU-347 (Required, Previous or concurrent).

**EDU-327 Secondary Music Methods 2.00-**

Application of music methods to the teaching process of choral and instrumental ensembles with students in grades 7-12. Emphasis on effective teaching strategies including rehearsal planning, techniques, and management, teacher responsibilities inside and outside the classroom, working with multicultural and diverse populations, and evaluation techniques for choral and instrumental ensembles. On- site experiences with students in grades 7-12 are required.

**EDU-328 Best Practices in Teaching Enl 3.00-**

This course focuses on theory and practice in teaching English to students for whom English is not a native language. It provides an overview of historical and current approaches to teaching language, different contexts for language learning, and various materials available for teaching English. It provides opportunities for students to develop and demonstrate practical skills, gain hands-on experience, and review professional literature.

EDU-318 (Required, Previous).

**EDU-339 Curriculum & Methods: Ms/Hs Exceptional Needs 3.00-**

This course will assist students in developing and adapting the curriculum in order to meet the needs of children with exceptional needs in middle school and high school. Specific subject areas instructional methods and materials will be reviewed and general instructional strategies and student skills will be presented.

EDU-130 (Required, Previous). | EDU-233 (Required, Previous).

**EDU-346 Foundations of Literacy Instruction 3.00-**

This course will analyze all five essential components of reading instruction from foundation to implementation to assessment. Emphasis will be based on current scientifically based reading research to address Phonemic Awareness, Phonics, Fluency, Comprehension and Vocabulary through whole and small group instruction. Clinical application will focus on observation and implementation of whole or small group lessons anchored to course content.

EDU-224 (Required, Previous). | SPD-230 (Required, Previous).

**EDU-346L Found of Literacy Instruct Lab -**

Found of Literacy Instruct Lab

EDU-346 (Required, Concurrent).

**EDU-347 Intensive Interventions in Reading 3.00-**

This course focuses on the identification, assessment and intervention of reading difficulties in each of the five essential components of reading (phonemic awareness, phonics, fluency, vocabulary and

comprehension). The course includes diagnosis of reading difficulties, matched scientifically reading research based intensive interventions and multiple forms of assessment including curriculum based measurement and diagnostics. The course will include a clinical field experience component.  
EDU-346 (Required, Previous).

**EDU-347L Intensive Interv Reading Lab -**

Intensive Interventions in Reading Lab

EDU-347 (Required, Concurrent).

**EDU-348 Language and Literacy Methods 3.00-**

This course focuses in an integrated approach to English Language Arts instruction in which reading and writing are taught simultaneously through interdisciplinary text sets. Teacher candidates will learn evidence-based practices for teaching students how to write all genres. A particular emphasis will be placed on seamless integration of multiliteracies. Clinical field experience for this course will include observation and clinical demonstration of writing instruction.

EDU-224 (Required, Previous).

**EDU-348L Language and Literacy Methods Lab -**

Language and Literacy Methods Lab

EDU-348 (Required, Concurrent).

**EDU-351 Reading and Writing in the Content Areas 3.00-**

This course focuses on reading, writing, and study skills needed to teach content subjects in middle schools and high schools. Strategies in using reading and writing for learning are included. Teacher candidates also learn to select and prepare reading materials consistent with the skill and maturity levels of students, support English language learners, and promote recreational reading. In addition, this course focuses on the practical experience working in secondary classrooms. The teacher candidate participates in at least 10 hours in a middle school classroom and 10 hours in a high school classroom of appropriate content area. In a follow-up reflection, the teacher candidate displays understanding by connecting coursework to classrooms and comparing middle school and high school students.

**EDU-351L Reading and Writing in the Content Areas -**

Reading and Writing in the Content Areas Lab

EDU-351 (Required, Concurrent).

**EDU-353 Literacy in the Fine Arts 1.00-**

This course integrates reading and oral and written communication theory and teaching strategies in grades P-12. It provides opportunities for students to construct and demonstrate literacy understanding through application and artistic exploration of the arts. This course combines reading/literacy strategy, implementation, classroom management application, as well as integration of the arts. The course includes the study of skills and strategies, methods of teaching, materials and resources, and evaluating and organizing to meet students' individual needs in the areas of literacy and fine arts. The course helps students build a strong background in creativity and innovation, critical thinking and problem-solving, communication, and collaboration.



**EDU-355          Education Around the World    3.00-**

In this course, students will learn about educational systems in different countries. The cultural aspects of countries other than the United States, including social, political, cultural, historical, and economic aspects will be studied. This course partially satisfies the general education requirement in the cultural awareness category.

**EDU-358          Assessment of Second Language Learners    3.00-**

This course is designed to prepare the prospective teacher of second language learners for appropriate assessment of children. Various formal and informal assessments will be examined and discussed.

Cultural and language issues will be considered as to their impact on assessment.

EDU-318 (Required, Previous). | EDU-328 (Required, Previous). | ENG-304 (Required, Previous). | ENG-307 (Required, Previous).

**EDU-358L        Assess of Second Lang Lrns Lab-**

Assess of Second Lang Lrns Lab

EDU-358 (Required, Concurrent).

**EDU-368        Exceptional Needs Practicum I 2.00-**

See SPD-368.

**EDU-369        Exceptional Needs Practicum II 2.00-**

See SPD-369.

**EDU-380        Special Topics in Education    3.00-**

Selected topics approved by the Educator's College. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**EDU-390        Critical Service Learning III: Reconciliation    3.00-**

Future educators will synthesize critical service learning experiences and their deep, lasting (political and societal) impact. Students will be given the unique opportunity to be mentored by community leaders and activists during this intensive experience. Through this critical service learning, students will begin the process of reconciliation, visualizing all of the possibilities for continued growth, action and leadership that will directly impact our Nation's youth and global society.

**EDU-390L        Critical Service Learning III Lab -**

Critical Service Learning III Lab

EDU-390 (Required, Concurrent).

**EDU-400        Mission/History of Catholic Schools    1.00-**

Overview of the rich history, culture and identity of Catholic Schools. These philosophical, theological and historical ideals are purposefully focused to stimulate and provide reflective thought about the purpose of Catholic Education and an understanding of what it means to be a Catholic educator in the

21st Century.

**EDU-419 Best Practices for Teaching 3.00-**

This course will develop the ability to apply skills and competencies in the P-12 classroom while creating a safe and supportive learning environment that emphasizes high expectations for all students, to maximize student learning. Students will learn to plan high impact instruction that will include the following topics: cognitive science, differentiation, student-centered instruction, growth mindset, deep and probing questions, concrete with abstract, non-linguistic representation, interleaving, distributed practice, and high quality feedback.

EDU-307 (Required, Previous).

**EDU-419L Best Practices for Teaching Lab-**

Best Practices for Teaching Lab

EDU-419 (Required, Concurrent).

**EDU-439 Collaboration and Communication 3.00-**

See SPD-439.

**EDU-444 Integrated Teaching 3.00-**

This course focuses on teaching how to develop units of study for the elementary classroom by integrating subject matter and skills from math, language arts, science, and social studies, as well as art, music, and physical education. Activities are designed to encourage creativity, decisionmaking, problem-solving, and collaboration. Topics covered include integrated teaching and learning, elements of a brain-compatible classroom, service learning, consumer education and establishing a mini-economy, prejudice and discrimination, geography, global education, educating for the future, values education, education for underrepresented populations, and long range planning. Some assignments involve working with school personnel in a practicum setting.

**EDU-446 Creating Positive Classroom Environments 3.00-**

This course includes organization and management of group and individual activities for effective learning in classrooms; maintaining a pleasant, healthy, and functional environment; understanding and guiding behavior problems; and fostering home-school cooperation. Some assignments involve working with school personnel in a practicum setting.

**EDU-446L Creating Positive Clsm Enviro. -**

EDU-446 lab.

EDU-446 (Required, Concurrent).

**EDU-447 Assessment for Learning 3.00-**

This course is designed to cover all facets of assessment for learning including: designing both formative and summative assessment, supporting, verifying and documenting learning through assessment, and creating multiples modes and opportunities to demonstrate student learning. Other topics include the examination of data to understand learner progress, appropriate use of data to guide instruction,

employment of technology to support assessment practice, minimizing sources of assessment bias, differentiation based on assessment results, and understanding accommodations.

**EDU-447L      Assessment for Learning Lab      -**

Assessment for Learning Lab

EDU-447 (Required, Concurrent).

**EDU-453      Teaching in the Middle Schools      3.00-**

This course includes development of curriculum for middle school students, research-based teaching practices, and developmentally appropriate practice. Additional topics include student achievement, differentiation for students with exceptional needs and students from diverse cultural and language backgrounds, reporting student progress; and skill in interpersonal relations, including parent involvement. This course includes a required practicum of at least 15 hours.

**EDU-454      Teaching in the High Schools      3.00-**

**EDU-462      Student Teaching: Kindergarten/Primary      6.00-**

Full-time student teaching in grades K-3. Student teaching fee required. Graded S/U.

**EDU-463      Student Teaching: Intermediate      6.00-**

Full-time student teaching in grades 4-6. Student teaching fee required. Graded S/U.

**EDU-465      Student Teaching: Middle School      6.00-**

Full-time student teaching in a middle school setting. Student teaching fee required. Graded S/U.

**EDU-466      Student Teaching: High School      6.00-**

Full-time student teaching at a high school. Students wishing to add a middle school license must work with the School of Education to establish additional weeks for the license. Student teaching fee required. May enroll for six or twelve credits. Graded S/U.

**EDU-467      Student Teaching: Exceptional Needs, Primary      6.00-**

Full-time student teaching for elementary candidates adding an exceptional needs minor at the primary school level. Student teaching fee required. Graded S/U.

**EDU-468      Student Teaching: Exceptional Needs, Intermediate      6.00-**

Full-time student teaching for elementary candidates adding an exceptional needs minor in the intermediate school level. Student teaching fee required. Graded S/U.

**EDU-469      Student Teaching: Exceptional Needs, Middle School      6.00-**

Full-time student teaching for elementary candidates adding an exceptional needs minor at the middle school level. Student teaching fee required. Graded S/U.

**EDU-470      Student Teaching: Exceptional Needs, High School      6.00-**

Full-time student teaching for secondary candidates adding an exceptional needs minor at the high school level. Student teaching fee required. Graded S/U.

**EDU-473      Clinical Internship (teaching Certification)      9.00-**

This clinical internship, also referred to as student teaching, is a semester experience of pre-service clinical practice in P–12 schools for candidates preparing to teach in secondary or all-grade licensure settings. Areas of the pre-service experience include all areas of classroom instruction, assessment, management and other classroom related skills under the supervision of a clinical intern supervisor and the direction of a University supervisor. Internship fee required. Graded S/U.

EDU-491 (Required, Concurrent).

**EDU-474      Clinical Internship (non-Teaching Certification) 9.00-**

This clinical internship is a semester experience of pre-service clinical practice that includes educational practices related to professions including those in non-school settings under the supervision of a clinical intern supervisor and the direction of a University supervisor. This Internship does NOT fulfill teacher licensure requirements. Internship fee required. Graded S/U.

EDU-491 (Required, Concurrent).

**EDU-475      Clinical Residency I      9.00-**

Clinical Residency I is a semester long, 18 week experience of clinical practice in P-12 schools for candidates preparing to teach in all-grade licensure settings. Areas of the clinical experience include instructional planning, classroom instruction, assessment, management and other classroom related skills under the supervision of a clinical internship mentor teacher and the direction of a University Supervisor.

**EDU-476      Clinical Residency II      9.00-**

The Clinical Residency II is a semester long, 18-week experience of clinical practice in P–12 schools for candidates preparing to teach in all-grade licensure settings. Areas of the clinical experience include instructional planning, classroom instruction, assessment, management and other classroom related skills under the supervision of a clinical internship mentor teacher and the direction of a University Supervisor. Special topics include differentiation, professional learning networks and the integration of technology in classroom instruction.

**EDU-480      Special Topics in Education      3.00-**

Selected topics approved by the Educator's College. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**EDU-490 Senior Seminar, Critical Service Learning Capstone, Peace and Justice 3.00-**

Future educators become leaders and activists in this capstone course. Students will work with local community leaders to identify a specific need, plan and implement a project with a direct impact on the youth of the Greater Indianapolis Area (community/clinically based). The course integrates the general education theme and readings. Attendance at convocations is required. This course is taken the semester prior to student teaching.

EDU-390 and successful completion of Pathway I. (Required, Previous).

**EDU-490L Senior Seminar Lab -**

Senior Seminar Lab

EDU-490 (Required, Concurrent).

**EDU-491 Clinical Internship Senior Seminar 3.00-**

The Clinical Internship Seminar is a required component of the Professional Internship Semester experience and is taken concurrent with the clinical internship experience. It is designed to provide an opportunity to synthesize the internship experience and move the Intern towards the world of education at a professional level. This seminar provides the opportunity to link the theory and pedagogical course work to the work in the professional setting. The intern will provide updates and sections of the candidate work sample portfolio throughout the seminar for review and assessment. This seminar offers an opportunity for the Intern to process the experiences of the educational environment and the preparation of the required candidate work sample while also receiving valuable and practical connections of prior coursework to the actual professional experience. The course integrates the general education theme and readings. Attendance at convocations is required.

EDU-473 or EDU-474 (Required, Concurrent).

**EDU-499 Independent Study 1.00-6.00**

Guided readings and research.

**EDU-505 Child Development and Observation 3.00-**

This course involves foundational coursework and observation in a school setting. This course examines children's and adolescents' physical, cognitive, language and literacy, social, emotional, and moral development. Self-concept, identity and motivation, and exceptionality areas also addressed. Themes of diversity and working with parents are also woven throughout this course. The observation portion of the course emphasizes ways of observing, recording, and analyzing children's behavior and development in relation to planning and implementing developmentally appropriate curriculum.

**EDU-510 Child Development 2.00-**

This course examines children's physical, cognitive, language and literacy, social, emotional, and moral development from birth through age eight. Children's self-concept, identity and motivation, and exceptionality are also addressed. Working with parents and issues of diversity are also woven into the course.

**EDU-513 Study of Young Child Through Observing And Recording 3.00-**

This course emphasizes ways of observing, recording, and analyzing children's behavior and

development in relation to planning and implementing developmentally appropriate curriculum in classrooms.

**EDU-514          Second Language Learning          2.00-**

This course introduces the process and stages of second language acquisition, student capabilities at each stage, and the role of culture and acculturation in language acquisition. Teaching strategies and lesson and assessment modification are emphasized.

**EDU-515          Principles & Problems of Ec and Mc Education 2.00-**

This foundation course includes the following themes: politics of education, critical historical events, modern philosophical influences, schools as organizations, standards for teaching, educational equity, school reform, early and middle childhood and adolescent approaches to curriculum and instruction, and classroom management.

**EDU-516          Family & Teacher in Diverse/Inclusive Settings 2.00-**

This course examines critical research, collaborative community partnerships, conflict management, child guidance, and home/school partnerships.

**EDU-518          English Learners and Diversity in Inclusive Classroom 3.00-**

This course introduces the process and stages of second language acquisition, and student capabilities at each stage. The roles of culture and acculturation in language acquisition and classroom performance are a catalyst to the broader diversity in the schools discussion. Teaching strategies and lesson and assessment modification are emphasized. Cross-listed as EDU-318.

**EDU-519          Best Practices in Teaching & Learning 3.00-**

This is a foundational course which strengthens the candidate's background in curriculum and instruction. Curriculum development, using state and national standards, teaching strategies, student engagement, materials and resources, and assessing students are topics that are included. Candidates keep a reflective journal to link teaching strategies with internship practices.

**EDU-519          Bp in Teaching and Learning 3.00-**

This is a foundational course which strengthens the candidate's background in curriculum and instruction. Curriculum development, using state and national standards, teaching strategies, student engagement, materials and resources, and assessing students are topics that are included. Candidates keep a reflective journal to link teaching strategies with internship practices.

**EDU-520          Best Practices in Language Arts and Expressive Arts 3.00-**

This course integrates methods of teaching in content areas. Curriculum development, teaching strategies, materials and resources, and evaluating students are included. Students apply theories as

they work with children in school settings.

**EDU-521 Best Practices in Language Arts and Social Studies 3.00-**

This course integrates methods of teaching in content areas. Topics include classroom diagnosis and techniques for assisting with reading problems, use of diagnostic instruments and methods and materials for remediation, use of reading in teaching social studies concepts, emphasizing the moral development of children and multicultural level appropriate literature.

**EDU-522 Best Practices in Science and Mathematics 3.00-**

This course strengthens the candidates background in curriculum and instruction related to elementary and middle childhood and adolescent levels of mathematics and science, using manipulative, discovery learning, and problem solving. One Family Mathematics Night or Family Science Night is required.

**EDU-523 Exceptional Needs I 1.00-**

This course is designed for M.A.T. interns only and provides an overview of the range of abilities found in children who are educated in general education classrooms. Appropriate observation skills and strategies for adapting the curriculum are addressed. Information relating to the legal requirements regarding children with disabilities is included. Observation of meetings is required.

**EDU-524 Technology 1.00-**

This course is an introduction to the use of technology in elementary and middle childhood and adolescent classrooms. Students learn appropriate technology integration techniques. Lab activities include computer system operation, software evaluation, and use of teacher utilities.

**EDU-525 Children With Exceptional Needs II 1.00-**

This course is designed to provide a continuation of the content in EDU-523. More in-depth information is included relating to specific disabilities and how to appropriately include these children within general education classrooms. Collaboration strategies are considered. Observation of meetings is required.

**EDU-526 Best Practices in Elementary Math & Science 3.00-**

This course is designed to strengthen, broaden, integrate, and enrich teaching and learning in of math and science in early childhood and elementary settings. The purpose of this course is to explore, create and utilize a variety of developmentally appropriate instructional strategies to enhance computational and science inquiry focusing on problem solving, and experimental and discovery learning.

**EDU-527 Best Practices in Teaching a Foreign Language 3.00-**

This course strengthens the candidates background in curriculum and instruction related to teaching a foreign language K-12. This course will focus on creative techniques to address and teach the national and state foreign language standards related to communication, cultures, comparisons, connections, and communities. In addition candidates learn through teaching experiences what constitutes

effective foreign language instruction and what constitutes an exemplary foreign language teacher and program.

**EDU-528            Best Practices in Teaching English Learners            3.00-**

This course focuses on best practices in teaching English to K-12 English language learners. It provides a foundation for teaching English Learners (ELs) by focusing on developing equitable programming and curriculum that is aligned to state EL standards and K12 content standards. Emphasis is placed on the role of the EL teacher in the school community and how to become an instructional leader in best practices for English learners.

**EDU-529            Best Practices in Elementary Lang Arts And Social Studies            3.00-**

This course integrates methods of teaching in Language Arts and Social Studies. Topics include classroom diagnosis and techniques for assisting with reading problems, use of diagnostic instruments and methods and materials for remediation, use of reading in teaching social studies concepts, emphasizing the moral development of children and multicultural level appropriate literature in early childhood and elementary classrooms.

**EDU-530            Assessment of Learning I            2.00-**

This course includes an overview of assessment practices in schools, focusing on traditional testing, standardized testing and alternative forms of assessment and evaluation. Modifications for special populations are also addressed.

**EDU-531            Assessment of Learning II            2.00-**

This course addresses using test results and class assessments to guide instruction in the K-12 classroom. Growth model statistics and the process of gathering and interpreting test data are addressed in this course.

**EDU-532            The Inclusive Classroom            3.00-**

This course focuses on the K-12 level and is designed for students who are not obtaining the exceptional needs license. The course provides an overview of the range of abilities found in children who are educated in general education classrooms. Appropriate observation skills and strategies for adapting the curriculum will be addressed. Information relating to the legal requirements regarding children with disabilities is included. Observation in actual classrooms is required. The collaborative role of the general education teacher will be considered. In-depth reading and writing and experience in school settings are expected.

**EDU-533            Assessment of Children W/ Exceptional Needs 3.00-**

This course examines the causes and types of learning problems found in children with exceptional needs. Students learn how the teacher can assess children with learning problems. Formal psychological evaluation tools are examined and the value of the information to the classroom teacher is discussed.



In-depth reading and writing and experience in school settings are expected.

**EDU-534            Assessment in Early Childhood Classrooms            3.00-**

This course provides an overview of assessment practices in P-3 classrooms, focusing on traditional testing, formative and summative assessment and modifications for special populations. Students develop an understanding of using test results and creating developmentally appropriate assessments to guide instruction in the P-3 classrooms. The growth model and the process of gathering, monitoring, and interpreting test data are addressed in this course.

**EDU-535            Introduction to Children W/ Exceptional Needs            3.00-**

This course is an introduction to the variety of exceptional conditions found in children. Definitions, identification, prevalence, characteristics, and educational needs of the various types of exceptional children are presented. Information on the roles of the local school agency, the state, and the federal government as they pertain to the education of exceptional children is also included. In-depth reading and writing and experience in school settings are expected.

**EDU-536            Assessment of English Learners            3.00-**

Participants learn how to design and select assessments that are appropriate for K-12 English Learners, how to administer assessments with fidelity, and how to interpret assessment results. Students develop a richer understanding of how assessments can drive classroom instruction, as well as an understanding of the importance of a culturally and linguistically responsive approach to Response to Intervention (RTI). Finally, students learn how to distinguish between second language acquisition issues in learning and the need for special education services.

**EDU-538            Exceptional Needs: Curriculum and Methods            3.00-**

This course assists candidates in developing and adapting the curriculum to meet the needs of children with exceptional needs. Specific instructional strategies and materials are reviewed. In-depth reading and writing and experience in school settings are expected

**EDU-540            Mentoring the Beginning Teacher            3.00-**

This course is offered to seasoned teachers committed to the growth and development of beginning teachers, as well as to their own personal growth and development. Topics considered in this course include: adult learning theory and principles, standards-based teaching practices, portfolio production and review, beginning teacher assessment, and characteristics of “teacher as reflective practitioner.” Credits for this course may be applied toward license renewal through professional growth plans.

**EDU-543            Techniques for Reading and Literacy Instruction            3.00-**

This course focuses on scientifically-based reading research and methods for teaching reading. The course addresses differentiated, direct instruction, and multi-sensory reading strategies to support literacy, comprehension and vocabulary development.

**EDU-549**      **Exceptional Needs: Collaborative Consultation 3.00-**  
See SPD-549.

**EDU-560**      **Internship      1.00-3.00**

Each educator preparation program requires internship hours to earn licensure. Candidates should consult their handbooks for each program's required hours. A maximum of nine credits may be earned. Graded S/U.

**EDU-568**      **Practicum: Exceptional Needs 3.00-**

This practicum combines a weekly group meeting with a 40-hour field experience. Students observe, interact, and instruct children with exceptional needs. The student is responsible for individual and group lessons and for relating classroom knowledge with actual practice. Students transfer information from an evaluation report to an individualized education plan (IEP). In-depth reading and writing and experience in school settings are expected. Graded S/U.

**EDU-580**      **Special Topics 1.00-3.00**

Selected topics approved by the Educator's College. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**EDU-590**      **Classroom Research I 2.00-**

This first part of a two-course sequence teaches the fundamentals of classroom-based research.

**EDU-591**      **Classroom Research II 3.00-**

This second part of a two-course sequence teaches the fundamentals of classroom-based research, culminating with a project paper and presentation required to complete the program. (

**EDU-592**      **Action Research in Education 3.00-**

This course provides instruction in the design and implementation of action research in educational settings to positively impact teaching and learning. This course teaches the fundamentals of action research, culminating with a capstone project/paper required to complete the program.

**EDU-599**      **Independent Study 1.00-3.00**

This course is designed to provide the student with an opportunity to gain or enhance their knowledge and to explore an area of interest education.

**EGR-195**      **Introduction to the Engineering Profession 1.00-**

Complement the orientation to both Marian University and IUPUI, assist in the development of skills and knowledge to support all academic studies, provide an introduction to the engineering profession and curriculum.

**EGR-196 Introduction to Engineering 3.00-**

An overview of the engineering profession and methodologies of engineering design. Students develop skills using computer aided design and simulation software for engineering systems. The course also introduces the students to standard computer application software and university network and software resources. 3 Lecture hours per week.

**EGR-200 Thermodynamics 3.00-**

First and second laws, entropy, reversible and irreversible processes, properties of pure substances. Application to engineering problems.  
PHY-201 (Required, Previous).

**EGR-270 Basic Mechanics I: Statics 3.00-**

Fundamental concepts of mechanics, force systems and couples, free body diagrams, and equilibrium of particles and rigid bodies. Distributed forces; centroids and centers of gravity of lines, areas, and volumes. Second moment of area, volumes, and masses. Principal axes and principal moments of inertia. Friction and the laws of dry friction. Application to structures and machine elements, such as bars, beams, trusses, and friction devices.

**EGR-272 Mechanics of Materials 3.00-**

Understanding the basic knowledge of the behavior of various elastic members under different types of loading, prepare students to perform basic experimental analysis relating to the theoretical part of the course in a separate lab.

**EGR-274 Basic Mechanics II: Dynamics 3.00-**

Kinematics of particles in rectilinear and curvilinear motion. Kinetics of particles, Newton's second law, energy, and momentum methods. Systems of particles, kinematics and plane motion of rigid bodies, forces and accelerations, energy and momentum methods. Kinetics, equations of motions, energy and momentum methods for rigid bodies in three-dimensional motion. Application to projectiles, gyroscopes, machine elements, and other engineering systems.  
EGR-270 (Required, Previous).

**EGR-327 Engineering Economics 3.00-**

Understanding of basic accounting and financial reports; develop an awareness of cash flows and time value of money; select among several viable alternative projects; introduce product and project costing and rates of return; and appreciation of uncertainty in models and measures of decision making.

**ENG-099 Basic English 3.00-**

This course is structured to prepare students for successful completion of ENG-101. For international students, it is a prerequisite. Practice is provided in elementary skills in usage, grammar, vocabulary, sentence construction, and paragraph writing. A grade of C or better is required. ENG 099 may be repeated only one time; if the second attempt is unsuccessful, the student is ineligible to return based on lack of progress. Developmental courses, such as ENG 099, count toward the credits required for degree completion, and may be repeated for credit, with a maximum of 12 credits earned toward a

bachelor degree or six credits toward an associate degree.

Placement (Required, Previous).

**ENG-101      English Composition      3.00-**

Introduction to college-level writing and preparation for ENG-112. Students develop and practice content- development, revising, and editing strategies through multiple drafting assignments. Students can expect a high level of instructor feedback through written responses and/or conferences. A final grade of C- or higher must be earned for this course before enrolling in ENG 112. This course does not satisfy any General Education requirement.

ENG-099 or placement (Required, Previous). | ENG-L01 (Required, Concurrent).

**ENG-109      Student Publications      1.00-**

Students contribute to student publications as writers, editors, and designers as contracted with the faculty advisor. May be repeated for up to 3 hours.

**ENG-112      Writing and Community      3.00-**

Students use writing to think critically and creatively about human experience as represented in literary, scholarly, and culturally-relevant texts, as well as in their own experiences. Instruction emphasizes drafting, reading, and research strategies expected of college-level writers. Multiple assignments require revision processes to refine thinking and expression, to navigate genre expectations, and to reflect the habits and conventions of discourse communities, academic and others. Final portfolio required. This course partially satisfies general education curriculum standards for foundational intellectual skills in written communication.

Placement into ENG-112 OR ENG-101 with minimum grade of C- (Required, Previous). | ENG-L01 or placement (Required, Previous or concurrent).

**ENG-115      Written Analysis of Literature      3.00-**

This course continues instruction in writing skills by strengthening students' critical reading strategies when writing about literary and scholarly texts. The course is designed to develop analytical and interpretive skills and deepen understanding of textual strategies, literary terminology, and genre distinctions. This course partially satisfies the general education requirement in the effective communication category.

ENG-101 (Required, Previous).

**ENG-120      Introduction to English Studies      1.00-**

This course introduces English majors to college-level English studies, providing them with information concerning the history and function of the discipline, and acquaintance with critical theory and method, archival research, classroom practice, graduate programs, and professional careers. Required for English majors.

**ENG-123      Literary Perspectives      3.00-**

Literary Perspectives explores three essential questions: what is literature? How is it relevant to building culture? And how is it relevant to you building your life? We will investigate many different perspectives to shed important light on these and other questions. "Perspectives" means we look at literature and writing from historical, cultural, social, economic, aesthetic, professional, and personal angles. Coming

at literature and writing from various "perspectives" enables you to enhance unique skills in critical and creative thinking, gain knowledge of narrative as culture-builder, and learn about opportunities and careers through English studies.

**ENG-180      Special Topics in Lit and Writing      1.00-3.00**

Study of selected literary works involving a particular topic (e.g., African American literature, literature of the East, science fiction, women novelists) or treating specific themes (e.g., studies of the double, of initiation, or parent-child relationships), or a study of selected issues in writing. The chosen topic or themes are announced at the time of registration and vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

ENG-112 (Required, Previous).

**ENG-204      Creative Writing      3.00-**

Basic principles and practice in imaginative writing; development of criteria for judging artistic compositions.

ENG-112 (Required, Previous).

**ENG-208      Peer Tutoring of Writing and Collaborative Learning      1.00-**

This course is an entrance into the broader discourse of evidence-based writing center and peer learning theories and practices. Successful completion of this course will enable peer tutors of writing to engage in collaborative learning through a range of deliberate negotiations across critical, creative and cultural perspectives. Required for all Marian University Writing Center peer tutors, but it is also open to students regardless of employment status with the Marian University Writing Center.

ENG-112 (Required, Previous).

**ENG-209      Writing Workshops in the Secondary Classroom      1.00-**

This course introduces students to the philosophical and practical aspects of writing workshops in secondary classrooms. This course provides an understanding of the benefits of a workshop-based approach, as well as the tools to design successful workshops. Required for English majors in the teaching track and also open to those seeking licensure in any secondary field involving writing, such as history.

ENG-112 (Required, Previous).

**ENG-210      Public Action Writing      3.00-**

This course explores the ecologies of writing and how these practices are used to shape understandings of community issues. This service engagement course engages with public literacy practices to explore their role in advocating community perspectives, documenting lived experience, and producing social texts. Students will research contemporary and local uses of public writing, engage in written literacy practices that shape public discourse, and explore public applications of writing. Final portfolio including a collaborative community literacy project required. This course will meet regularly off-campus and require access to public or private transportation.

ENG-112 (Required, Previous).

**ENG-213      Literature (the Short Story)      3.00-**

This course provides instruction in analyzing, discussing, and writing about modern short stories. The

course explores styles and themes of contemporary short fiction written cultural perspectives, including American, Hispanic, African, Middle Eastern, Asian, and European. This course fulfills the cross cultural general education requirement. This course is only offered in the MAP program.

**ENG-214 American Literature I 3.00-**

Historical survey of American literature from the pre-colonial period to 1865.  
ENG-112 (Required, Previous).

**ENG-215 American Literature II 3.00-**

Historical survey of American literature from 1865 to the present.  
ENG-112 (Required, Previous).

**ENG-222 Historical Survey of British Literature I 3.00-**

Historical survey of British literature from its origins through the eighteenth-century.  
ENG-112 (Required, Previous).

**ENG-223 Historical Survey of British Literature II 3.00-**

Historical survey of British literature in the nineteenth and twentieth centuries.  
ENG-112 (Required, Previous).

**ENG-237 Introduction to Digital Humanities 3.00-**

This course offers an overview of the theory and application of computing in literary studies, introducing methods, new genres, formatting issues, and best practices for digital preservation. Student will apply concepts, tools, and methods when creating collaborative literary digital humanities project.  
ENG-112 (Required, Previous).

**ENG-239 Professional Writing 3.00-**

Theory and practice of writing common professional forms such as sales materials, abstracts, memos, application letters, and resumés. Emphasis is placed on writing proposals and reports, and on understanding, in general, the persuasive element in most professional writing. Cross-listed as COM-239.  
ENG-112 (Required, Previous).

**ENG-245 Page to Stage: Studies in Dramatic Literature and Performance 3.00-**

See THE-245.  
ENG-112 (Required, Previous).

**ENG-250 History of Literary Criticism 3.00-**

A survey of literary criticism from its classical origins into the twentieth-century. Includes the work of such theorists as Aristotle, Sir Philip Sidney, Alexander Pope, Samuel Taylor Coleridge, Henry James, and the twentieth-century post-structuralists and deconstructionists.  
ENG-112 (Required, Previous).

**ENG-255 News Writing 3.00-**

Practical experience in developing journalistic style of writing for the print news media. Emphasis is placed upon news reporting, feature and editorial writing. May support publication of the student

newspaper.

ENG-112 (Required, Previous).

**ENG-280 Special Topics in Literature and Writing 3.00-**

Study of selected literary works involving a particular topic (e.g., African-American literature, literature of the East, science fiction, women novelists) or treating specific themes (e.g., studies of the double, of initiation, or parent-child relationships), or a study of selected issues in writing. The chosen topic or themes are announced at the time of registration and vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

ENG-112 (Required, Previous).

**ENG-302 Critical and Creative Non-Fiction 3.00-**

Study and practice of the essay genre from Montaigne to the present, paying special attention to evolving forms of the essay and the rhetorical and aesthetic choices that shape meaning. Intensive workshop experience.

ENG-112 (Required, Previous).

**ENG-303 Writing Studies 3.00-**

Surveys theories, research, and knowledge that inform answers to the question, What does it mean to write? Students examine assumptions they have about language, written expression, and writing ability. Students apply threshold concepts in writing studies in a final project.

ENG-112 (Required, Previous).

**ENG-304 The English Language 3.00-**

Study of the history and grammar of the English language, with some attention to semantics, dialects, and contemporary issues in language change.

ENG-112 (Required, Previous).

**ENG-307 Principles of Linguistics 3.00-**

A study of contemporary theories on the nature of human language, its components, acquisition, processing, and social aspects.

ENG-112 (Required, Previous).

**ENG-309 Advanced Editorial Experience 1.00-**

Designed for leaders of student publications, course topics include articulating the mission of a publication, reviewing content, editing submissions, and publishing the final product. May be repeated for up to 6 credit hours.

**ENG-315 Literature of the American Renaissance 3.00-**

A critical study of the literature written in the United States from about 1830 to about 1860, selected from the work of Edgar Allan Poe, Ralph Waldo Emerson, Henry David Thoreau, Margaret Fuller, Nathaniel Hawthorne, Herman Melville, Frederick Douglass, Walt Whitman, Emily Dickinson, Louisa May Alcott, and others. Explores the influence of transcendentalism and factors leading to the Civil War; examines the treatment in literature of such social issues as slavery and women's suffrage.

ENG-112 (Required, Previous).

**ENG-316 American Realism 3.00-**

A critical study of the literature written in the United States between 1865 and the turn of the century, including the work of Mark Twain, Edith Wharton, Henry James, Willa Cather, Theodore Dreiser, Stephen Crane, and others. Explores the increasing complexities of American culture in the post-Civil War period as reflected in the literature.

ENG-112 (Required, Previous).

**ENG-317 American Modernism 3.00-**

A critical study of the literature written in the United States during the first half of the 20th century, including the work of T.S. Eliot, William Faulkner, Gertrude Stein, Ezra Pound, Ernest Hemingway, Richard Wright, F. Scott Fitzgerald, Langston Hughes, and others. Explores the development of the Modernist aesthetic and examines the interplay between literature and psychoanalysis, Fascism, and other twentieth-century cultural and political developments.

ENG-112 (Required, Previous).

**ENG-319 Mythology 3.00-**

Study of principal myths and legends of the ancient world, with consideration of the nature of myth, relation of myth to religion and ritual, and the presence of mythic structures in contemporary culture.

ENG-112 (Required, Previous).

**ENG-320 Representations of Catholicism 3.00-**

A critical study of literature written by Catholic writers, engaging issues of Catholic theology, and/or depicting Catholic characters and culture. The course provides an informed inquiry into the intellectual, social, and aesthetic complexities of the Catholic faith as represented in literature. The specific topic of the course changes with each offering, e.g., Catholicism in the United States, spiritual autobiography, etc.

ENG-112 (Required, Previous).

**ENG-322 Line Editing 3.00-**

Students regularly participate in editing workshops in order to build a repertoire of strategies for evaluating sentence-level choices in wording, punctuation, and grammar. Course content includes overview of developmental, line, and copy editing sequence and processes in print and digital publishing and emphasizes ethical decision-making.

ENG-112 (Required, Previous).

**ENG-323 Literature and Medicine 3.00-**

Literature and Medicine is a critical and reflective examination of representations of illness, healthcare, and the human body in literature across cultures and historical periods. The course is driven by the recognition that illness and medical care are experienced, related, and addressed as narratives. The course seeks to build narrative competence, as provided through literary critical theory, as a means of developing an ethical and empathic view of the human experience of illness and healthcare.

ENG-112 (Required, Previous).

**ENG-325 Chaucer and His Age 3.00-**

Study of the works of Chaucer and of other selected medieval authors.

ENG-112 (Required, Previous).



**ENG-330          Shakespeare      3.00-**

Study of representative Shakespearean comedies, tragedies, and histories; consideration of historical and literary background. Cross-listed as THE-335.

ENG-112 (Required, Previous).

**ENG-332          Modern Poetry 3.00-**

This course surveys the poetic voices that have shaped the genre in the last seventy-five years. After reviewing major trends in the poetry of the twentieth and twenty-first centuries, the course will focus more narrowly on seven or eight individual poets who have made unique contributions to the genre.

ENG-112 (Required, Previous).

**ENG-333          Modern Drama              3.00-**

This course concentrates on modern drama starting with Ibsen and Chekov with the greatest emphasis on American and British playwrights. Strong writing component, with projects relating to a student's concentration in English literature, writing, or theatre. Cross-listed as THE-333.

ENG-112 (Required, Previous).

**ENG-334          Modern Women Playwrights      3.00-**

This course will focus on the development of women playwrights in the twentieth century. Selected plays will illustrate the tension within traditional gender roles; sexual repression, freedom, and ambivalence; and women's access to power and agency. Through the use of gender theory, we will investigate how women's drama has been shaped by and has helped to shape the political and socio-economic gains (and losses) of women in the twentieth century. Cross-Listed as THE-334.

ENG-112 (Required, Previous).

**ENG-335          The Modern Novel              3.00-**

A critical study of major British and American novelists with some consideration of influential global trends in novel writing from 1900 to the present.

ENG-112 (Required, Previous).

**ENG-340          World Literature in Translation 3.00-**

A critical study of the literature of a selected culture other than North American or European. National and/or ethnic focus of the course changes with each offering. This course partially satisfies the general education requirement in the cultural awareness category.

ENG-112 (Required, Previous).

**ENG-347          Young Adult Literature 3.00-**

Using the Indiana Reading List 6-12, this course is designed both for those who want to teach adolescent literature and those who are interested in writing it. An on-going topic will be contrasts between adolescent literature and adult literature about adolescents. Understanding genres is vital both in the teaching and writing of adolescent literature.

ENG-112 (Required, Previous).

**ENG-353          British Renaissance Literature: Tudor And Stuart Drama              3.00-**

This course is a critical study of British Renaissance Drama, excluding Shakespeare. We will explore the works of Shakespeare's contemporary playwrights and delve deeply into the literary conventions of the early modern stage, as well as investigate the cultural, political, and historical significance and lasting

influence of Renaissance drama. Cross-listed as THE-353.  
ENG-112 (Required, Previous).

**ENG-354      British Romanticism      3.00-**

This course explores the origins and developments of the major intellectual movement of British Romanticism. The course focuses on a complex group of writers, artists, and composers who flourished from 1780 to 1830, extending eighteenth-century Enlightenment thought into a counter-cultural movement during one of the most revolutionary and socially contentious periods in English history.  
ENG-112 (Required, Previous).

**ENG-360      Internship in English      1.00-6.00**

An approved internship or work experience related to professional writing. Grade point of 3.5 in English and approval of department are required. Course may be repeated once. A maximum of three credit hours may apply toward the major. Graded S/U.  
Junior class standing (62 credits) (Required, Previous).

**ENG-367      Writing for New Media 3.00-**

See COM-367.  
ENG-112 (Required, Previous).

**ENG-370      Advanced Creative Writing      3.00-**

This course offers extended instruction and practice in creative writing. With each offering, the focus of the course includes one of the primary literary genres- poetry, fiction, playwriting, or nonfiction. Students may enroll twice in ENG 370, as long as the genre focus is different.  
ENG-204 (Required, Previous).

**ENG-375      Global Cinema 3.00-**

This course will examine trends in international cinema from its inception through the twentieth century with a particular emphasis on the depiction of human dignity. The course will meet twice a week for two and a half hours - half of which will be used for screening the film, and the other half devoted to lecture and discussion. The class will begin with German silent cinema and include films from France, Italy, Spain, Denmark, Sweden, Poland, India, China, Japan and Iran. Cross-listed as GLS-375.  
ENG-112 (Required, Previous). | GLS-101 (Required, Previous).

**ENG-380      Special Topics in Literature and Writing      3.00-**

Study of selected literary works involving a particular topic (e.g., African-American literature, literature of the East, science fiction, women novelists) or treating specific themes (e.g., studies of the double, of initiation, or parent-child relationships), or a study of selected issues in writing. The chosen topic or themes are announced at the time of registration and vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.  
ENG-112 (Required, Previous).

**ENG-460      Internship in English      3.00-**

An approved internship or work experience related to professional writing. Grade point of 3.5 in English and approval of department are required. Course may be repeated once. A maximum of three credit

hours may apply toward the major. Graded S/U.  
Junior class standing (62 credits) (Required, Previous).

**ENG-470      Advanced Creative Writing Workshop      3.00-**

This course offers advanced creative writing students extended instruction in creative writing and weekly peer and instructor critiques of works-in-progress. The course culminates in the submission of a complete creative writing portfolio for MFA writing programs or other professional pursuits.  
ENG-370 (Required, Previous).

**ENG-480      Special Topics in Literature and Writing      3.00-**

Study of selected literary works involving a particular topic (e.g., African-American literature, literature of the East, science fiction, women novelists) or treating specific themes (e.g., studies of the double, of initiation, or parent-child relationships), or a study of selected issues in writing. The chosen topic or themes are announced at the time of registration and vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.  
ENG-112 (Required, Previous).

**ENG-490      Senior Seminar      3.00-**

Departmental seminar for majors in English. Students will extend their understanding of issues critical to English studies by preparing critical and creative work for the senior portfolio. Incorporates the general education senior topic and text.  
take 94 credits (Required, Previous). | ENG-250 (Required, Previous).

**ENG-499      Independent Study      2.00-3.00**

Guided readings and research.

**ENG-L01      English Composition Lab      1.00-**

This course is designed to support the work of ENG-101 writers by providing individualized instruction tailored to the writer's specific needs. The tutorial instruction is not designed for students with weak mechanical skills. While the emphasis will differ from writer to writer, upon completing this course, students will know how to: 1) strengthen and demonstrate critical thinking and reading skills necessary to succeed at college-level writing; and 2) develop structures that allow for the complex treatment of ideas. If placement testing indicates registration in ENG-L01, the student must successfully complete the lab hour with a grade of C or better in order to pass ENG-101.  
ENG-101 or ENG-112 (Required, Concurrent).

**ENG-L10      Writing Tutorial      1.00-3.00**

ENG L10/20/30/40 is lab time providing individualized instruction tailored to a writer's specific needs at any point during undergraduate coursework. The tutorial is designed for students who want additional support in realizing targeted goals for specific writing situations. ENG lab hours (excluding L01) may be taken for up to a total of six hours credit. S/U.

**ENG-L12      Writing Tutorial      1.00-**

This course is designed to support the work of ENG-112 writers by providing individualized instruction if

necessary to progress beyond 100-level expectations for writing. Upon completing this course, students: 1) demonstrate critical thinking and reading skills necessary to succeed at college-level writing; and 2) develop structures that allow for the complex treatment of ideas. [If placement testing requires registration in ENG-L12, the student must successfully complete the lab hour with a grade of C or better in order to pass ENG-112; successful completion of this lab hour requires successful completion of ENG-112.

**ENG-L20          Writing Tutorial          1.00-3.00**

ENG L10/20/30/40 is lab time providing individualized instruction tailored to a writer's specific needs at any point during undergraduate coursework. The tutorial is designed for students who want additional support in realizing targeted goals for specific writing situations. ENG lab hours (excluding L01) may be taken for up to a total of six hours credit. S/U.

**ENG-L30          Writing Tutorial          1.00-3.00**

ENG L10/20/30/40 is lab time providing individualized instruction tailored to a writer's specific needs at any point during undergraduate coursework. The tutorial is designed for students who want additional support in realizing targeted goals for specific writing situations. ENG lab hours (excluding L01) may be taken for up to a total of six hours credit. S/U.

**ENG-L40          Writing Tutorial          1.00-3.00**

ENG L10/20/30/40 is lab time providing individualized instruction tailored to a writer's specific needs at any point during undergraduate coursework. The tutorial is designed for students who want additional support in realizing targeted goals for specific writing situations. ENG lab hours (excluding L01) may be taken for up to a total of six hours credit. S/U.

**ENV-170          Introduction to Environmental Science 3.00-**

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Three lecture hours per week. Taken in conjunction with ENV-171, this course satisfies the general education requirement in the scientific knowledge category.

**ENV-171L          Introduction to Environmental Science Lab          1.00-**

Application of environmental studies methods, through field and laboratory exercises. Emphases include ecosystem function, aquatic ecology, and environmental impact measurement. One three-hour lab period. Taken in conjunction with ENV-170, this course satisfies the general education requirement in the scientific knowledge category.

ENV-170 (Recommended, Concurrent).

**ENV-172          Intro to Environmental Science 4.00-**

This course examines the biological principles underlying the use, conservation and preservation of

natural resources, covering such topics as management of harvested populations, pest management, biodiversity, conservation of endangered species, climate change, human demography, nutrient cycles and pollution. This course is only offered in the MAP program.

**ENV-280 Special Topics in Environmental Science 1.00-3.00**

Special topics as deemed necessary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ENV-380 Special Topics in Environmental Science 1.00-3.00**

Special topics as deemed necessary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ENV-480 Special Topics in Environmental Science 1.00-3.00**

Special topics as deemed necessary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ESS-120 Biophysical Values of Activity 3.00-**

A study of exercises, preparation and supervision of exercise programs, isotonic, isometric and plyometrics programs, interval and circuit training, principles of caloric expenditure, healthful techniques of weight loss and weight gain, and methods of class presentation.

**ESS-170 Fitness and Wellness 2.00-**

This course is designed to teach the student the role of physical activity and fitness in maintaining adequate health and improved quality of life. Students will also learn how to assess, develop and implement a complete lifetime fitness and wellness program and its components.

**ESS-230 First Aid 2.00-**

Methods of rendering aid in case of sudden illness or accident. The student receives instruction on how to care for himself as well as others in emergency situations. Methods of maintaining optimal health are introduced. Instruction on how to perform CPR (cardio-pulmonary resuscitation) is provided. Fee required.

**ESS-236 Basic Human Nutrition 3.00-**

Basic Human Nutrition - in this course, students will be exposed to all the basic aspects of human nutrition and to the relationships between nutrition, health, and disease prevention.  
BIO-203 or BIO-204 or CHE-100 or ESS-120 or PBH-201 (Required, Previous).

**ESS-245 Theory of Speed and Athletic Development 3.00-**

The study of the principles and methodologies to enhance speed and athletic performance. Emphasis on the concepts of periodization of training as it relates to preseason, competitive season, and off-season goals. Topics include anatomical and physiological foundations of speed development, evaluation and

assessment protocols, exercise techniques, and safety.

ESS-120 (Required, Previous).

**ESS-250 Group Fitness Activities 3.00-**

This course is designed to provide students with an overview of the educational concepts, techniques, program design, and leadership skills needed to teach group activities programs. The course provides an overview of essential safety and risk management procedures to enable the student to lead a safe and effective exercise program as well as practical application of various instructional formats.

**ESS-252 Integrative Health and Wellness 2.00-**

An examination of the use of specific integrative and alternative interventions based on evidence-based research to help students apply this knowledge while educating clients in making wellness decisions. Historical, theoretical, practical, and present integrative health care practices and the effects of these practices on health, fitness, and wellness of body, mind, & spirit in acute and chronic conditions are investigated.

ESS-120 (Required, Previous).

**ESS-260 Practicum Sport Performance 3.00-**

This course is intended to be a practical experience course for the fitness professional field. The SP student will spend time observing and assisting a fitness professional in the field. The SP will gain a better understanding of the career opportunities and requirements and skills of professionals in the field. Graded S/U.

ESS-120 (Required, Previous). | ESS-170 (Required, Previous). | ESS-245 (Required, Previous).

**ESS-265 Structural Anatomy 3.00-**

This specialized course will consist of an in-depth study of the human skeletal system, articular (joint) system, and the system of skeletal muscles (structure, function, and interaction). It is designed to prepare students for the classes that are required for sport performance and physical education teacher education programs and assist in the preparatory programs in pre-physical therapy and pre-athletic training.

ESS-120 (Required, Previous).

**ESS-270 Nutritional Principles for Sport and Exercise 3.00-**

Study of the nutritional needs of the athlete and active person. Emphasis includes: fat, carbohydrate, protein, vitamin, mineral and water needs of the active person; energy metabolism, food and fluid intake prior to, during and after exercise; nutritional management of anemia and diabetes; nutrient needs of the young and old athlete.

ESS-120 (Required, Previous).

**ESS-280 Special Topics Exercise Science 1.00-3.00**

Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ESS-310 Sport Facility and Event Management 3.00-**

A study on how to function, in a systematic and organized manner, as a director of events in a sport

facility; how to manage facility and equipment as a sport director. Cross-listed as BUS-311.

**ESS-335 Fitness Testing and Exercise Prescription 3.00-**

Principles and practices of prescribing exercise to healthy individuals, and individuals with life-style and congenital conditions such as cardiac problems, asthma, diabetes, pregnancy, and physical disabilities. Included in the topics will be proper avenues of using screening tests and fitness parameters to design proper fitness activities to all populations.

ESS-351, 352, 375 or ESS-351, 353 (Recommended, Previous).

**ESS-336 Nutrition and Disease Prevention 3.00-**

In this course, students will be exposed to the most significant chronic and nutritional diseases of our time, notably obesity, cardiovascular disease, diabetes, gastrointestinal disease, cancer, and a broad range of nutritional diseases-with specific attention placed on nutritional anemias.

ESS-236 (Required, Previous).

**ESS-340 Sport Psychology 3.00-**

See PSY-340.

PSY-101 or PSY-220 (Required, Previous).

**ESS-341 Exercise Psychology 3.00-**

See PSY-341.

PSY-101 or PSY-220 (Required, Previous).

**ESS-342 Clinical Aspects of Nutrition and Wellne 3.00-**

Clinical application of knowledge, skill, and attitude to provide health promotion and disease prevention for individuals, families, and communities in various settings. In addition to the classroom activities, students will be required to complete 45 hours in clinical, where they will have practical experience in the promotion of nutrition and wellness.

ESS-336 (Required, Previous). | PBH-201 (Required, Previous). | ESS-252 (Required, Previous).

**ESS-342L Clinical Aspec. of Nutr & Well Lab -**

Clinical Aspec. of Nutr & Well

ESS-342 (Required, Concurrent).

**ESS-350 Coaching and Personal Training 3.00-**

In this course, students will be exposed to all the important aspects of personal training. In addition to the classroom activities, students will be required to participate in a four-week practicum where they will actually gain practical experience in coaching and personal training.

ESS-120 (Required, Previous). | ESS-351 and ESS-352 (Recommended, Previous or concurrent).

**ESS-351 Kinesiology 3.00-**

A study of the functions of muscles in various movements, locations, and types. The study of articulations and their anatomical limitations. The student studies a kinesiological analysis of several activities. The lecture portion of the class will meet for 2 hours per week and the lab will meet for a 2 hour session. Cross listed as BIO-351.

ESS-120 (Required, Previous). | ESS-265 or BIO-225 (preferred) (Required, Previous).

**ESS-351L      Kinesiology Lab      -**

Kinesiology Lab

ESS-351 (Required, Concurrent).

**ESS-352 Physiology of Exercise    2.00-**

The student studies the description, analysis, and comprehensive change that the systems of the body undergo while at rest and at exercise. Body changes that occur in body systems from rest to exercise, both permanent and temporary, are studied. Cross-listed as BIO-352.

ESS-120 (Required, Previous). | BIO-226 or BIO-334 (Required, Previous). | CHE-100 or CHE-151 or CHE-140 (Required, Previous).

**ESS-352L      Physiology of Exercise Lab    1.00-**

ESS-352 lab.

ESS-352 or ESS-550 (Required, Previous or concurrent).

**ESS-353 Sport Physiology          4.00-**

This course is a survey of Sport Physiology as it relates to fitness, performance and health. Topics include neuromuscular, metabolic, cardiovascular, pulmonary, and muscular responses to exercise, the methods for improving exercise performance and special considerations that are specific to the science of sport physiology. Coursework will focus on application of knowledge into practical skills designed to improve performance and health enhancement.

**ESS-353L      Sport Physiology Lab      -**

Sport Physiology Lab

ESS-353 (Required, Concurrent).

**ESS-355 Care and Prevention of Athletic Injuries      3.00-**

Study of factors which affect maximum human performance in athletic competition. Techniques in shielding the athlete from possible damaging sequelae and in restoring him/her to maximum performance after injury. Consideration of the kinesiological, physiological, and behavioral factors in athletics.

BIO-225 or ESS-265 (Required, Previous).

**ESS-360 Internship      1.00-3.00**

Practical real-world experiences related to the academic content or career aspirations associated with the degree path the student has chosen. For students on a track towards a health profession, it is common for this to take the form of job or career shadowing. For students on a track towards an external clinically-related certification, it is common for this to be some sort of a supervised clinical experience. This course may be repeated for an accumulated total of 12 credits. No more than 3 credits may count toward the credits required in the major.

ESS-120 (Required, Previous). | ESS-351, 352, 375 OR ESS-351, 353 (Recommended, Previous).

**ESS-370 Personal and Community Health and Safety    3.00-**

An investigation into personal and community health problems. Course work is focused on preparing the individual to teach health at the high school level. Cross listed as HPE-370.



**ESS-371 Nutritional Science 3.00-**

In this course, students will be exposed to the full range of the scientific bases on which the field of nutrition is based. This will include, but is not limited to, the biochemical and physiological aspects of nutrition, how nutrition overlaps with energy metabolism and energy balance, and a thorough exploration of the major components of dietary molecules, vitamins, and minerals. (FAL)  
#Take ESS-120 (Required, Previous). | #Take ESS-236; (Required, Previous).

**ESS-375 Scientific Principles of Strength & Conditioning 2.00-**

The scientific principles and procedures involved in the assessment of physical fitness and exercise prescription. Primary topics include: cardio-respiratory endurance, muscular fitness, body weight and composition, flexibility, and pre-cardiovascular training screening.

ESS-120 (Required, Previous). | ESS-351 (Required, Previous). | ESS-352 (Required, Previous).

**ESS-375L Scientific Principles of Strength and Conditioning Lab 1.00-**

ESS-375 lab.

ESS-352 and ESS-352L (Required, Previous). | ESS-375 or ESS-550 (Required, Previous or concurrent).

**ESS-380 Special Topics in Ess 1.00-3.00**

A special topic addressing a current interest or subject in sport management or health and physical education. May be offered for one to three credits. May be repeated if content varies. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ESS-390 Path-Specific Certification Review 2.00-**

In this course, students will cover all the study materials required to pass the certification of their choice. At the conclusion of the preparation period, the student will be prepared to actually take the certification exam.

ESS-120 (Required, Previous). | Sophomore class standing (30 credits) (Required, Previous). | ESS-350 or ESS-351 or ESS-352 or ESS-353 (Recommended, Previous or concurrent).

**ESS-411 Biochemistry and Metabolism 4.00-**

The student learns how exercise, in its many forms, changes the ways in which our bodies function at the molecular level. Using basic chemical and biochemical principles and tools, every aspect of exercise physiology is explained from the atomic through the molecular level.

CHE-151, CHE-152, CHE-305, OR CHE-306. (Required, Previous). | BIO-203, BIO-204L, ESS-352, ESS-375, PHY-110, and PHY-111L. (Recommended, Previous).

**ESS-412L Biochemistry and Metabolism Lab 2.00-**

The student learns how to apply basic laboratory methodologies to examine the underlying biochemistry and metabolism for the molecular, cellular, or organ-level responses resulting from acute and/or chronic exposure to exercise or its converse, disuse.

ESS-411 (Required, Concurrent).

**ESS-420 Tests and Measurements in Phys. Education 3.00-**

Designed for the health and physical education major with emphasis on techniques of test administration and application to results of physical performance activity programs. Content of course

includes: statistical methods in measures of central tendency, measures of variability, z scores, correlation coefficient, t-tests, and chi square. Cross-listed as HPE-420.

**ESS-434 Seminar in Physiology of Exercise 3.00-**

During this course, students will be exposed to the full range of the most important structural and metabolic aspects of the acute responses to human physical exercise and the adaptations that occur following chronic exposure to physical training as well as the adaptations to disuse and inactivity. This presentation will presume complete familiarity with medical-level physiology and biochemistry. Each topic will be presented via reading and discussing the most important and relevant peer-reviewed publications. Three lecture hours per week. Cross-listed as BIO-434.

BIO-226 or BIO-334 (Required, Previous). | BIO-310 or BIO-311 (Required, Previous). | ESS-352 (Recommended, Previous or concurrent).

**ESS-434L Advanced Physiology of Exercise Lab -**

ESS-434 lab. Cross-listed as BIO-434L.

BIO-434 (Required, Concurrent).

**ESS-445 Clinical Aspects of Exercise Physiology 3.00-**

In this course, students will be exposed to the role of exercise and exercise prescription in clinical settings. It will include, but not be limited to, aspects of cardiovascular function, pulmonary function, and central issues such as control of blood pressure and aging.

ESS-120 (Required, Previous). | ESS-352 and 375 or ESS-353 (Required, Previous or concurrent). | BIO-226 or BIO-334 (Recommended, Previous).

**ESS-470 Nutritional Biochemistry 3.00-**

In this course, students will be exposed to the biochemistry of nutrition. Students will develop an understanding of the absorption, metabolism, and biochemical roles of macronutrients, micronutrients, vitamins, and minerals. Cross-Listed as BIO-470.

CHE-305 (Required, Previous). | BIO-204 or ESS-120 (Required, Previous). | CHE-306; (Recommended, Previous or concurrent). | BIO-310 or BIO-311 (Recommended, Previous or concurrent). | ESS-352 or ESS-434 (Recommended, Previous or concurrent).

**ESS-475 Advanced Strength and Conditioning 3.00-**

In this course, students will be exposed to advanced concepts of strength and conditioning. The goal is to prepare students to apply these concepts to program analysis and then to the construction of effective programs.

ESS-120 (Required, Previous). | BIO-226 or BIO-334 (Required, Previous). | ESS-352 or ESS-434 (Required, Previous). | ESS-375 (Recommended, Previous or concurrent).

**ESS-480 Special Topics in Exercise Science 1.00-3.00**

A special topic addressing a current interest or subject in exercise or sport science. May be offered for one to three credits. May be repeated if content varies. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**ESS-490 Senior Seminar 3.00-**

A capstone course for seniors majoring in any of our four majors: Nutrition, Fitness, and Wellness, Sport Performance, Exercise Science, or Physiology of Exercise. Students read and report on writings in any area relevant to their major with Exercise and Sport Sciences ESS. The skill of summarizing, analyzing, and applying this information to the chosen field of endeavor is emphasized. Integrates the general education theme and readings. These skills are demonstrated in both written and oral presentations. The senior comprehensive (contained within ESS-490) is a literature review and poster presentation.

**ESS-498 Research Project 1.00-3.00**

Under the guidance of a faculty mentor, each student will participate in a real-world research project related to at least one aspect of the academic program. This can be an individual project or part of a larger project connected to one of our external partners. At the end of each semester, the student will make a formal oral presentation of their findings. Research deemed to be of sufficient quality by the faculty mentor may be incorporated into a manuscript to be submitted for publication.

ESS-351, 352, 375 OR ESS-351, 353 (Recommended, Previous).

**ESS-499 Independent Study 1.00-4.00**

Guided readings and research.

**ESS-510 Biochemistry and Metabolism 4.00-**

The student learns how exercise, in its many forms, changes the ways in which our bodies function at the molecular level. Using basic chemical and biochemical principles and tools, every aspect of exercise physiology is explained from the atomic through the molecular level.

**ESS-524 Medical Physiology 4.00-**

The content of this course will provide a full description of all the essential aspects of human physiology. The depth of this course is designed to prepare students for the integrative physiology normally presented in veterinary, dental, or medical schools, or graduate programs in physiology. Four lecture hours per week.

ESS-410 or ESS-510 (Required, Previous).

**ESS-534 Seminar in Physiology of Exercise 3.00-**

This course presents students with the structural and metabolic aspects of the adaptations to human physical exercise. Both acute and chronic adaptations to exercise as well as disuse will be addressed. This presentation will presume complete familiarity with medical-level physiology, biochemistry, and metabolism.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524; (Required, Previous). | ESS-550 (Required, Previous).

**ESS-535 Clinical Exercise Testing 3.00-**

The student learns how to conduct and analyze the results from a wide range of clinical exercise physiology measurement modalities.

ESS-410 or ESS-510; (Required, Previous). | BIO-334 or ESS-524; (Required, Previous). | ESS-550 (Required, Previous).

**ESS-536 Nutrition and Disease Prevention 3.00-**

In this course, students will be exposed to the most significant chronic and nutritional diseases of our time, notably obesity, cardiovascular disease, diabetes, gastrointestinal disease, cancer, and a broad range of nutritional diseases-with specific attention placed on nutritional anemias.

ESS-410 or ESS-510; (Required, Previous). | BIO-334 or ESS-524; (Required, Previous). | ESS-550 (Required, Previous).

**ESS-544 Seminar in Clinical Exercise Physiology 3.00-**

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524 (Required, Previous). | ESS-550 (Required, Previous).

**ESS-545 Clinical Exercise Physiology 3.00-**

The student learns all of the interactions between the acute and chronic exercise stimulus and the disease states that might respond positively to chronic exercise.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524 (Required, Previous). | ESS-550 (Required, Previous).

**ESS-545L Clinical Exercise Physiology Laboratory 1.00-**

The student learns all of the interactions between the acute and chronic exercise stimulus and the disease states that might respond positively to chronic exercise.

ESS-545 (Required, Concurrent).

**ESS-550 Acute and Chronic Exposures to Exercise 4.00-**

The student studies the description, analysis, and comprehensive change that the systems of the body undergo during the rest to exercise transition and the nature of the adaptations that occur after long-term chronic exposures to exercise.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524 (Required, Previous).

**ESS-554 Exerc Prescrip for Patients Chro Disease 3.00-**

The student learns all of the interactions between the acute and chronic exercise stimulus and chronic disease states.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524 (Required, Previous). | ESS-550 (Required, Previous). | ESS-545 (Required, Previous).

**ESS-555 Cardiovascular Clinical Exercise Physiol3.00-**

The student learns all of the interactions between the acute and chronic exercise stimulus and cardiovascular disease states.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524; (Required, Previous). | ESS-550 (Required, Previous). | ESS-545 (Required, Previous).

**ESS-570 Nutritional Biochemistry 3.00-**

In this course, students will be exposed to the biochemistry of nutrition. Students will develop an understanding of the absorption, metabolism, and biochemical roles of macronutrients, micronutrients, vitamins, and minerals. Assessment and evaluation of general supplements will also be discussed.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524 (Required, Previous). | ESS-550 (Required, Previous).

**ESS-590 CEP Exam Preparation 3.00-**

The student is guided through the preparation for the Clinical Exercise Physiologist certification exam offered by the American College of Sports Medicine. This course is graded S/U.

ESS-410 or ESS-510 (Required, Previous). | BIO-334 or ESS-524 (Required, Previous). | ESS-545 (Required, Previous). | ESS-550 (Required, Previous).

**ESS-591 CEP Exam Prep Presentation 1.00-**

In this course, students who have prepared for the Clinical Exercise Physiologist certification exam offered by the American College of Sports Medicine will present a summary of their preparation. This course is graded S/U.

ESS-590 (Required, Previous).

**ESS-600 Research Methods and Design 2.00-**

This course will guide students in the conceptualization, design, and justification of future research studies. Students will generate novel hypotheses supported by published and preliminary data. Students will design experiments to test those hypotheses and present these in a single, cohesive piece of writing. Students will further develop their project proposals to incorporate specific experimental methods with potential pitfalls, alternative approaches, and feasibility analyses. Satisfactory completion of this course will be required for beginning master's level research.

ESS-510 (Required, Previous). | ESS-524 (Required, Previous).

**ESS-601 Research 1.00-12.00**

Independent master's level research. This course is graded S/U.

ESS-600 and faculty permission (Required, Previous).

**ESS-602 Thesis Defense 1.00-**

Production and defense of a thesis based on master's level research. This course is graded S/U.

ESS-600 (Required, Previous). | ESS-601 and faculty permission (Required, Previous).

**FIN-111 Personal Finance 3.00-**

Introduces personal finance and the financial planning process. Study includes budgeting and cash management, credit and debt management, tax management, major purchase and housing expenditures, insurance fundamentals, investment fundamentals, retirement and estate planning. Financial calculators and computer applications are utilized.

**FIN-180 Special Topics in Finance 1.00-3.00**

Selected topics applying to the study of finance. Course subjects are announced at the time of pre-registration and may be repeated for different topics. The current economic and business environments will generate topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**FIN-280 Special Topics in Finance 1.00-3.00**

Selected topics applying to the study of finance. Course subjects are announced at the time of pre-registration and may be repeated for different topics. The current economic and business environments will generate topics. Current and previous special topic course descriptions can be viewed on the

Registrar's website - Registration Resources page.

**FIN-310 Managerial Finance 3.00-**

Focuses on the financial functioning of business enterprises. Topics covered include organizational forms, the financial marketplace, the international financial marketplace, ratio analysis, time value of money, the risk/return tradeoff, fixed-income securities, common stock securities, and capital budgeting. Financial calculators and cases are utilized. This course is only offered in the MAP program. ACC-211 or ACC-250 (Required, Previous).

**FIN-311 Advanced Corporate Finance 3.00-**

Focuses on the financial functioning of business enterprises. Topics covered include the cost of capital, capital structure, dividend policies, working capital management, intermediate-term funding, options, leases, and corporate restructuring. Financial calculators and cases are utilized. ACC-250 (Required, Previous). | BUS-309 or FIN-310 (Required, Previous).

**FIN-350 Money and Banking 3.00-**

Introduces the financial market environment, the Federal Reserve System and monetary policy, and the major security markets. Study includes the roles of financial markets and interest rates, the functions of the Federal Reserve System and its monetary theory and policy, money markets, bond markets, mortgage markets, and stock markets. BUS-109 or ECN-201 or ECN-202 (Required, Previous).

**FIN-352 Public Finance 3.00-**

This course provides students with a project-oriented introduction to public finance. Topics covered typically include an introduction to government finance and overview of the United States' revenue system, phases in the federal budget cycle, the design of the tax system, budget balance and the consequences of government debt, reasons for government intervention in the marketplace, cost-benefit analysis of government investment and government programs, and current policy debates (e.g., income support for the poor, education, social security, the government and health care). BUS-209 (Required, Previous).

**FIN-356 Real Estate 3.00-**

Covers the mastering of basic real estate principles and the transfer of real estate. Teaches practical knowledge related to the purchasing and leasing of residential, commercial and investment property. Study includes financing, title insurance, legal considerations, options, contract purchases, purchase money mortgages, tax ramifications and other real estate issues. FIN-310 or BUS-109 (Required, Previous or concurrent).

**FIN-357 Risk and Insurance 3.00-**

Studies risk management and the nature of risk, insurance as a method of dealing with risk, and insurance as a social and economic institution. Topics include property, liability, life, health and social insurances. FIN-310 or BUS-109 (Required, Previous).

**FIN-358 Student Managed Venture Fund 3.00-**

This course provides students with an opportunity to make actual investments in local companies, while

managing the Clark H. Byrum School of Business Venture Fund. Students become venture capitalists for a semester, meeting with local companies, analyzing business plans and deciding which businesses to fund. Students also maintain a record of the fund's investments and returns. This course can be repeated and fulfills the elective business experience requirement. The course may be repeated a second time and count as an upper level finance course.

BUS-209 (Required, Previous). | ACC-250 (Required, Previous).

**FIN-360 Investments 3.00-**

Studies the fundamentals of investments and how they are analyzed and evaluated. This course focuses on security selection, portfolio diversification, and asset allocation. Topics also covered include techniques, vehicles, and strategies for implementing investment goals in light of risk-return tradeoffs. BUS-205, MKT-240, and MGT-250 (Required, Previous). | FIN-310 or BUS-205, MKT-240, and MGT-250 (Required, Previous).

**FIN-380 Special Topics in Finance 1.00-3.00**

Selected topics applying to the study of finance. Course subjects are announced at the time of pre-registration and may be repeated for different topics. The current economic and business environments will generate topics. May be offered for one to three credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**FIN-411 International Finance 3.00-**

This course helps students identify and solve problems that arise when cash flows are denominated in a foreign currency. The topics addressed in the course include foreign currency markets, exposure to foreign currency risk, hedging exposure foreign currency risk with futures, option and swap contracts, and valuation of cross-border capital investment opportunities. Many concepts can be applied from both a financial manager's perspective within a multinational corporation and from a portfolio manager's perspective.

BUS-309 (Required, Previous).

**FIN-420 Financial Institutions 3.00-**

An analysis of the commercial banking system in the United States, the international banking system and other nonbank financial institutions. Study includes commercial bank sources and uses of funds, bank regulation, bank management and performance, and banking in foreign countries. Also, nonbank financial institutions are studied, including savings institutions, credit unions, finance companies, mutual funds, securities firms, pension funds, and insurance companies. This course is only offered in the MAP program.

FIN-310 (Required, Previous).

**FIN-430 Advanced Investments 3.00-**

This course covers concepts and techniques associated with managing an investment portfolio. An applied approach is utilized to demonstrate key factors in the relationship between risk and return. The study of valuation, optimal portfolio construction, and risk measurement/management techniques are emphasized. May count for elective business experience.

FIN-360 (Required, Previous).

**FIN-455 Cases in Accounting and Finance 3.00-**

Serves as the senior capstone course for accounting and finance majors. The case method of instruction is utilized to analyze, present, and defend financial management cases. The case analysis involves the stages of investigation, design, and implementation of financial management theory applied within the team dynamic. Case study includes financial statements and time value of money, financial analysis and forecasting, working capital management, capital budgeting, long-term financing, and professional ethics. The American Institute of Certified Public Accountants (AICPA) and the Certified Financial Planner Board of Standards Codes of Ethics and Professional Responsibility are also studied. Cross-listed as ACC-455.

Junior class standing (62 credits) (Required, Previous).

**FIN-460 Internship in Finance I 3.00-**

Designed to give qualified upper division accounting and finance majors on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All co-op placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. Student may enroll for three to nine credits. Graded S/U.

**FIN-461 Internship in Finance II 3.00-**

Designed to give qualified upper division accounting and finance majors on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All co-op placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. May enroll for three to nine credits. Graded S/U.

**FIN-462 Internship in Finance III 3.00-**

Designed to give qualified upper division accounting and finance majors on-the-job educational experiences. It is an introduction to a practical, supervised work experience that is related to the student's area of study. Placement is arranged after application, interview, and approval by the department faculty. The student and the employer give periodic reports and evaluations. All co-op placements are paid positions. A minimum of 180 hours of actual work experience is required to earn three credits. Credits earned in these courses are not included in the 40-credit limit in the major. May enroll for three to nine credits. Graded S/U.

**FIN-480 Special Topics in Finance 1.00-3.00**

Selected topics applying to the study of finance. Course subjects are announced at the time of pre-registration and may be repeated for different topics. The current economic and business environments will generate topics. Current and previous special topic course descriptions can be viewed on the



Registrar's website - Registration Resources page.

**FIN-499 Independent Study in Finance 1.00-3.00**

Guided study and/or research in finance.

**FRE-101 Introduction to French I 4.00-**

Introductory study of the French language with emphasis on building an adequate vocabulary and sense of structure to carry out routine tasks and engage in simple conversation. The course is designed to help the student ask and answer questions about familiar topics and handle basic social situations, write simple sentences, and learn about aspects of everyday culture in the French-speaking world. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

Placement (Required, Previous).

**FRE-102 Introduction to French II 4.00-**

Continued practice in and expansion of skills in listening comprehension, speaking, reading and writing. The course is designed to help the student satisfy minimum courtesy, introduction and identification requirements, maintain simple face-to-face conversations on familiar topics, understand the main ideas in simple connected texts, and learn how cultural differences affect one's experiences of the world. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

FRE-101 or FRE-102P (Required, Previous).

**FRE-200 Intermediate French I 3.00-**

Continued development of proficiency in communication skills. The course is designed to help the student participate in simple conversations on topics such as personal history and leisure-time activities, read consistently with increased understanding simple connected texts, write short narratives about familiar topics and demonstrate an understanding of cultural differences and/or similarities in a world view. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

FRE-102 or placement (Required, Previous).

**FRE-201 Intermediate French II 3.00-**

Continues the review of basic structural elements of the French language and provides a context for students to develop consistency in understanding and correct usage. The course is designed to help the student initiate, sustain and close a general conversation, read consistently with full understanding simple connected texts and get some main ideas from texts featuring description and narration, write about personal experience and appreciate culture-based values in the francophone world. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

FRE-200 or placement (Required, Previous).

**FRE-220 Readings in Contemporary French Culture 3.00-**

Development of skills required to read for information and to analyze written materials of average difficulty. Readings comprise prose fiction, newswriting, articles of cultural or historical interest, and

simple technical material written for the general reader. Video newscasts are reviewed periodically. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

FRE-201 or placement (Required, Previous).

**FRE-230 Oral Communication in French 3.00-**

In this community-engaged course, students will develop speaking and listening strategies by engaging in conversation both inside and outside of the classroom. They will acquire effective oral communication techniques, prepare and deliver brief oral reports, and debate topics of civic and personal interest. Through the use of authentic materials such as video, audio recording, and interactions with native speakers, students will practice their speaking and listening skills. Class is taught in French.

FRE-201 or placement (Required, Previous).

**FRE-280 Special Topics in French 1.00-3.00**

Study of a selected topic in French current affairs, business, cultural expression or literary works involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in French and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**FRE-310 Written Communication in French 4.00-**

Development of and practice in correct application of French language and structure through written expression. Writing exercises include social and business correspondence (interpersonal), as well as well-structured summaries, narratives, or critiques (presentational). Writing strategies lead students to write in French coherently and convincingly, to read and think critically, and to edit and revise their own work through peer review. Class is taught in French.

FRE-201 or placement (Required, Previous).

**FRE-315 France: the Story of a Nation 3.00-**

The course examines the evolution of French civilization, its institutions and cultural expression from the Gauls to the Fifth Republic. The evolution from monarchy to Republic, in the movement of ideas, in social conventions, and in literary and artistic achievement identifies France as a political and cultural center in Europe. Class is taught in French.

FRE-201 OR FRE-ADV (Required, Previous).

**FRE-316 France and the French Today 3.00-**

The course presents a multi-faceted view of the continuing evolution of France and the French people since the inauguration of the Fifth Republic in 1958. Important influences include the role of France in Europe and in international organizations, the economy, the feminist movement, the changing demographics due to immigration, the expanded influences of Francophonie and modern technology. Class is taught in French.

FRE-201 or placement (Required, Previous).

**FRE-320 Cinema: Experiment, Technique, and Art 3.00-**

The course will trace the development of film as an art form in France since early experiments by Louis and Auguste Lumiere in the 19th century. The student will view and analyze French films from the 1930's to the present, particularly those which represent the master works of filmmakers, directors and actors. Through reading films, the class will determine how craft, technique, science and imagination mesh in artistic creation. Class is taught in French.

FRE-201 or equivalent (Required, Previous).

**FRE-330 French Business Culture 3.00-**

Study of a selected topic in French current affairs, business, cultural expression or literary works involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in French and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once.

FRE-201 or placement (Required, Previous).

**FRE-331 French for the Professions 3.00-**

In this course, students will examine professional interactions and forms of communication in the French-speaking world. Business scenarios such as business trips, transportation, advertising, and etiquette at French business conventions will provide students with the professional vocabulary necessary. By engaging in hands-on activities, students will enhance their proficiency in oral and written communication skills while creating a professional portfolio.

FRE-201 or placement (Required, Previous).

**FRE-340 French Literature: the Novel 3.00-**

Study of the development of the novel in France with an analysis of works representative of major novelists and of literary periods.

FRE-220 (Required, Previous).

**FRE-345 French Literature: the Theatre 3.00-**

Study of the development of dramatic writing in France with an analysis of works representative of major dramatists and of literary periods.

FRE-220 (Required, Previous).

**FRE-360 Internship/Practicum in French 3.00-**

An approved internship or work experience using the student's proficiency in the French language. May enroll for one to six credits, a maximum of three credits may apply toward the major. Graded S/U.

Junior class standing (62 credits) (Required, Previous).

**FRE-380 Special Topics 1.00-3.00**

Study of a selected topic in French current affairs, business, cultural expression or literary works involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in French and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Current and

previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**FRE-480            Special Topics    1.00-3.00**

Study of a selected topic in French current affairs, business, cultural expression or literary works involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in French and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**FRE-499            Independent Study    2.00-3.00**

Guided readings and research.

**FYS-110            First Year Seminar    3.00-**

This seminar is a theme-based course for first year students, which integrates them into the academic life of Marian University. The seminar will provide students with the opportunity to expand their critical thinking, information literacy, collaborative learning, understanding of the Franciscan values, and other skills that develop students' intellectual and practical competencies. This course partially satisfies general education curriculum standards for foundational intellectual skills in written communication.

**FYS-H10            Honors First Year Seminar    3.00-**

This seminar is a theme-based course for first year students, which integrates them into the academic life of Marian University. The seminar will provide students with the opportunity to expand their critical thinking, information literacy, collaborative learning, understanding of the Franciscan values, and other skills that develop students' intellectual and practical competencies. This course partially satisfies general education curriculum standards for foundational intellectual skills in written communication.

**GER-101            Introduction to German I    4.00-**

Introductory study of the German language with emphasis on building an adequate vocabulary and sense of structure to carry out routine tasks and engage in simple conversation. The course is designed to help the student ask and answer questions about familiar topics and handle basic social situations, complete basic writing tasks, and learn about aspects of everyday culture in the German tradition. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

Placement (Required, Previous).

**GER-102            Introduction to German II    4.00-**

Continuation of vocabulary building and getting a sense of language structure. Practice in the skills of listening comprehension, speaking, reading, and writing. The course is designed to help the student

satisfy minimum courtesy, introduction and identification requirements, maintain simple face-to-face conversations on familiar topics, understand the main ideas in simple connected texts, and recognize how cultural differences affect one's experience of the world. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

GER-101 or placement (Required, Previous).

**GER-200 Intermediate German I 3.00-**

Continued development of proficiency in communication skills. The course is designed to help the student participate in simple conversations on topics such as personal history and leisure-time activities, read consistently with increased understanding simple connected texts, write short narratives about familiar topics, use correct word order, and demonstrate an understanding of cultural differences and/or similarities in a world view. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

GER-102 or placement (Required, Previous).

**GER-201 Intermediate German II 3.00-**

Continues the review of basic structural elements of the German language and provides a context for students to develop consistency in understanding and correct usage as they advance to connected discourse in German. The course is designed to help the student initiate, sustain and close a general conversation, read consistently with full understanding simple connected texts and get some main ideas from texts featuring description and narration, write about personal experience, and appreciate culture-based values in the German tradition. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.

GER 200 or placement (Required, Previous).

**GER-220 Narrative Prose in German 3.00-**

Development of skills required to read for information and to analyze written materials of average difficulty. Readings consist of selections from typical narrative prose of the nineteenth and twentieth centuries.

GER-201 (Required, Previous).

**GER-230 Oral Communication in German 3.00-**

In this community-engaged course, students will develop speaking and listening strategies by engaging in conversation both inside and outside of the classroom. They will acquire effective oral communication techniques, prepare and deliver brief oral reports, and debate topics of civic and personal interest. Through the use of authentic materials such as video, audio recording, and interactions with native speakers, students will practice their speaking and listening skills. Class is conducted in German

GER-201 (Required, Previous).

**GER-280 Special Topics in German 3.00-**

Study of a selected topics in German current affairs, business, film, literary works or other cultural expression involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in German and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website -

Registration Resources page.

**GER-310          Written Communication in German          3.00-**

Review of the essentials of German grammar with application to composition. The course is designed to help students write simple social correspondence, take notes, write cohesive summaries and resumes, as well as narratives and descriptions of a factual nature. Course taught in German.

GER-201 or placement (Required, Previous).

**GER-315          History of German Civilization          3.00-**

An introductory study of the German people; lectures, readings and discussions on their geographical, political, historical, social and artistic development.

GER-201 (Required, Previous).

**GER-317          Germany's Collective Memory in Lit, Film and Memorials          3.00-**

Germany's complex and catastrophic history has made it a country that reflects deeply on its own past and how this past has shaped its sense of collective national identity. In this course, we will examine how memory is "constructed" and what types of memory exist: private vs. collective and then communicative vs. cultural. We discuss German literature, films and memorials about the major historical events in Germany during the 20th century. English is the language of instruction. Students taking the course as GER-317 will do the readings and assignments in German. For students registered under LAC-317, readings and assignments are in English. Course discussions are in English. Cross-listed as LAC-317.

GER-201 (Required, Previous).

**GER-330          German Business Culture          3.00-**

This course will introduce students to the German business world, the larger political and socio-economic context within which it is rooted and provide students with an overview of Germany as a global market player. Students will learn about Germany's role in the EU as well as social, financial, environmental and cultural issues that inform German business practices. Cross-listed as BUS-333.

Take GER-201 or placement (Required, Previous).

**GER-331          German for the Professions          3.00-**

This course will provide students with the language and cultural skills necessary to negotiate various professional settings in German-speaking countries. Students will use business-specific German in professional contexts and develop a deeper understanding of German corporate culture and norms. Students will also produce relevant business documents such as resumes, cover letters and other professional correspondence.

GER-201 or placement (Required, Previous).

**GER-340          The German Novella          3.00-**

A survey of the development of the German novella, a literary genre which represents Germany's unique contribution to the European literature of the nineteenth-century.

GER-201 (Required, Previous).

**GER-345          The German Drama          3.00-**

Study of the development of German drama from its beginnings to twentieth-century dramas; selections

from representative dramatists of each period.

GER-201 (Required, Previous).

**GER-353            German Cinema: a Century in Motion    3.00-**

Introduction to German Cinema aims to provide students with a basic understanding of the history of German film and cinema from its early beginnings at the end of the 19th century to the present. While studying representative films from the German tradition students will explore issues related to film as an artistic medium which has had a profound impact on Germany's culture. We will explore 20th and 21st century German identity, culture, cultural memory, history and politics through the vehicle of film.

GER-201 (Required, Previous).

**GER-370            Survey of German Literature: Origins to 1800    3.00-**

Study of the important movements in German literature from its origins through the eighteenth-century. Reading and discussion of representative works, and the fundamentals of literary criticism.

GER-220 (Required, Previous).

**GER-371            Survey of German Literature: 1800 to Present    3.00-**

Basic literary survey from the early nineteenth-century to the present time. Special emphasis on representative selections and authors of note. Reading for understanding, including skills of summarization, explication, stylistics, and analysis.

GER-220 (Required, Previous).

**GER-380            Special Topics in German            3.00-**

Study of a selected topics in German current affairs, business, film, literary works or other cultural expression involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in German and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**GER-480            Special Topics in German            3.00-**

Study of a selected topics in German current affairs, business, film, literary works or other cultural expression involving a particular topic, theme, or genre. The selected topics or themes are publicized in the semester class schedule. Advanced communication skills developed through a study abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in German and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**GER-499            Independent Study            3.00-**

Guided readings and research.

**GLS-101          Global Perspectives          3.00-**

This course introduces students to the political, economic, cultural, and social processes that generate increasing interdependence and globalization. The course examines the global-local connections of contemporary issues and concerns, develops and encourages critical thinking about global issues, and introduces the college's Franciscan values as an interpretive framework for analysis and discussion.

**GLS-290          Model United Nations 2.00-**

This course explores the United Nations (UN), the world's forum for conflict resolution and global governance, focusing on the role of a particular member state. Students will learn about the organizational structure and processes of the UN as well as the foreign policy and positions of a specific country on key global issues. Students will role-play the representatives of that country at the UN in the classroom, and the learning experience will culminate with participation as delegates representing that country at a multi-day Model U.N. conference held in a major U.S. city (cities and regional conferences may vary). This course is open to all majors and has no prerequisites. Enhancement courses, such as GLS 290, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**GLS-356          Global/Local Food Narratives 3.00-**

See COM-356.

GLS-101 (Required, Previous).

**GLS-358          Religion and Globalization          3.00-**

The principal focus of this Global Issues Seminar will be an investigation into how globalization has impacted Christianity (Catholicism, Protestantism, and Pentecostalism), Islam, and Buddhism, as well as how these faiths are influencing globalization. The geographical focus will be Africa, Asia, and Latin America. Class will include field trips to various places of worship. Cross-listed as THL-358.

GLS-101 (Required, Previous). | THL-105 (Required, Previous).

**GLS-360          Global Studies Internship          3.00-**

Internationally focused internships can be internal or external to the college, in local, national, or international public, private, or non-profit sectors.

**GLS-361          Politics of the Global Economy 3.00-**

See POL-361.

**GLS-365          Topics in Global History          3.00-**

This course will provide students an opportunity to consider world history theoretically by engaging significant texts, intellectually through broad ideas with trans-cultural influence, and comparatively through case studies. Students will read texts from theorists such as Gayatri Chakravorty Spivak, Homi Bhabha, Edward Said, Ian Tyrrell, William H. McNeil, and Philip Curtin. They will contend with ways to conceptualize world history through ideas such as empire and revolution; trade and poverty; war and politics of the other. This course will attempt to immerse students in different historical periods and places through art, literature, film, and texts. It will introduce students to ways of seeing historically that



address time, scale, the personal as well as the political. The topics surveyed in the course will be flexible and change as the course is taught by different faculty in the history program.

GLS-101 (Required, Previous). | HIS-102 (Required, Previous).

**GLS-367            Cross-Cultural Psychology            3.00-**

This course addresses the impact of cultural diversity, across the globe, on the study of human behavior and the mind. Topics will cover cross-cultural research methods, ethnocentrism's effect on prejudice, basic psychological processes affected by culture, gender development, health communication, self development, mental disorder, and social and organizational behavior. Short response essays, journal analyses, an analytical paper, opinion surveys, and discussions will reinforce student learning in this course. Cross-listed as PSY-367.

GLS-101 or PSY-101 or PSY-220 (Required, Previous).

**GLS-375            Global Cinema 3.00-**

This course will examine trends in international cinema from its inception through the twentieth century with a particular emphasis on the depiction of human dignity. The course will meet twice a week for two and a half hours - half of which will be used for screening the film, and the other half devoted to lecture and discussion. The class will begin with German silent cinema and include films from France, Italy, Spain, Denmark, Sweden, Poland, India, China, Japan and Iran. Cross-listed as ENG-375.

**GLS-377            Global Health Issues and Interventions 3.00-**

See SOC-377.

GLS-101 or SOC-1010 (Required, Previous).

**GLS-380            Global Studies Seminar            3.00-**

Course includes readings, discussion, research, and writing on selected topics and themes from a particular academic discipline. The course may be cross-listed with a sponsoring department. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**GLS-480            Global Studies Seminar            1.00-3.00**

Course includes readings, discussion, research, and writing on selected topics and themes from a particular academic discipline. The course may be cross-listed with a sponsoring department. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**GST-200            Introduction to Gender Studies            3.00-**

This interdisciplinary course is designed to introduce students to the discipline of gender studies by examining the following topics, central to the study of gender: the social construction of gender and its relation to other social constructs like race and class; and the consequences of gender construction in terms of legitimizing power and creating and perpetuating inequality. In this course, students will examine the implications of gender constructs as they are applied to academic and public discourse and lived experience. This is a collaborative course in which the instructor of record will be joined by 6 or 8 other faculty members who will each preside over one week's classes, presenting course material in

lecture or seminar format and guiding student discussion. This course satisfies general education curriculum standards for behavioral and social knowledge.

**GST-210 Introduction to Gender Theory 3.00-**

This course is an overview of the major writers in feminist theory. Students will read the writings of influential feminists to examine how these writers have analyzed politics, identity, power, discourse and violence in light of changing global and historic conditions. Special attention will be paid to how theory informs a gendered understanding of social justice and liberating action in the contemporary world. GST-200 (Required, Previous).

**GST-301 Sex, Gender, and Sexuality 3.00-**

See SOC-305.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-302 Women and Power in American History 3.00-**

This course surveys the history of women in the United States from the period of European colonization to recent times, paying particular attention to the complex interactions of gender, race and class in women's lives. Reading will emphasize gender as an analytical tool and examine how power inequalities are organized along gender lines. Topics include: work, motherhood, marriage, voting, fashion, art, religion, activism.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-303 Gender and Literature 3.00-**

This course is a critical study of literature concerned with the construction of gender, sex, and sexuality as functions of identity and authority that interact with such other constructions as race, ethnicity, nationality, and class. Course content and pedagogy are informed by feminist critical theory.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-304 Feminist Theologies 3.00-**

To do theology from a feminist perspective is to be open to the ongoing, ever deepening understanding of the revelation of God. This course will examine the 40+ year history of the feminist voice in theology. A careful reading and analysis of the theological scholarship done on the role and voice of women in Christian history, scripture and tradition will be undertaken so as to have a fuller understanding of faith and humanity. Cross-listed as THL-323.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-305 Gender and European History 3.00-**

This course will provide an overview of gender and European History from 1789 to the present. Issues covered include: the origins of feminism, women and revolutions, families and the state, gender and the two world wars, Cold War constructions of masculinity/femininity, gender and imperialism, and contemporary European feminisms.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-306 Masculinity, Imagery, and the Production of Meaning 3.00-**

See ARH-306.

HUM-210 (Required, Previous). | GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-334 Modern Women Playwrights 3.00-**

See ENG-334.

ENG-112 (Required, Previous).

**GST-370 Women and Politics 3.00-**

See POL-370.

**GST-380 Special Topics in Gender Studies 3.00-**

Readings, discussion, research, and writing on selected topics in Gender Studies. Courses are designed and taught by faculty from diverse disciplines and departments. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-480 Special Topics in Gender Studies 1.00-3.00**

Readings, discussion, research, and writing on selected topics in Gender Studies. Courses are designed and taught by faculty from diverse disciplines and departments. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**GST-490 Senior Capstone 3.00-**

This course presents an opportunity for students to apply women's studies and gender theory to practice and synthesize their work as the final project in the GST minor. Students will arrange for an internship or volunteer placement at a nonprofit organization, business, or institution that incorporates a gender focus. This will be set up before the semester begins. A structured reflection forum to analyze experience and methods will meet on a weekly basis. Students will meet to think through relationships among empirical research, theory, activism, and practice in gender studies. Majors with diverse interests, perspectives, and expertise will have the opportunity to reflect on the significance of their gender studies education in relation to their current work, their academic studies as a whole, and their plans for the future.

GST-200 (Required, Previous). | GST-210 (Required, Previous).

**HIS-102 History of the Modern World 3.00-**

Study of the increasing contacts and interdependence of civilizations, 1500 to the present; the rise of the West, European reconnaissance and expansion, imperialism and decolonization, religion, science, and technology. This course satisfies general education curriculum standards in behavioral and social knowledge.

**HIS-207 European History From Enlightenment to The Present 3.00-**

This course explores the historical changes that have forged the "modern" Western world. It deals with major cultural, social, economic and political trends in European history from the Enlightenment to the present. Some of the main questions examined include how "modernity" developed in the West, the impact of the West's encounter with other peoples and cultures, and the development of modern, Western political ideas.

HIS-102 (Required, Previous).

**HIS-216 American History 1490-1864 Educators 3.00-**

This is a survey course of the first half of American history beginning with pre-Columbia America and going through the American Civil War. This course focuses on the major themes of political, social, economic, and cultural history, and examines the formation of the American nation-state. Students who take this course will gain a better understanding of the chronological order and content sections of early American history critical for history majors, minors, education majors, and those interested in deepening their understanding of America's past.

**HIS-217 United States History from 1865-Present Minors 3.00-**

This is a survey course of the second half of American history beginning with Reconstruction and going through to the present day. This course focuses on the major themes of political, social, economic, and cultural history, and examines the transformation of American democracy since the Civil War to today. Students who take this course will gain a better understanding of the chronological order and content sections of later American history critical for history majors, minors, education majors, and those interested in deepening their understanding of America's past.

**HIS-246 Teaching History 3.00-**

This course is an introduction to the methods and strategies of teaching history at the secondary level with specific emphasis on curriculum creation. Students will research history topics and create unit plans and classroom materials for their future classrooms. Emphasis will be placed on the planning and assessing of successful learning experiences for the history student at the secondary level. In this course, students will create lessons designed to facilitate high school students' historical understanding and habits of thinking historically.

**HIS-280 Special Topics in History 1.00-3.00**

Readings, discussion, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**HIS-299 Historiography 3.00-**

An inquiry into the nature, sources, and writing of history primarily through reading, discussion, field trips, and written work. Required of history majors, strongly recommended for the sophomore year. HIS-207 or HIS-217 (Required, Previous or concurrent).

**HIS-301 Historical Research Methods 3.00-**

This course will explore the theory and practice of history by investigating classical issues of historiography and extending the student's techniques of historical analysis and research. The course will help students identify and research a significant project that they will complete as part of their Senior Seminar experience. This course satisfies the writing intensive requirement in the student's major.

Junior standing (62 credits) (Required, Previous or concurrent).

**HIS-302 Women and Power in American History 3.00-**

There are many ways to examine the history of the United States—in this course, we will put women at

the center of the story. Most importantly, this class explores gender as a category of historical analysis. Through reading, writing and discussion, we will examine the roles of race and class in creating the gender identity of women in the United States, the ongoing political struggle to gain increased civil and political rights; the changing notions of “proper roles” for women and men; the development of different women’s movements. We have three major themes we will be exploring this semester: a) work and the sexual division of labor b) gender and the meaning of politics c) the role of family and motherhood.

HIS-102 (Required, Previous).

**HIS-303 Crime, Punishment, & Policing 3.00-**

See CRJ-371.

**HIS-304 Native American Culture History 3.00-**

See SOC-315.

**HIS-305 Gilded Age Progressive Era 3.00-**

From 1873 to 1920 American history was fraught with radical and often violent change. In this class students will learn about the end of Reconstruction, the emergence of Jim Crow era laws, the rise of global American imperialism, the shift to corporate capitalism, the height of the Suffragist movement, the incorporation of the American West in the United States, and the various social and political movements that altered the course of U.S. and then world history.

**HIS-306 Global Women's Movement 3.00-**

This course will examine the history of women's movements around the world in the last three centuries. We will examine the ways in which gender, race, nationality, culture, age, and other differences have impacted women's movements, as well as analyze the varied ways in which power and social control both created and complicated the process of political activism.

**HIS-307 Women's and Gender History 3.00-**

This course will focus on the experiences of and ideas about, women across the globe using specific regional case studies. By exploring gender as a category of historical analysis, the course will put women at the center of the story with a special emphasis on how gender has historically intersected with women's race, class, ethnic, sexual, and regional identities.

**HIS-310 History of the US Presidency 3.00-**

This course examines one of the most powerful elected offices in American democracy and global political history. From the office's creation in the 1780's to today, this political office has often been not only a major factor in contemporary issues, but also serves as a way for historians to organize and periodize the past by examining how different administrations approached various social, economic, and political issues. As such this course not simply examine the biographies of the office holders, but also study the issues, crises, and historical impact that has shaped this political office, and how that office in

turn has shaped world history.

**HIS-313 African History 3.00-**

This course focuses on the history of Sub-Saharan Africa from approximately the eighteenth century to the present. Because of the complexity and size of the African continent, the course does not attempt to provide a comprehensive history of each country, people, and region. Rather, it is organized chronologically and thematically, examining questions of race, gender, ethnicity, violence, environment, disease, and nationalism in the pre-colonial, colonial, and post-colonial contexts.

**HIS-316 History of Global Slavery 3.00-**

Starting in ancient times this course will survey the history of global slavery. The course will be paying particular attention to themes such as slaving, slave resistance, agency, labor, gender, economics, migration and family. We will work to identify commonalities and differences among slave systems, the reasons for those differences, and consider how scholars and others have viewed slavery over time.

**HIS-334 Cultural and Intellectual History of Europe 3.00-**

This course examines the important intellectual thinkers and movements of modern Europe. It outlines important political, cultural and ideological trends that have shaped European life from the Enlightenment to the present.

HIS 207 or HIS-217 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-335 Genocide in Comparative Hist Perspective 3.00-**

This course is a comparative study of mass killings in the twentieth century. It is divided into two sections. The first is an analysis of the definitions and typologies of mass killings followed by a discussion of the historical, social, and economic forces that explain them.

**HIS-336 Women and Gender in European History 3.00-**

This course examines the role of gender and women in modern European and modern North American history from the Enlightenment to the present.

HIS-207 or HIS-217 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-337 History of the World Wars 1870-1936 3.00-**

This course examines the period from 1870-1945, an era marked by two great wars and a 20-year interval of peace. Through a global study of World War I and World War II, students will look at the social, political, and cultural ideas central to this pivotal moment in modern world history.

**HIS-338 The City in European History 3.00-**

This course examines the emergence and development of the modern European city, including the social, political and cultural meaning of the urban experience for the people of Europe from 1800 to present, with a major focus on the cities of London, Paris, Vienna, Berlin and Manchester.

HIS-207 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-339 History of Sex 3.00-**

See SOC-305.

**HIS-341 Europe and Russia in the Middle Ages 3.00-**

This course is a comprehensive study of the medieval European world: its governance, conflicts, society, and culture from 700-1400. Topics explored include the Byzantine world and the Carolingian world; Muslim, Magyar, and Viking “invasions” of Europe; the feudal world; governance, commercial exchange and intellectual developments of European countries and empires.

HIS-207 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-343 African-American History 3.00-**

This course offers a survey of African American history, thought and cultural expression in the United States from the colonial period to the present. It will examine the African origins of black Americans, the slave trade and experience, Reconstruction, the Civil Rights Movement, Black Power and contemporary freedom struggles, highlighting the diverse movements for liberation and equal rights. It will explore significant themes including labor, religion, community, and popular culture. Importantly, the readings will illuminate the intersections of race, class and gender in understanding the diversity of the African American experience.

**HIS-345 American Cultural History 3.00-**

An exploration of what makes Americans look, sound, and act the way they do. Surveys cultural history, both popular and elite, from the earliest days of colonial settlement to the latest Hollywood blockbuster, with special attention given to those moments that define eras.

HIS-217 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-346 Movies and Historical Perspective 3.00-**

This course examines the significant cultural trends reflected in and caused by the history of motion pictures. As a cultural history of movies, this course pulls together a variety of historical perspectives including movies as an art, an industry, a force for social and political change, and an educational tool.

**HIS-347 American Foreign Policy 3.00-**

See POL-347

**HIS-348 The History of Catholic Church in US The United States 3.00-**

This course surveys major trends, movements, issues, and personalities that have shaped the Catholic experience in the United States. The Catholic community’s internal development is treated through themes of colonial origins, immigration, and Americanization. Discussing the American context in which the Catholic community developed stress the influences from a Protestant and/or secular culture. The course aims to impart a fuller understanding of what forms the identity of U.S. Catholics and how Catholics came to their present position in national life.

**HIS-351 Europe in the Renaissance and Reformation 3.00-**

This course serves as an introduction to history of Western Europe during the periods of the Renaissance and Reformation. The course addresses the cultural, political, social and artistic movements in these periods. Themes covered include the crisis of the 14th-century, the Italian Renaissance, Northern Humanism, Reformation, Geneva and Calvin, Paris and the Bartholomew's Massacre, popular religions, and witches and magic.

HIS-207 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-352 War and Memory 3.00-**

How we think about war and violence informs not just the way we think about conflict, but in many ways how we think about the periods of peace that are vital to human civilization and people's ability to thrive and grow. This class is a semester long exploration of war, human conflict, and organized violence, and how nations, communities, and individuals have thought about those conflicts once they have passed. Recommended for those considering careers in public history.

**HIS-354 Labor & Working Class History 3.00-**

Often mentioned, but rarely made the center of popular studies, the working class is an element of society that has existed in the United States since before the founding of the country. This class looks at not only the history of labor unions and the labor movement, but does a more in-depth study of who exactly the working class is, how they have impacted history, and how notions like "class" shift from period to period and are informed by foreign policy, race, sex, and income.

**HIS-355 Politics of the Middle East 3.00-**

See POL-355.

**HIS-371 Modern Revolutions 1765-1865 3.00-**

In this course, students will gain a better understanding of the modern world by studying some of the most important political revolutions that took place between the 17th century and today to include the American, French, Haitian, Mexican, Russian, and Chinese Revolutions. We will seek to understand the causes of each revolution, analyze the ideologies that inspired the revolutionaries, examine revolutionary uses of violence, and consider how historical revolutions still shape contemporary politics.

**HIS-375 Social Movements 3.00-**

See SOC-375.

**HIS-380 Special Topics in History 3.00-**

Readings, discussion, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**HIS-420 Modern France 3.00-**

This course explores the history of modern France from the fall of the old regime in 1789 to the complex



challenges of immigration and multi-culturalism in the late twentieth-century.  
One 300 level HIS course (Required, Previous).

**HIS-430 Modern Germany 3.00-**

This course examines the controversial history of modern Germany in the period from 1870 to present. Important cultural, political and intellectual trends in the history of Germany from its creation to the fall of the wall are explored.

One 300 level HIS course (Required, Previous).

**HIS-440 Imperialism, Colonialism & Post-Colonialism/Post-Colonialism 3.00-**

In this course we will discuss empires, imperialism, colonialism, and post-colonialism. One aim of this course is to place European imperialism, and its consequences, in a larger comparative context that explores the institutional manifestation of this complex organization of political power.

**HIS-444 American Intellectual History 3.00-**

An analysis of ideas in American history from the Puritans to the present; stress is placed on the relation between ideas and their historical context.

HIS-217 (Required, Previous or concurrent). | HIS-299 (Required, Previous or concurrent).

**HIS-460 Internship in History 1.00-4.00**

Students will work with HIS faculty to design a project in tandem with weekly onsite experience at a local museum, non-profit, state office, or partner organization. Students will be placed according to their career plans, academic abilities, and research interests. Students will be evaluated on the completion and quality of their project in addition to evaluations from their site supervisor. Regular reports and meetings with the coordinating faculty are required to earn credit.

**HIS-470 Modern America 3.00-**

A study of the emergence of the United States to great power and influence in world affairs after 1945; social, political, and economic changes in American domestic life from World War II to the present.

One 300 level HIS course (Required, Previous).

**HIS-480 Special Topics in History 1.00-3.00**

Readings, discussion, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**HIS-490 Senior History Seminar 3.00-**

Senior history majors discuss and analyze required general education book and works of major western historians in this capstone course. Attendance at convocations required.

**HIS-499 Independent Study 3.00-**

Guided readings and research.

**HIS-H02 Honors History of the Modern World 3.00-**

HIS-102 enriched with reading and writing. Limited enrollment to students on the honor's program. This course satisfies general education curriculum standards in behavioral and social knowledge.

**HON-340 Great Books Discussion 1.00-3.00**

Honors Program students are directed in the close reading of a single text whose significance make it pivotal in the history of ideas and culture. May be repeated.

**HON-380 Honors Program Special Topics 1.00-3.00**

Honor Program students are directed in the readings, discussion, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**HON-399 Directed Research 1.00-**

Required for all seniors presenting at the Honors Colloquium. Unless otherwise advised by the director of the Honors Program, seniors should register for only one credit during the spring semester of their senior year. Graded S/U.

**HPE-100 Weight Training 1.00-**

Enhancement courses, such as HPE 100, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-101 Walking for Fitness 1.00-**

Enhancement courses, such as HPE 101, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-102 Racquetball 1.00-**

Enhancement courses, such as HPE 102, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-105 Introduction to Martial Arts 1.00-**

Enhancement courses, such as HPE 105, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-106 Step Aerobics 1.00-**

Enhancement courses, such as HPE 106, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-107      Tennis 1.00-**

Enhancement courses, such as HPE 107, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associates degree.

**HPE-108      Bowling      1.00-**

Enhancement courses, such as HPE 108, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-109      Volleyball      1.00-**

Enhancement courses, such as HPE 109, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-111      Basketball      1.00-**

Enhancement courses, such as HPE 111, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-112      Wallyball      1.00-**

Enhancement courses, such as HPE 112, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-113      Plyometrics Speed Training      1.00-**

Enhancement courses, such as HPE 113, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-114      Beginning Pilates      1.00-**

Enhancement courses, such as HPE 114, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-115      Basic Physical Defense for Women      1.00-**

Enhancement courses, such as HPE 115, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-119      Developmental Conditioning      1.00-**

Enhancement courses, such as HPE 119, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-121      Zumba 1.00-**

Students participate in an aerobic format designed for cardiovascular development, muscle toning and flexibility, coordination, and overall body conditioning. The Zumba program teaches easy to follow

steps/movements to four basic Latin rhythms (meringue, salsa, cumbia, reggaeton) to create a dynamic fitness program. Enhancement courses, such as HPE-121, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**HPE-128 Foundations of Physical Education and Sport 2.00-**

Exploration in the field of physical education; identification of various philosophies and how to establish a philosophic base for physical education; historical and social forces that act upon physical education and sports; and principles that exist in the field of physical education.

**HPE-139 Introduction to Sport Management 3.00-**

An examination of the many career opportunities that exist in the field of sport management. Emphasis is provided in career planning, terminology of sport management, professional skills required, historical perspectives of sport, and the psychology and sociology of sport.

**HPE-145 Health Phys. Ed. Teach Strateg & Methods 2.00-**

HPE teaching strategies designed to assist the HPE teaching major or minor in the development of lesson planning, leadership skills, methodology, and classroom procedures in the physical education environment.

**HPE-150 Individual Sports 3.00-**

A study of rules, skills, strategy and self-testing relating to life-long sports. The student receives instruction in teaching techniques in tennis, golf, bowling, archery, tumbling and stunts, and other individual sports. Health and wellness is promoted in lifelong sports participation.

**HPE-151 Instructional Methods in Tennis and Golf 1.00-**

The course includes instruction in the fundamental skills and rules of the sport of tennis and golf. Emphasis will be placed on the instructional techniques and methodology in order to help prepare the student to instruct tennis and golf.

HPE-128 (Required, Previous).

**HPE-152 Instructional Methods in Volleyball 1.00-**

The course includes instruction in the fundamental skills and rules of the sport of basketball and volleyball. Emphasis will be placed on the instructional techniques and methodology in order to help prepare the student to instruct basketball and volleyball.

HPE-128 (Required, Previous).

**HPE-153 Instructional Methods in Football and Soccer 1.00-**

The course includes instruction in the fundamental skills and rules of the sport of football and soccer. Emphasis will be placed on the instructional techniques and methodology in order to help prepare the student to instruct football and soccer.

HPE-128 (Required, Previous).

**HPE-154            Instructional Methods in Lifetime Fitness            1.00-**

The course includes instruction and techniques of lifetime fitness skills, sports and activities. Emphasis will be on the importance of physical fitness and obtaining the knowledge of how to attain a health-enhancing level of fitness. Focus will be on group exercise and fitness activities such as Pilates, aerobics, and similar group activities.

HPE-128 (Required, Previous).

**HPE-155            Instructional Methods in Strength and Conditioning            1.00-**

The course includes instruction in the fundamental skills and techniques of strength training including safety, strength physiology, spotting, training recommendations, lifting techniques, and program design as it relates to the physical education teaching environment.

HPE-128 (Required, Previous).

**HPE-160            Team Sports            3.00-**

A study of rules, skills, strategy and self-testing relating to team sports. The student receives instruction in teaching techniques in volleyball, softball, soccer, touch and flag football, basketball, and other team sports.

**HPE-228            Movement and Rhythmic Activities            2.00-**

This study and teaching application of the skills associated with movement, rhythmic, and associated activities in the physical education environment. Emphasis will be on the fundamental skills, appreciation, and instructional strategies and teaching methods.

**HPE-240            Officiating            3.00-**

Theory and practice of procedures, techniques, and ethics of officiating baseball, basketball, football, softball, and volleyball. The student has the opportunity to become licensed in any or all of the above sports. \$35 fee for state testing and license certification by the IHSAA.

**HPE-247            Coaching Principles            3.00-**

This course is a comprehensive introduction to the coaching profession. Emphasis is placed on sport at the high school and serious club levels. Consideration is also given to coaching at other levels, such as youth, recreational, and intercollegiate sport programs. The primary goal of the course is to develop and enhance students' knowledge and understanding of concepts and techniques of coaching and their application to achieving important objectives in working with athletes. The course and textbook combine sport science theory and research with the practical knowledge and methods of expert coaches in the five essential categories of coaching education and professional practice. Principles and practical applications are presented and thoroughly explained for each of these five important dimensions of coaching.

**HPE-249            School Health Education            3.00-**

This course is designed to prepare the health educator in teaching for school health throughout the school curriculum. Emphasis will be on the content, activities, and resources to help the classroom teacher deliver health instruction to K – 12 students and thereby help the students form a positive

foundation for lifetime health and wellness.

**HPE-265          Structural Anatomy      3.00-**

See ESS-265.

**HPE-269          Physical Activities for the Elementary Grades      3.00-**

This course is designed to incorporate physical activities and games into the elementary physical education classroom. Emphasis will be on activities of play, games, lifetime fitness, playground/gymnasium procedures and lesson planning. This course requires the student to be in an elementary classroom a minimum of 32 hours per semester.

**HPE-344          Coaching of Basketball      2.00-**

Fundamentals of offensive and defensive techniques are studied. This course analyzes strategies, organization procedures, game preparation, coaching principles, and athlete health and safety.

**HPE-345          Coaching of Football      2.00-**

Fundamentals of offensive and defensive techniques are studied. This course analyzes strategies, organization procedures, preparation, coaching principles, and athlete health and safety.

**HPE-346          Coaching of Baseball and Softball      2.00-**

Techniques, theories, and principles of coaching baseball and softball; offensive and defensive fundamentals by position; rules, organizational and training methods and athlete health and safety.

**HPE-347          Coaching of Track and Field      2.00-**

Techniques, theories, and principles of coaching track and field events; fundamentals for each event, rules, organizational and training methods and athlete health and safety.

**HPE-348          Coaching of Volleyball      2.00-**

Techniques, theories, and principles of coaching volleyball; offensive and defensive strategies, rules, organization, fundamentals, training methods and athlete health and safety.

**HPE-349          Coaching of Soccer      2.00-**

Techniques, theories, and principles of coaching soccer; offensive and defensive strategies, rules, organization, fundamentals, training methods, and athlete health and safety.

**HPE-354          Legal Aspects in Sport Environments      3.00-**

An examination of legal issues in sport environments. A study of legal duties and responsibilities, negligence, due process, school laws, injuries to participants and spectators, liability, player eligibility,

drug testing, and sex discrimination is provided.

**HPE-360 Internship 3.00-12.00**

Experiences in teaching, coaching, training, intramurals, recreation leadership, or sport information. The student has the opportunity to do fieldwork in one of these areas. This course may be repeated for an accumulated total of 12 credits. Does not count toward the credits required in the major. May enroll for four to twelve credits. Graded S/U.

**HPE-363 Adaptive Physical Education 3.00-**

This course is designed to provide basic knowledge pertaining to students with disabilities in the physical education classroom. Additionally, federal and state laws pertaining to the education of individuals with disabilities are addressed. Practical, on-site work at a local school is included.

**HPE-370 Personal and Community Health and Safety 3.00-**

An investigation into personal and community health problems. Course work is focused on preparing the individual to teach health at the high school level.

**HPE-380 Special Topics: Sport Management and Hpe 1.00-3.00**

A special topic addressing a current interest or subject in sport management or health and physical education. May be offered for one to three credits. May be repeated if content varies. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**HPE-410 Organization & Administration of Pe & Sport 3.00-**

Methods of and problems in organizing and administering a physical education and health program. Criteria for designing curricula for all levels of instruction considering environmental and social forces that affect, challenge, and meet the needs of the student; equipment, protection, health and safety program, and standards of ethics.

**HPE-420 Tests and Measurements of Physical Education 3.00-**

Designed for the health and physical education major with emphasis on techniques of test administration and application to results of physical performance activity programs. Content of course includes: statistical methods in measures of central tendency, measures of variability, z scores, correlation coefficient, t-tests, and chi square.

**HPE-453 Essentials of Exercise Science for Hpe 3.00-**

This course is an applied approach to exercise science for the physical education teacher. It is designed to enable the physical education student to implement concepts of underlying performance techniques, to analyze and correct sport techniques, and to identify and assess fitness, energy systems, and training

for the energy systems.

**HPE-490 Senior Seminar in Hpe 3.00-**

A capstone course for seniors. Students read and report on writings in HPE or sport management. The skill of summarizing, analyzing, and applying this information to the chosen field of endeavor is emphasized. Integrates the general education theme and readings. Attendance at convocations required. These skills are demonstrated in both written and oral presentations.

**HPE-499 Independent Study 3.00-**

Guided readings and research. May enroll for one to four credits.

**HUM-210 The Search for Meaning Through Culture 3.00-**

A consideration of the particular kind of knowledge which the literature, art and music of Western civilization have to offer; a study of artists' expressions of human experience. HUM-210 explores human creativity from prehistory to our world today and the search for answers to the enduring questions of existence.

ENG-112 (Required, Previous).

**HUM-211 British History and Culture 3.00-**

Study abroad course at Harlaxton College in England. This course satisfies the Humanistic and Artistic Knowledge requirement in place of HUM-210.

ENG-112 (Required, Previous).

**HUM-230 Literature, Music & Art in Western Tradition I 4.00-**

A consideration of the particular kind of knowledge which the literature, art and music of western civilization have to offer; the search for meaning through culture. The class consists of two hours of literature and one hour each of art and music, and deals with literature and the arts from the ancient world through the Renaissance period. This course satisfies the teacher certification requirements for world literature, comparative literature, and music and art appreciation. This course partially satisfies the general education requirement in the cultural awareness category.

ENG-115 (Required, Previous).

**HUM-230L Literature, Music & Art Discussion Group -**

The discussion group for HUM-230.

HUM-230 (Required, Concurrent).

**HUM-231 Literature, Music & Art in Western Tradition II 4.00-**

A continuation of HUM-230, this class consists of two hours of literature and one hour each of art and music, and deals with literature and the arts from after the Renaissance period up to present time. This course satisfies the teacher certification requirements for world literature, comparative literature, and music and art appreciation. This course partially satisfies the general education requirement in the cultural awareness category.

ENG-115 (Required, Previous).



**HUM-231L Literature, Music & Art Discussion Group -**

Discussion group for HUM-231.

HUM-231 (Required, Concurrent).

**HUM-380 Special Topics in Humanities 1.00-3.00**

Special topics in humanities. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**HWB-110 Holistic Health: Mind, Body, and Spiritu 3.00-**

This course will provide students the opportunity to engage in self-reflection and an understanding of their own well-being through the lenses of mind, body and spiritual health. Students will explore the concept of Holistic Health through multiple disciplinary perspectives and applied learning modalities. This course partially satisfies the Transformational Journey Program curriculum standards for Health and Well-Being

**IMS-912 Im Sel: Public Health/Clinical Pharm 5.00-**

Internal medicine rotations.

**IMS-922 Internal Medicine Selective: Cardiology 5.00-**

Internal medicine rotations.

**IMS-922.5 Internal Medicine Selective: Cardiology 2.50-**

Internal medicine rotations.

**IMS-928 Internal Medicine Select: Endocrinology Endocrinology 5.00-**

Internal medicine rotations.

**IMS-928.5 Internal Medicine Select: Endocrinology Endocrinology 2.50-**

Internal medicine rotations.

**IMS-932 Internal Med Select: Gastroenterology Gastroenterology 5.00-**

Internal medicine rotations.

**IMS-932.5 Internal Med Select: Gastroenterology Gastroenterology 2.50-**

Internal medicine rotations.

**IMS-938 Internal Med Select: Hematology/Oncology Hematology/Oncology 5.00-**

Internal medicine rotations.

**IMS-938.5**      **Internal Med Select: Hematology/Oncology Hematology/Oncology**      **2.50-**  
Internal medicine rotations.

**IMS-940**      **Internal Med Select: Icu/Critical Care Icu/Critical Care**      **5.00-**  
Internal medicine rotations.

**IMS-940.5**      **Internal Med Select: Icu/Critical Care Icu/Critical Care**      **2.50-**  
Internal medicine rotations.

**IMS-942**      **Internal Medicine Selective**      **5.00-**  
Selective Rotation

**IMS-943**      **Internal Med Select: Int Med Sub-Special Medicine Sub-Specialty**      **5.00-**  
Internal medicine rotations.

**IMS-943.5**      **Internal Med Select: Int Med Sub-Special Medicine Sub-Specialty**      **2.50-**  
Internal medicine rotations.

**IMS-944**      **Im Selective: Hospitalist**      **5.00-**  
Selective Rotation

**IMS-962**      **Int Med Select: Pulmonology/Critical Car Pulmonology/Critical Care**      **5.00-**  
Internal medicine rotations.

**IMS-962.5**      **Int Med Select: Pulmonology/Critical Car Pulmonology/Critical Care**      **2.50-**  
Internal medicine rotations.

**IMS-972**      **Internal Medicine Selective: Oncology**      **5.00-**  
Internal medicine rotations.

**IMS-972.5**      **Internal Medicine Selective: Oncology**      **2.50-**  
Internal medicine rotations.

**IMS-978**      **Internal Medicine Selective: Nephrology**      **5.00-**  
Internal medicine rotations.

**IMS-978.5 Internal Medicine Selective: Nephrology 2.50-**  
Internal medicine rotations.

**IMS-980 Internal Medicine Select: Rheumatology Rheumatology 5.00-**  
Internal medicine rotations.

**IMS-980.5 Internal Medicine Select: Rheumatology Rheumatology 2.50-**  
Internal medicine rotations.

**IMS-982 Internal Medicine Selective: Pathology 5.00-**  
Internal medicine rotations.

**IMS-982.5 Internal Medicine Selective: Pathology 2.50-**  
Internal medicine rotations.

**IMS-984 Internal Med Select: Infectious Disease Disease 5.00-**  
Internal medicine rotations.

**IMS-984.5 Internal Med Select: Infectious Disease Disease 2.50-**  
Internal medicine rotations.

**IMS-986 Im Selective: Hospice & Palliative Care 5.00-**  
Selective Rotation

**ISP-380 Special Topics in International Studies 3.00-**

This three-week international studies course, conducted in the last three weeks of May, offers students from all disciplines the opportunity to study in an international setting and enhance cultural and global awareness. The setting, focus, and academic department(s) sponsoring the course change each year. Credit can be obtained through HON, ISP, a 380 of the sponsoring department(s), or through a student's minor or major department with the approval of the departmental advisor. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**LAC-317 Germany's Collective Memory in Lit, Film and Memorials 3.00-**  
See GER-317.

**LAC-325 Latino Catholic Culture 3.00-**  
See SPA-325.

**LAC-335 Latino Voices in the US 3.00-**

See SPA-335.

**LAC-337 Teaching World Languages: Theory & Prac 4.00-**

See SPA-337.

**LAT-101 Latin I 4.00-**

This course introduces the Latin language illustrated of itself through a continuing narrative where the student encounters vocabulary and grammar and induces the meanings of words and the rules of grammar from context. This method of language presentation is called the immersion-induction method, and is similar to the way one learns one's native language. The features of the language presented in the readings are reinforced through exercises in Latin requiring the student to apply what was understood through reading of the text. Supplemental materials explain the grammar, translate vocabulary, and provide charts of the forms of Latin words. Comprehension checks and grammar explanations in English are provided by the instructor.

Placement (Required, Previous).

**LAT-102 Latin II 4.00-**

LAT-102 continues from LAT-101 to present the language through a continuing narrative. The student learns vocabulary and syntax in the context of the narrative, which is similar to the way in which one learns a first language. The features of the language presented in the readings are reinforced through exercises in Latin requiring the student to apply what was understood through reading of the text.

LAT-101 or Placement (Required, Previous).

**LAT-200 Intermediate Latin I 3.00-**

LAT-200 continues from Latin 102 to present the language through a continuing narrative. The student learns vocabulary and syntax in the context of the narrative. The features of the language presented in the readings are reinforced through exercises in Latin requiring the student to apply what was understood through reading of the text. Training in independent reading receives increased emphasis.

LAT-102 or Placement (Required, Previous).

**LAT-201 Intermediate Latin II: Readings in Latin Texts 3.00-**

LAT-201 is the second course in the intermediate sequence of Latin. It emphasizes strategies to improve reading comprehension, drawing on Greek, Roman, and medieval myths and legends for its content.

LAT-200 or Placement (Required, Previous).

**LAT-280 Special Topics in Latin 1.00-3.00**

Special Topics in Latin. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

Take LAT-102 (Required, Previous).

**LAW-100 Introduction to the Paralegal Profession 1.00-**

This course is designed to introduce the student to the profession, as well as expectations of a paralegal and legal assistant in multiple environments and future career choices in the field. Students will be exposed to the following areas of specialization: real estate, wills and probate, health law, criminal,

family, insurance defense, property, commercial and contracts. Guest speakers (attorneys and paralegals), as well as panel discussions, will present throughout the term in the various areas; these panelists will continue to be an interactive component of the program, including future courses and internship opportunities. This course is offered only in the MAP program.

**LAW-104      Intro to the Paralegal Profession      3.00-**

This course is designed to introduce the students to the profession. The students will learn the expectations of a paralegal and legal assistant in multiple environments (small firm, large firm, government agencies, non-profits and organizations, corporations and other) and be exposed to a vast number of areas of specialization within criminal and civil law. Students will benefit from hearing from local and out of state paralegals, attorneys and judges in these various environments and specializations. Students will be exposed to the basic fundamentals of legal research and writing to prepare them for the next course in the sequence, as well as gain an understanding of credentialing, the PCCE and PACE exams, the current and projected demands in the industry, and how to become involved in local organizations and networking opportunities to gain an edge in internship placement and employment. This course is offered only in the MAP program.

**LAW-215      Legal Research 3.00-**

This course is designed to introduce the student to various legal research techniques and databases and gain exposure to federal and state case law, statutes and regulations. The student will learn how to find information, analyze information, and analyze and validate case law. The student will be introduced to key technologies to aid in research and learn the importance of validating one's research. See the following components for the research course: Statutes (state, federal, international and uniform), Regulations (state, federal and ordinances), Case Law (state, federal and administrative), Internet research, copyright issues and secondary sources, Westlaw, Lexis, Bloomberg Law, Casemaker and Fastcase, Dockets and briefs, Business and people information, Law office software (e-discovery, case management, legal timekeeping and billing, litigation support, spreadsheet and database management). This course is offered only in the MAP program.

LAW-104 (Required, Previous). | ENG-101 or ENG-239; minimum grade C+ (Required, Previous).

**LAW-216      Legal Writing and Communication      3.00-**

The student will be exposed to a variety of legal writing tools and forms of writing, such as legal correspondence, thesis paragraphs, memorandums of law, statements, summary arguments, proposals and briefs. The student will be competent in predictive writing and persuasive writing and made aware of the importance of editing and the revision process. This course will focus on reading for comprehension in the legal setting; reinforcement of strong legal research skills; clear, concise and persuasive legal writing skills; and communication and presentation abilities. This course is offered only in the MAP program.

LAW-215; minimum grade C+ (Required, Previous).

**LAW-256      Professional Responsibilities and Ethical Decision-Making      3.00-**

This course is designed to introduce the student to ethics in the legal field. This course promotes professional behavior and communication, ethical decision-making, and strong analytical and interpretation skills. This course covers civil and criminal procedure, courtroom etiquette and individual

legal rights. It will discuss the ethical obligations and liabilities of the attorney and paralegal relationships to each other and to the client. This course is offered only in the MAP program. LAW-216; minimum grade C+ (Required, Previous).

**LAW-261      Legal Liability: Contracts for the Paralegal      3.00-**

This course is designed to focus on the basics of contract law from formation to failure of performance to remedy and change. Students will study civil liability, as opposed to criminal liability; contract reviewing and drafting and the liability of those who breach contract. This course is offered only in the MAP program.

LAW-216; minimum grade C+ (Required, Previous).

**LAW-262      Legal Liability: Torts for the Paralegal      3.00-**

This course is designed to focus on the basics of torts law, examining the issue of lawsuits and damage awards. Students will study civil liability, as opposed to criminal liability. The course will provide a hands-on approach with applicable cases in order to prepare the student for work in the practical area of tort law. This course is offered only in the MAP program.

LAW-216; minimum grade C+ (Required, Previous).

**LAW-272      Civil Litigation for the Paralegal      3.00-**

This course will prepare students to properly and professionally assist attorneys in civil trial, from opening discovery to jury trial preparations. Students will draft legal documents; initiate, prepare and conduct discovery; navigate medical records and billing; investigate and interview; and design trial notebooks. This course is offered only in the MAP program.

LAW-216; minimum grade C+ (Required, Previous).

**LAW-285      Case Practice Management and Technology Capstone      3.00-**

In this economy, students must be ready to enter the workplace, knowing the basic requirements expected of them from potential employers in a legal environment, such as calendaring systems, scheduling strategies, technology in the law office, file management and office etiquette. This course prepares students to walk in the first day and succeed in the environment as a legal assistant and/or paralegal. This course will build and reinforce objectives learned in the prior legal specialty courses and help students bring it all together. This course is structured to provide students with not only a theoretical understanding of paralegal studies, research abilities, writing skills and computer technology and applications, but also practical, hands-on experience, including advanced electronic correspondence, research, discovery and filing. Microsoft applications, such as Word, Excel, Access and PowerPoint will be covered to aid in research, data keeping, spreadsheets, calendaring methods and time management skills. This course is offered only in the MAP program.

LAW-100 (Required, Previous). | LAW-104 (Required, Previous). | LAW-215 (Required, Previous). | LAW-216 (Required, Previous). | LAW-256 (Required, Previous). | LAW-261 (Required, Previous). | LAW-262 (Required, Previous). | LAW-272 (Required, Previous).

**LAW-290      Legal Career Preparation and Development      1.00-**

This course develops students' abilities to successfully apply and interview for legal positions and provides an understanding of the current job market. Career planning, industry research, preparation and evaluation of appropriate documentation, such as an application letter and resume, and interviewing techniques are included. This course is offered only in the MAP program.

LAW-285 (Required, Previous).

**LAW-292      Credentialing for the Paralegal Profession      1.00-**

This course will focus on the benefits and fundamentals of the process of credentialing of the professional paralegal and the basic, foundational preparation for the PCCE and PACE exams. It will prepare students for what to expect on the certification exam (PCCE) upon graduation and discuss new expectations in the growing and ever-changing market, as well as introduce students to local organizations that provide assistance in the credentialing process. This course is only offered in the MAP program.

LAW-285 (Required, Previous).

**LAW-299      Independent Study in Law      3.00-**

Independent study in paralegal studies. This course is offered only in the MAP program.

**LAW-350      Current Events in Social and Criminal Justice & the Prison System      3.00-**

This course will follow current events in the national news. Students will be expected to evaluate and analyze the impact of social, political and economic issues and influences on the criminal justice systems, from the courts to the prison systems. This course will familiarize students with the structure and history of sentencing and corrections systems. Students will study our criminal justice system and identify problems in our system and sentencing laws and identify trends in sentencing and alternatives to incarceration.

**LAW-360      Internship in Prelaw Studies/Paralegal Studies 3.00-**

Director of Educational Services/Paralegal Studies approves work load, work site, objectives and credit hours in consultation with the Director of Prelaw Studies and the onsite internship supervisor of the law office. 60 hours of work are required for 1 credit hour. This course is offered only in the MAP program. Graded S/U.

LAW-104 (Required, Previous). | LAW-215 (Required, Previous). | LAW-216 (Required, Previous). | LAW-256 (Required, Previous). | LAW-261 (Required, Previous). | LAW-262 (Required, Previous). | LAW-272 (Required, Previous). | LAW-285 (Required, Previous). |

**LAW-380      Special Topics in Law      3.00-**

The student will work with a mentor and be guided through a special project in one of the following focus areas to expand on the internship experience and provide research help to the law office of internship: criminal law, family law, civil litigation, immigration, bankruptcy, health law, international law, personal injury, motor sports (sports and entertainment law). This course is offered only in the MAP program. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**LDR-710      Adaptive Leadership      3.00-**

This weeklong intensive opens the Program with an experiential exploration of key concepts and core competencies in building capacity to exercise leadership, including competencies critical to building and strengthening relationships, understanding and influencing stakeholders, and engaging people to make progress on difficult adaptive challenges.

**LDR-715 Leadership Theory 3.00-**

This course investigates theories of organizational behavior, how those theories interact with historical and contemporary leadership theories, and implications for students' leadership practice.

LDR-710 (Required, Previous).

**LDR-717 Moral Leadership in a Conflicted World 3.00-**

Students examine the difficulties authority figures face when making decisions amidst a swirl of internal and external pressures, conflicting values, norms, and belief systems. How do we build capacity within ourselves and in our organization to systematically approach our work in an ethical and moral manner?

LDR-710 (Required, Previous).

**LDR-720 Adaptive Leadership and Social Change 3.00-**

Students experience and explore the paradoxical nature of group life in the context of exploring our most difficult social challenges. Candidates refine their diagnostic capabilities and intervention skills to mobilize others to make progress on their most difficult adaptive challenges.

LDR-710 (Required, Previous).

**LDR-730 Authority, Power & Ethics 3.00-**

Candidates engage in a deep exploration of authority dynamics and their own relationship with authority and power, including implications for ethical decision-making and their ability to show up with integrity under pressure.

LDR-710 (Required, Previous).

**LDR-740 Perspectives on Leadership 2.00-**

Candidates will participate in an international, national, or regional leadership conference to develop a more holistic vision of leadership perspectives. While not required, Candidates are encouraged to submit proposals for presentations at the conference they attend.

LDR-710 (Required, Previous).

**LDR-743 Heutagogy 3.00-**

In this course Candidates have both the freedom and support to investigate leadership from a perspective of their own choosing. They will drive the learning and determine the appropriate outcome for their investigation while the course facilitator (faculty member) will serve as a resource, guide, and support system.

LDR-710 (Required, Previous).

**LDR-750 Transformation and Leading Change 3.00-**

Transformation and Leading Change

LDR-710 (Required, Previous).

**LDR-753 Conflict Management and Negotiation 3.00-**

Students are invited to build a dynamic relationship with conflict and conflict resolution. When and how might exercising leadership require us to generate conflict? Hold the tension? Facilitate resolution? Students will investigate conflict through the lens of identity and their own reaction to conflict.

Alternate Dispute Resolution (ADR) models are also engaged through study and practice.

LDR-710 (Required, Previous).



**LDR-761 Sociotech Systems and Adaptive Enterpris 3.00-**

This course will introduce Candidates to the concepts of sociotechnical systems, adaptive enterprises, and design processes. It broadens the lens to account for powerful social and technological systems across the entire spectrum that impact the whole of an organization and its functioning.

LDR-710 (Required, Previous).

**LDR-762 Design Thinking 2.00-**

In this course candidates develop leadership skills to move from counterproductive deficit based practices to powerful creative practices. Candidates are exposed to an overview of design thinking and given the opportunity to experiment with key questions and tools in order to understand and employ design thinking practices as a problem solving approach.

LDR-710 (Required, Previous).

**LDR-770 Finance and Resource Management 3.00-**

Whether for-profit or non-profit, each organization possesses a finite amount of resources to function. This course will cover the basics of business finance and the management of organizational resources and include basic accounting and resource prioritization and allocation.

**LDR-781 Research Methods 3.00-**

Students refine their doctoral completion plan, begin analyzing multiple sources of information through a critical lens, explore basic approaches to research, and start developing a high level framework for their capstone project.

LDR-701 (Required, Previous).

**LDR-783 Qualitative Research 3.00-**

Introduction to theories of qualitative research, the formulation of qualitative research questions, and the research approaches for qualitative research such as ethnography, case studies, Grounded Theory, and phenomenology.

LDR-781 (Required, Previous).

**LDR-785 Quantitative Research 3.00-**

This course will address the fundamental principles of quantitative research including quantitative research questions, reliability and validity, types of variables, experimental designs and hypothesis development.

LDR-781 (Required, Previous).

**LDR-787 Statistics for Research 3.00-**

Covering the basics of descriptive and inferential statistics such as measures of central tendency, t-Tests, ANOVA, Chi Square, and regression, this class prepares students to analyze the data gathered from their intervention in a meaningful way.

LDR-785 (Required, Previous).

**LDR-790 Capstone Planning & Design 3.00-**

Students will research background information related to their chosen capstone project topic, diagnose the work, consider interventions, investigate methodologies, identify populations and settings, and

complete the rough draft of a project proposal. This course is graded S/U.  
LDR-783 (Required, Previous). | LDR-785 (Required, Previous).

**LDR-793          Proposal Defense          2.00-**

The Project Proposal Defense is a collaboration between the student and their advisor in which the student finalizes the background information, diagnosis, and plan for the intervention and defends that document and plan before their committee. This course is graded S/U  
LDR-790 (Required, Previous).

**LDR-795          Capstone          3.00-**

Candidates register for individual advisement between the student and the Capstone Chair in the final semester of the program. This course focuses on completing the final draft of the capstone and preparing for its defense/presentation. If students need additional semesters, they must remain continuously enrolled in LDR 796 until they successfully complete and defend the capstone project. This course is graded S/U.  
LDR-793 (Required, Previous).

**LDR-796          Capstone Continuation-**

If students needs additional time beyond LDR 795, they must remain continuously enrolled in Capstone Continuation until completing and successfully defending the final draft of the capstone. This continuation course does not bear course credits but does have a course fee rate that is equal to one hour of tuition. This course is graded S/U.  
LDR-795 (Required, Previous).

**LSM-240          Intro Logistics and SCM          3.00-**

An introduction to the analysis and design of domestic and international logistics systems and supply chain management. Topics include transportation, warehousing, inventory control, materials handling and packaging, plant and warehouse location decisions, sourcing, and financial analysis of supply chain performance. Concepts and practices that provide firms with a global competitive advantage are emphasized.  
AIM-123 and BUS-109 (Required, Previous).

**LSM-320          Advanced Logistics          3.00-**

Provides in-depth knowledge on the application of logistics services from original sourcing through delivery of finished products in the supply chain. Focuses on fundamental logistics functions such as purchasing, procurement, forecasting, inventory control, scheduling, 3PLs, and distribution channels.  
LSM-240 (Required, Previous).

**LSM-330          Global Logistics and SCM          3.00-**

Addresses logistics and supply chain management in the global environment: global procurement and sourcing, methods of entry, international contracts, terms of trade, terms of payout, international modes, international insurance, managing global transaction risks, and developing strategic advantages in the global supply chain. The course addresses environmental, sustainable, and cultural decisions that affect logistics and supply chain processes.  
LSM-240 (Required, Previous).

**LSM-350 Humanitarian Logistics 3.00-**

This course provides an understanding of the key elements of humanitarian logistics. Students will learn key information on humanitarian aid, current implications of logistics and supply chain management, and how to employ future applications and innovation to humanitarian aid programs.

LSM-240 (Required, Previous).

**LSM-370 E-Logistics 3.00-**

Describes the role of electronics, information technologies, and information systems in collaborative supply chain relationships. Tools and skills for understanding management of the electronic environment of logistics and supply chain management are emphasized.

LSM-240 (Required, Previous).

**LSM-380 Special Topics in LSCM 3.00-**

Selected topics of interest in Logistics and Supply Chain Management.

LSM-240 (Required, Previous).

**LSM-390 Contemporary Issues in LSCM 3.00-**

Provides students with experiential learning opportunities in solving relevant logistics and supply chain management issues. Topics focus on pertinent and recent studies within various industry sectors. Students develop skills and knowledge regarding contemporary issues in logistics and supply chain management.

LSM-240 (Required, Previous).

**MAT-090 Introductory Algebra 3.00-**

Algebraic principles and procedures are studied. Understanding of concepts, not memorization of manipulative skills, is emphasized. Tables and graphs are integrated to give numerical and visual meaning to algebraic expressions. Developmental courses, such as MAT-090, count toward the credits required for degree completion, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

Placement (Required, Previous).

**MAT-095 Intermediate Algebra 3.00-**

Designed for students needing a mathematics course to assist them in their major area of study, such as health science. Topics selected include linear equations, graphing, proportion and variation applications, use of exponents. Developmental courses, such as MAT-095, count toward the credits required for degree completion, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

Placement (Required, Previous).

**MAT-115 Mathematics for Elementary School I Teachers I 4.00-**

This is the first of a two-semester sequence of courses designed to strengthen, broaden, and enrich the student's background in the areas associated with elementary school mathematics. Topics included are problem-solving, logic, sets, numeration systems, operations involving decimal and non-decimal bases, geometry of shape and size, and measurements. Manipulatives and hands-on experiences are utilized to demonstrate content. A weekly lab allows for additional work with manipulatives, student application of learned concepts, and a practicum experience in an elementary school for a minimum of 8 hours. The students teach a minimum of one lesson in their practicum setting. Three hours of lecture and two

hours of lab per week. This course satisfies the general education curriculum standards for foundational intellectual skills in quantitative reasoning.

Placement; (Required, Previous).

**MAT-115L      Mathematics for Elementary Teachers I Lab      -**

MAT-115 lab.

MAT-115 (Required, Concurrent).

**MAT-116      Mathematics for Elementary School II Teachers II      5.00-**

This is the second of a two-semester sequence of courses designed to strengthen, broaden, and enrich the student's background in the areas associated with elementary school mathematics. Attention is given to various problem-solving techniques. In addition to the text, outside readings from other sources, especially Teaching Children Mathematics, are required. Manipulatives and hands-on experiences are utilized to demonstrate content. Topics included are problem-solving, geometry of shape and size, measurement, fractions, and real numbers. A weekly lab allows for additional work with manipulatives, student application of learned concepts, and a practicum experience in an elementary school for a minimum of 8 hours. The students will teach a minimum of one lesson in their practicum setting. Four hours of lecture and two hours of lab per week.

MAT-115 (Required, Previous).

**MAT-116L      Mathematics for Elementary Teachers II Lab      -**

MAT-116 lab.

**MAT-130      Statistics in the Contemporary World      3.00-**

Statistical ideas and reasoning are used to study current issues. Sampling distributions, measurement, and concepts of inference are included in the course. Concepts are applied to current opinion polls, political and social issues. This course satisfies the general education curriculum standards for foundational intellectual skills in quantitative reasoning.

Placement (Required, Previous).

**MAT-140      College Algebra      3.00-**

An integrated course emphasizing the concepts and skills needed to continue in mathematics. Topics included are polynomials, algebraic fractions, equations, inequalities, functions, matrices, permutations, and graphing of selected functions. This course satisfies the general education curriculum standards for foundational intellectual skills in quantitative reasoning.

Placement (Required, Previous).

**MAT-145      Precalculus      3.00-**

Study of foundational concepts for Calculus, which include the real number line, functions and their graphs, essential functions (polynomial, rational, exponential and logarithmic functions), trigonometric functions, and an introduction to limits via sequences and series. This course satisfies the general education standards for foundational intellectual skills in quantitative reasoning.

Placement (Required, Previous).

**MAT-180      Special Topics in Mathematics      1.00-3.00**

Special topics in mathematics as deemed necessary by needs of students. Current and previous special

topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MAT-211 Mathematical Tools 2.00-**

This is an introduction to MATLAB. The course will introduce students to the fundamentals, structure, and help systems of the software and will aim to give students the skills to approach mathematical problems and to explore mathematical topics.

MAT-215 or MAT-230 (Required, Previous or concurrent).

**MAT-215 Fund & Sp Applications of Calculus Of Calculus 3.00-**

Designed for non-mathematics majors. Study of functions and their graphs, the process and techniques of differentiation and integration, and applications in the students respective fields of interest. This course satisfies the general education curriculum standards for foundational intellectual skills in quantitative reasoning.

Placement (Required, Previous).

**MAT-230 Calculus and Analytic Geometry I 4.00-**

This course begins the formal study of limits, differentiability of algebraic and transcendental functions, applications of differentiation, and an introduction to integration. This course satisfies the general education curriculum standards for foundational intellectual skills in quantitative reasoning.

Placement (Required, Previous).

**MAT-231 Calculus and Analytic Geometry II 4.00-**

Study of integration by standard forms and special methods, indeterminate forms and improper integrals, transcendental functions, analytic geometry, and polar coordinates.

MAT-230 (Required, Previous).

**MAT-250 Problem-Solving and Intro to Proofs Proofs 3.00-**

Reading comprehension of mathematical statements, analyzing definitions and theorems, formulating conjectures and generalizations, careful and rigorous arguments. Main topics are elementary logic, techniques of proofs, functions, and combinatorial reasoning.

**MAT-280 Special Topics in Mathematics 1.00-3.00**

Special topics in mathematics as deemed necessary by needs of students. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MAT-298 Directed Research 1.00-3.00**

This course is designed for junior or senior student research projects or to investigate topical issues in Mathematics.

**MAT-305 Calculus and Analytic Geometry III 4.00-**

Study of lines, curves, planes and surfaces by means of coordinate systems and vectors; differentiation and integration of functions of several variables; infinite series; functions represented by power series; applications.

MAT-231 (Required, Previous).

**MAT-310      Linear Algebra 3.00-**

Study of Matrix Theory in connection with the algebra of systems of linear equations and the geometry of vector spaces. It includes determinant, linear dependence, basis, dimension, linear transformation, Eigen values and Eigen vectors. Application in different fields will be the center of this course.

**MAT-315      Differential Equations 3.00-**

Solution methods for first order equations, higher order linear equations and systems of linear equations; approximate methods of solution, and applications.

MAT-305 (Required, Previous).

**MAT-322      Statistical Inference & Data Analysis I | 3.00-**

The course will cover basic concepts of data analysis and statistical inference, applied to 1-sample and 2-sample location problems: confidence intervals, hypothesis testing, and p-values. Probability models and statistical methods will be applied to practical situations and actual data sets from various disciplines. Elementary statistical theory, including the plug-in principle, maximum likelihood, and the method of least squares will also be covered. A statistical computing package will be used.

MAT-231 (Required, Previous).

**MAT-323      Statistical Inference & Data Analysis I II      3.00-**

A continuation of MAT-322.

MAT-322 (Required, Previous).

**MAT-330      Advanced Geometry 3.00-**

Study of Euclidean geometry, both classical and modern, finite geometries, geometric transformations and convexity. Axiomatic structure is emphasized.

**MAT-331      Modern Geometries 3.00-**

An introduction to several geometries developed after 1800. Study of non-Euclidean geometries, particularly hyperbolic geometry, projective geometry, geometric topology and geometry of inversion. Axiomatic structure and invariant properties are emphasized.

**MAT-335      Number Theory 3.00-**

Study of integers, their properties and relationships. Topics: representation of integers, Euclid's algorithm, the Fundamental Theorem of Arithmetic, the number-theoretic functions, Diophantine equations, congruences, residues.

**MAT-350      Numerical Methods 3.00-**

An introduction to numerical algorithms essential in scientific computation. Elementary discussion of error, interpolation, quadrature, solution of non-linear equations, and systems of linear equations. Programming concepts needed for implementing numerical algorithms. Selected algorithms are implemented on a computer or programmable calculator.

MAT-231 (Required, Previous). | CST-171 (Required, Previous).

**MAT-370 Financial Mathematics 3.00-**

This is a preparatory course for Society of Actuaries Exam FM (Financial Mathematics) or Casualty Actuarial Society Exam 2. Emphasis is placed on Interest Theory.

MAT-231 (Required, Previous).

**MAT-380 Special Topics in Mathematics 1.00-3.00**

Special topics in mathematics as deemed necessary by needs of students. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MAT-409 Topics in Discrete Mathematics 3.00-**

Treatment of topics in combinatorics and graph theory. Examples of topics from combinatorics include basic counting rules, inclusion/exclusion principle, derangements, recurrence relations, generating functions, combinatorial designs, and coding theory. Examples of topics from graph theory include graphs and digraphs, subgraphs, planar graphs, graph coloring, trees, networks, matching theory, and graph algorithms.

MAT-250 (Required, Previous).

**MAT-422 Probability Theory 3.00-**

The course will cover probability spaces, random variables, characteristic and moment generating functions. Important discrete and continuous distributions; joint, conditional, and marginal distributions; expectation; sequences of random variables, modes of convergence, laws of large numbers, and the central limit theorem will also be covered.

MAT-322 (Required, Previous). | MAT-323 (Required, Previous). | MAT-305 (Required, Previous).

**MAT-423 Applied Linear Models 3.00-**

This course will cover linear models, model building, prediction, testing of models, data analysis, and appropriateness of models. Simple and multiple linear regression, analysis of variance, and the design of experiments will also be covered. A statistical computing package will be used.

MAT-310 (Required, Previous). | MAT-322 (Required, Previous). | MAT-323 (Required, Previous or concurrent).

**MAT-425 Mathematical Modeling 3.00-**

The main goal of this course is to provide opportunities for students to construct and analyze mathematical models that arise in the physical, biological and social sciences. Mathematical models are usually created in order to obtain understanding of problems and situations arising in the real world. Sometimes, the main goal is to make predictions or to control certain processes and other times models are created in order to aid in decision making.

MAT-315 (Required, Previous).

**MAT-440 Abstract Algebra I 3.00-**

An axiomatic study of important algebraic systems, including groups, rings, fields, and vector spaces.

MAT-250 (Required, Previous). | MAT-310 (Required, Previous).

**MAT-441 Abstract Algebra II 3.00-**

A continuation of MAT-440.

MAT-440 (Required, Previous).

**MAT-450 Real Analysis 3.00-**

A rigorous introduction to the foundations of real analysis: real numbers, sequences, limits, continuity, differentiation, integration, and series. The emphasis is on establishing and correlating the various properties rather than numerical problem solving.

MAT-250 (Required, Previous).

**MAT-460 Internship in Mathematics 1.00-3.00**

The internship in mathematics permits students to earn academic credit for work that deals with the mathematical sciences or prepares the student for graduate school. The internship is designed to integrate classroom knowledge with practical work experience in the student's chosen area of study. Students are evaluated by their on-the-job supervisor and monitoring MAT faculty member. Students also present both a written and oral summation of their experience. A minimum of four hours of actual work experience per week or 60 hours during the semester is required for each credit to be earned. Enrollment in the course is arranged after review and approval of the proposed internship by program faculty. This course may be repeated for an accumulated total of six credits. Graded S/U.

**MAT-480 Special Topics in Mathematics 1.00-3.00**

Special topics in mathematics as deemed necessary by needs of students. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MAT-490 Seminar 3.00-**

Special topics designed for mathematics majors in the senior year. Historical developments in mathematics are studied. Interrelationships between mathematics and other areas of study are addressed. Integrates the general education theme and readings. Attendance at convocations required. Senior class standing (94 credits) (Required, Previous).

**MAT-499 Independent Study 2.00-3.00**

Options include topics in real analysis or guided readings and research. May enroll two to three credits. Junior or senior class standing (62 credits) (Required, Previous).

**MED-1001 Meaningful Medicine 1.00-**

Elective

**MED-1002 OMM Elective Practice 1.00-**

Elective

**MED-1003 Health From the Inside Out - Nutrition 101 1.00-**

Elective

**MED-1004 Making Medicines 1.00-**

Elective



**MED-2000**      **Pre-Doctoral Teaching & Research Fellowship**    **5.00-**  
Need description

**MED-611**      **Scientific Foundations of Medicine**      **7.00-**  
Need description

**MED-612**      **Essential Clinical Anatomy and Development**    **8.00-**  
Need description

**MED-613**      **Hematology**    **2.60-**

**MED-614**      **Skeletal Muscle**      **1.70-**

**MED-615**      **Introduction to Clinical Medicine 1**      **3.00-**  
Need description

**MED-616**      **Osteopathic Principles and Practice 1**    **3.00-**  
Need description

**MED-617**      **Cardiopulmonary & Renal Systems**      **14.50-**  
Need description

**MED-621**      **Neuroscience**    **6.20-**

**MED-622**      **Cardiovascular System**    **5.10-**

**MED-623**      **Pulmonary System**      **3.20-**

**MED-624**      **Renal System**    **3.50-**

**MED-625 Introduction to Clinical Medicine 2 3.00-**  
Need description

**MED-626 Osteopathic Principles and Practice 2 3.00-**  
Need description

**MED-627 Neuroscience, Eent, Motor Systems 9.00-**  
Need description

**MED-698 Directed Research 4.00-**  
This course is designed for research projects or topical issues in the field of medicine.

**MED-699 Independent Study 3.00-**  
Guided readings and research.

**MED-710 Immune System 2.30-**

**MED-711 Eye, Ears, Nose, Throat System 3.50-**

**MED-712 Gastrointestinal and Hepatic S 3.50-**

**MED-713 Endocrine and Metabolism 3.70-**

**MED-714 Reproductive and Genitourinary 5.20-**

**MED-715 Introduction to Clinical Medicine 3 3.00-**  
Need description

**MED-716 Osteopathic Principles and Practice 3 3.00-**  
Need description

<b>MED-717</b>	<b>Dermatology, Immunology, Skeletal Muscle, Orthopedics</b>	<b>7.50-</b>
Need description		
<b>MED-718</b>	<b>Gi, Endocrine, Metabolism</b>	<b>7.50-</b>
Need description		
<b>MED-720</b>	<b>Reproductive, Aging, Psychiatry</b>	<b>9.50-</b>
Need description		
<b>MED-721</b>	<b>Dermatology</b>	<b>2.70-</b>
<b>MED-722</b>	<b>Psychiatry/Behavioral Medicine</b>	<b>2.70-</b>
<b>MED-723</b>	<b>Aging</b>	<b>3.00-</b>
<b>MED-724</b>	<b>Integration of Biomed &amp; Clinic</b>	<b>5.70-</b>
<b>MED-725</b>	<b>Introduction to Clinical Medicine 4</b>	<b>2.00-</b>
Need description		
<b>MED-726</b>	<b>Osteopathic Principles and Practice 4</b>	<b>2.00-</b>
Need description		
<b>MED-727</b>	<b>Core Concepts of Biomedical Sc</b>	<b>1.00-</b>
<b>MED-728</b>	<b>Growth, Development, Behavior</b>	<b>5.00-</b>
<b>MED-800</b>	<b>Family Medicine I</b>	<b>5.00-</b>
CORE Rotation		

<b>MED-801</b>	<b>Family Medicine II</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-803</b>	<b>Clinical Colloquium</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-803.5</b>	<b>Clinical Colloquium</b>	<b>2.50-</b>
CORE Rotation		
<b>MED-804</b>	<b>Clinical Colloquium II</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-810</b>	<b>Internal Medicine I</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-811</b>	<b>Internal Medicine II</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-820</b>	<b>Emergency Medicine</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-821</b>	<b>Emergency Medicine II</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-822</b>	<b>Emergency Medicine</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-829</b>	<b>Osteopathic Principles and Practice 5</b>	<b>5.00-</b>
Need description		
<b>MED-830</b>	<b>General Surgery</b>	<b>5.00-</b>
CORE Rotation		
<b>MED-831</b>	<b>Clinical Ethics</b>	<b>1.00-</b>

**MED-835**      **Surgery I**      **5.00-**  
CORE Rotation

**MED-836**      **Surgery II**      **5.00-**  
CORE Rotation

**MED-840**      **Obstetrics/Gynecology** **5.00-**  
CORE Rotation

**MED-850**      **Pediatrics**      **5.00-**  
CORE Rotation

**MED-860**      **Psychiatry**      **5.00-**  
CORE Rotation

**MED-870**      **Radiology**      **2.50-**

**MED-880**      **Orthopedics/Sports Medicine** **5.00-**

**MED-899**      **3rd Year Clinical Rotations Placeholder** **25.00-**  
Placeholder

**MED-900**      **Rural Medicine** **5.00-**  
CORE Rotation

**MED-900.5**      **Rural Medicine** **2.50-**  
CORE Rotation

**MED-902**      **Elective Special Topic** **5.00-**  
Elective Rotation

**MED-902.5**      **Elective Special Topic** **2.50-**  
Elective Rotation

**MED-903**      **Elective Academic Medicine**      **5.00-**  
Elective Rotation

**MED-903.5**      **Elective Academic Medicine**      **2.50-**  
Elective Rotation

**MED-904**      **Clinical Applications in Anatomy**      **5.00-**  
Elective Rotation

**MED-904.5**      **Clinical Applications in Anatomy**      **2.50-**  
Elective Rotation

**MED-906**      **International Medicine** **5.00-**  
Elective Rotation

**MED-907**      **Sub Internship** **5.00-**  
Elective Rotation

**MED-908**      **Leadership, Finance and Business for Physicians**      **5.00-**  
Elective Rotation

**MED-908.5**      **Leadership, Business, Finance** **2.50-**

**MED-910**      **Elective Community Hospital**      **5.00-**  
Elective Rotation

**MED-910.5**      **Elective Community Hospital**      **2.50-**  
Elective Rotation

**MED-912**      **Elective Public Health**      **5.00-**  
Elective Rotation

**MED-912.5**      **Elective Public Health**      **2.50-**  
Elective Rotation

**MED-914**      **Elective Clinical Investigation**    **5.00-**  
Elective Rotation

**MED-914.5**      **Elective Clinical Investigation**    **2.50-**  
Elective Rotation

**MED-915**      **Mentored Research Elective**    **5.00-**  
Elective Rotation

**MED-915.5**      **Elective Research**      **2.50-**  
Elective Rotation

**MED-916**      **Elective Medical Ethics** **5.00-**  
Elective Rotation

**MED-916.5**      **Elective Medical Ethics** **2.50-**  
Elective Rotation

**MED-917**      **Elective Clinical Ethic & Palliative Med Medicine**      **5.00-**  
Elective Rotation

**MED-917.5**      **Elective Clinical Ethic & Palliative Med Medicine**      **2.50-**  
Elective Rotation

**MED-918**      **Elective Specialty Omm**      **5.00-**  
Elective Rotation

**MED-918.5**      **Elective Specialty Omm**      **2.50-**  
Elective Rotation

**MED-920**      **Elective Specialty Anesthesia**    **5.00-**  
Elective Rotation

**MED-920.5**      **Elective Specialty Anesthesia**    **2.50-**  
Elective Rotation

**MED-922**      **Elective Specialty Cardiology**    **5.00-**  
Elective Rotation

**MED-922.5**      **Elective Specialty Cardiology**    **2.50-**  
Elective Rotation

**MED-924**      **Elective Specialty Dermatology****5.00-**  
Elective Rotation

**MED-924.5**      **Elective Specialty Dermatology****2.50-**  
Elective Rotation

**MED-926**      **Elective Specialty Emergency Medicine****5.00-**  
Elective Rotation

**MED-926.5**      **Elective Specialty Emergency Medicine****2.50-**  
Elective Rotation

**MED-927**      **Elective Sub-Speciality Emergency Med Medicine**      **5.00-**  
Elective Rotation

**MED-927.5**      **Elective Sub-Speciality Emergency Med Medicine**      **2.50-**  
Elective Rotation

**MED-928**      **Elective Specialty Endocrinology**      **5.00-**  
Elective Rotation

**MED-928.5**      **Elective Specialty Endocrinology**      **2.50-**  
Elective Rotation

**MED-929**      **Osteopathic Principles and Practice 6 (omm)**    **5.00-**  
Need description

**MED-930**      **Elective Specialty Family Medicine**      **5.00-**  
Elective Rotation



<b>MED-930.5</b>	<b>Elective Specialty Family Medicine</b>	<b>2.50-</b>
Elective Rotation		
<b>MED-932</b>	<b>Elective Specialty Gastroenterology</b>	<b>5.00-</b>
Elective Rotation		
<b>MED-932.5</b>	<b>Elective Specialty Gastroenterology</b>	<b>2.50-</b>
Elective Rotation		
<b>MED-934</b>	<b>Elective Specialty Surgery</b>	<b>5.00-</b>
Elective Rotation		
<b>MED-934.5</b>	<b>Elective Specialty Surgery</b>	<b>2.50-</b>
Elective Rotation		
<b>MED-935</b>	<b>Elective Sub-Specialty Surgery</b>	<b>5.00-</b>
Elective Rotation		
<b>MED-935.5</b>	<b>Elective Sub-Specialty Surgery</b>	<b>2.50-</b>
Elective Rotation		
<b>MED-936</b>	<b>Elective Specialty Gynecology</b>	<b>5.00-</b>
Elective Rotation		
<b>MED-936.5</b>	<b>Elective Specialty Gynecology</b>	<b>2.50-</b>
Elective Rotation		
<b>MED-937</b>	<b>Elective Sub-Specialty Gynecology</b>	<b>5.00-</b>
Elective Rotation		
<b>MED-937.5</b>	<b>Elective Sub-Specialty Gynecology</b>	<b>2.50-</b>
Elective Rotation		
<b>MED-938</b>	<b>Elective Specialty Hematology/Oncology</b>	<b>5.00-</b>
Elective Rotation		

**MED-938.5**      **Elective Specialty Hematology/Oncology**      **2.50-**  
Elective Rotation

**MED-940**      **Elective Specialty Icu/Critical Care**      **5.00-**  
Elective Rotation

**MED-940.5**      **Elective Specialty Icu/Critical Care**      **2.50-**  
Elective Rotation

**MED-941**      **Elective Sub-Speciality Trauma Surgery** **5.00-**  
Elective Rotation

**MED-941.5**      **Elective Sub-Speciality Trauma Surgery** **2.50-**  
Elective Rotation

**MED-942**      **Elective Specialty Hospitalist Medicine/Hospitalist**      **5.00-**  
Elective Rotation

**MED-942.5**      **Elective Specialtly Hospitalist Medicine/Hospitalist**      **2.50-**  
Elective Rotation

**MED-943**      **Elective Sub-Specialty Internal Medicine**      **5.00-**  
Elective Rotation

**MED-943.5**      **Elective Sub-Specialty Internal Medicine**      **2.50-**  
Elective Rotation

**MED-944**      **Elective Specialty Neurology**      **5.00-**  
Elective Rotation

**MED-944.5**      **Elective Specialty Neurology**      **2.50-**  
Elective Rotation

**MED-945**      **Elective Specialty Internal Medicine**      **5.00-**  
Elective Rotation

**MED-945.5**      **Elective Specialty Internal Medicine**      **2.50-**  
Elective Rotation

**MED-946**      **Elective Specialty Obstetrics**      **5.00-**  
Elective Rotation

**MED-946.5**      **Elective Specialty Obstetrics**      **2.50-**  
Elective Rotation

**MED-947**      **Elective Sub-Specialty Obstetrics**      **5.00-**  
Elective Rotation

**MED-947.5**      **Elective Sub-Specialty Obstetrics**      **2.50-**  
Elective Rotation

**MED-950**      **Elective Specialty Orthopedics**      **5.00-**  
Elective Rotation

**MED-950.5**      **Elective Specialty Orthopedics**      **2.50-**  
Elective Rotation

**MED-951**      **Elective Sub-Specialty Orthopedics**      **5.00-**  
Elective Rotation

**MED-951.5**      **Elective Sub-Specialty Orthopedics**      **2.50-**  
Elective Rotation

**MED-952**      **Elective Specialty Otolaryngology**      **5.00-**  
Elective Rotation

**MED-952.5**      **Elective Specialty Otolaryngology**      **2.50-**  
Elective Rotation

**MED-954**      **Elective Specialty Pediatrics**      **5.00-**  
Elective Rotation

<b>MED-954.5</b>	<b>Elective Specialty Pediatrics</b>	<b>2.50-</b>	
Elective Rotation			
<b>MED-955</b>	<b>Elective Sub-Specialty Pediatrics</b>	<b>5.00-</b>	
Elective Rotation			
<b>MED-955.5</b>	<b>Elective Sub-Specialty Pediatrics</b>	<b>2.50-</b>	
Elective Rotation			
<b>MED-956</b>	<b>Elective Specialty Physical Med &amp; Rehab Rehabilitation</b>	<b>5.00-</b>	
Elective Rotation			
<b>MED-956.5</b>	<b>Elective Specialty Physical Med &amp; Rehab Rehabilitation</b>	<b>2.50-</b>	
Elective Rotation			
<b>MED-958</b>	<b>Elective Specialty Proctology</b>	<b>5.00-</b>	
Elective Rotation			
<b>MED-958.5</b>	<b>Elective Specialty Proctology</b>	<b>2.50-</b>	
Elective Rotation			
<b>MED-960</b>	<b>Elective Specialty Psychiatry</b>	<b>5.00-</b>	
Elective Rotation			
<b>MED-960.5</b>	<b>Elective Specialty Psychiatry</b>	<b>2.50-</b>	
Elective Rotation			
<b>MED-961</b>	<b>Elective Sub-Specialty Psychiatry</b>	<b>5.00-</b>	
Elective Rotation			
<b>MED-961.5</b>	<b>Elective Sub-Specialty Psychiatry</b>	<b>2.50-</b>	
Elective Rotation			
<b>MED-962</b>	<b>Elective Specialty Pulmonology/Critical Care</b>	<b>5.00-</b>	
Elective Rotation			

**MED-962.5**      **Elective Specialty Pulmonology/Critical Care**      **2.50-**  
Elective Rotation

**MED-964**      **Elective Specialty Radiology**      **5.00-**  
Elective Rotation

**MED-964.5**      **Elective Specialty Radiology**      **2.50-**  
Elective Rotation

**MED-966**      **Elective Specialty Sports Medicine**      **5.00-**  
Elective Rotation

**MED-966.5**      **Elective Specialty Sports Medicine**      **2.50-**  
Elective Rotation

**MED-968**      **Elective Specialty Urology**      **5.00-**  
Elective Rotation

**MED-968.5**      **Elective Specialty Urology**      **2.50-**  
Elective Rotation

**MED-970**      **Elective Specialty Wound Management**      **5.00-**  
Elective Rotation

**MED-970.5**      **Elective Specialty Wound Management**      **2.50-**  
Elective Rotation

**MED-972**      **Elective Specialty Oncology**      **5.00-**  
Elective Rotation

**MED-972.5**      **Elective Specialty Oncology**      **2.50-**  
Elective Rotation

**MED-974**      **Elective Specialty Allergy & Immunology**      **5.00-**  
Elective Rotation

**MED-974.5**      **Elective Specialty Allergy & Immunology**      **2.50-**  
Elective Rotation

**MED-976**      **Elective Specialty Ophthalmology**      **5.00-**  
Elective Rotation

**MED-976.5**      **Elective Specialty Ophthalmology**      **2.50-**  
Elective Rotation

**MED-978**      **Elective Specialty Nephrology**      **5.00-**  
Elective Rotation

**MED-978.5**      **Elective Specialty Nephrology**      **2.50-**  
Elective Rotation

**MED-980**      **Elective Speciality Rheumatology**      **5.00-**  
Elective Rotation

**MED-980.5**      **Elective Speciality Rheumatology**      **2.50-**  
Elective Rotation

**MED-982**      **Elective Specialty Pathology**      **5.00-**  
Elective Rotation

**MED-982.5**      **Elective Specialty Pathology**      **2.50-**  
Elective Rotation

**MED-984**      **Elective Specialty Infectious Disease**      **5.00-**  
Elective Rotation

**MED-984.5**      **Elective Specialty Infectious Disease**      **2.50-**  
Elective Rotation

**MED-986**      **Elective Spec Hospice & Palliative Care**      **5.00-**  
Elective Rotation

**MED-986.5 Elective Spec Hospice & Palliative Care 2.50-**  
Elective Rotation

**MED-990 Elective Clerkship Rotation 4th Year 5.00-**  
Elective Rotation

**MED-999 4th Year Clinical Rotations Placeholder 25.00-**  
Placeholder

**MGT-250 Principles of Management 3.00-**

This course is designed to present a realistic picture of the content of modern managerial challenges. It includes a study of the fundamentals of management principles and techniques for all fields of business: business objectives, policies, functions, executive leadership, organization structure and morale, operative and control procedures.

Take BUS-109; (Required, Previous).

**MGT-301 Foundations of Entrepreneurship 3.00-**

This course introduces the basic elements of cash flow management and the business plan, and prepares students for the more advanced presentation of these concepts offered later in the program. Students learn the concepts of opportunity scanning and opportunity recognition. Students conduct a self-assessment to help them better understand their personal values and aspirations to help guide their entrepreneurial career. The variety of types of entrepreneurial ventures are introduced.

BUS-109 (Required, Previous).

**MGT-302 Social Entrepreneurship 3.00-**

This course begins with an examination of the theoretical underpinnings for the social business movement in the U.S. and abroad. Students examine how the traditional areas of business within the social enterprise inform and drive mission. The tools social entrepreneurs use to tackle long standing societal issues are identified, then students apply course concepts through a collaborative analysis of an organization that addresses a social issue in the community.

MGT-250 (Required, Previous).

**MGT-311 Sport Facility and Event Management 3.00-**

A study on how to function, in a systematic and organized manner, as a director of events in a sport facility; how to manage facility and equipment as a sport director.

**MGT-325 Business Consulting: A-Team 1.00-3.00**

Business Creation and Development Consulting (The A-Team) is an experiential exercise which places the student in the business environment in order to add value to an existing business. This is a project-oriented experience in which students work in teams with the principal of a business to address a business problem or opportunity. This course can be repeated; only three hours can count toward major. May count for elective business experience.

**MGT-329      The Modern British Service Economy      3.00-**

The Modern British Service Economy class is an innovative course dealing with the British business community and strategic business concepts. The multidisciplinary course will compare and contrast the service economy as it exists in the United Kingdom with that of the United States as well as issues in history, political science, language, culture, and religion.

**MGT-330      Project Management      3.00-**

The field of systems analysis is explored through lectures and applications in analysis and design activities. Students are required to analyze an existing business and design improved procedures, forms, and managerial policies to enhance the firm's operational efficiency.

BUS-205 (Required, Previous). | MGT-250 (Required, Previous).

**MGT-332      French Business Culture      3.00-**

See FRE-330.

FRE-201 or placement into FRE-220 or higher (Required, Previous).

**MGT-333      German Business Culture      3.00-**

See GER-330.

GER-201 or placement into GER-220 or higher (Required, Previous).

**MGT-334      Business Communication in Global Contexts I      3.00-**

See SPA-330.

SPA-201 or placement into SPA-220 or higher (Required, Previous).

**MGT-350      Operations Management      3.00-**

A study of modern analytical techniques and methods employed in operations planning and control.

Topics include TQM, inventory management, MRP, and JIT.

MGT-250 (Required, Previous). | BUS-205 (Required, Previous).

**MGT-351      Human Resources Management      3.00-**

A study of the objectives, organization, policies and activities in typical human resource programs and of the problems encountered in their effective administration. Topics include recruiting, selecting, placing, training, safety, health employee services, wage and hours administration, labor-management relations and personnel research.

BUS-205 (Required, Previous). | MGT-250 (Required, Previous).

**MGT-352      Organizational Behavior      3.00-**

A study of the nature of behavior in organizations as a function of the individual, the groups within which an employee interacts, and the organizational setting. Emphasis on applications of behavioral science concepts and findings to individual behavior and organizational performance.

BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MGT-358      Employment Law      3.00-**

A study of the multiple legal issues faced by managers in the modern workplace, beginning with a survey of basic legal terminology and institutions, followed by a discussion of employment relationships, labor unions and collective bargaining, case law impacting contemporary concerns such as ADA, ADEA, FMLA, OSHA worker's compensation, Title VII of the Civil Rights Act, employment at will, wrongful termination



and reduction-in-force, workplace violence, risk analysis and insurance coverage, unfair competition issues, privacy and the electronic workplace, preventative law and compliance policies, alien workers, and the Foreign Corrupt Practices Act.

BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous). | BUS-301 (Required, Previous).

**MGT-361 Talent Management 3.00-**

A comprehensive approach to the acquisition, staffing, selection and development of employees within an organization. This course integrates the use and value of technology in recruitment, staffing, selection, social media, organization entry, socialization, performance management, training, career development, skills enhancement, succession planning and retention strategies.

BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MGT-362 Compensation and Benefits 3.00-**

This course places emphasis on applications, concepts, management and theory of pay practices, benefit programs, and human capital cost-effectiveness. The course concludes with an introduction to human resource auditing.

BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MGT-363 Global Human Resources 3.00-**

A study of theories, approaches and processes to managing people in a global context. Examines the challenges of cross-cultural and diverse workforces from the variables that confront domestic and global human resource management. Elements of global human resources are discussed from the perspective of the organizational context (e.g. host-country national) which includes strategic management; human capital utilization (recruitment and planning); talent management (training and development and performance management); total rewards (compensation and benefits); regulatory compliance, industrial relations and risk management (safety).

BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MGT-372 Creativity and Change 3.00-**

This course acquaints students with theories and strategies for exercising the creative process. Leadership and change are also examined to help the students understand how to effectively introduce and implement new and creative ideas.

BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous). | MGT-301 (Required, Previous).

**MGT-379 Business Management: Cases & Application 3.00-**

Business management cases and the case method is a powerful strategy of instruction and student individual and team learning. Emphasis is placed on the implications and applications of business concepts through real-world business cases and/or cases designed to be similar. Using an effective and efficient case study process, students will work in teams to identify, analyze, propose alternatives and recommend a justifiable solution of issues and problems faced in business. Student presentation, team and communication skills are assessed in the course's final business case competition judged by professionals. This final case competition is modeled after state and national student case competitions. Course may count for elective business experience.

MGT-350 or MGT-351 (Required, Previous).

**MGT-395 Applied Managerial Decision Making 3.00-**

Students acquire an understanding of and an appreciation for the challenges faced by managers when confronted with personal and competitive decision-making situations in their roles as leaders, team members and business professionals. Decision-making concepts and theoretical models are introduced along with discussions of management literature, current events and business cases. Students make strategic and operational decisions while participating in a competitive business simulation.  
BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MGT-430 Strategic Leadership 3.00-**

Designed as the capstone course in management, Strategic Leadership identifies and develops various attributes commonly associated with effective leadership in business. A combination of study and application provide opportunities for students to develop the skills necessary to navigate challenges that arise as managers interact with stakeholders to achieve the goals of the firm.  
Two 300 Level Management Courses (Required, Previous). | BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MGT-450 International Business 3.00-**

A course designed to study the present and future implications of international trade and its economic impact on the United States. Emphasis is placed on the analysis of case studies and current affairs in the context of international business.  
BUS-205 (Required, Previous). | BUS-209 or MGT-250 (Required, Previous).

**MIL-101 Foundations of Officership 1.00-**

Reserve Officer Training Corps (ROTC) course offered in cooperation with IUPUI.

**MIL-102 Foundations in Leadership 1.00-**

ROTC at IUPUI.

**MIL-201 Individual Leadership Studies 2.00-**

Reserve Officer Training Corps (ROTC) course offered in cooperation with IUPUI.

**MIL-301 Leadership and Problem Solving 3.00-**

Reserve Officer Training Corps (ROTC) course offered in cooperation with IUPUI.

**MIL-302 Leadership Under Fire 3.00-**

ROTC at IUPUI.

**MIL-321 Military History & Leadership 3.00-**

ROTC at IUPUI.

**MIL-401      Officership I      3.00-**  
Reserve Officer Training Corps (ROTC) course offered in cooperation with IUPUI.

**MIL-402      Leadership in a Complex World      3.00-**  
ROTC at IUPUI

**MIS-101      Information System Applications      3.00-**  
A study of various applications of microcomputers to business operations and managerial decision making. Students are introduced to microcomputer hardware and software concepts as well as to major software applications used in managerial problem solving and decision making. This course is only offered in the MAP program.

**MIS-201      Management Information Systems      3.00-**  
An introduction to the field of management information systems. Emphasis is placed on the role of computers and information in a modern organization. State-of-the-art business software is used to analyze managerial problems and develop solutions. A variety of information systems problems are studied using case methods. This course is only offered in the MAP program.

**MIS-265      Geographic Information Systems      3.00-**  
See BIO-265.

**MIS-265L      Geographic Information Systems Lab      -**  
MIS-265 lab.

**MIS-280      Special Topics in Information Systems      1.00-4.00**  
Selected current topics of interest to the M.I.S. field. May be offered for one to four credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MIS-290      Business Applications Development      3.00-**  
An applied project seminar in business technology. It is expected that the project will address a particular business issue or e-commerce problem targeted toward the student's major. Students will learn to use applications specific to their major in addition to discussing current issues and future trends in technology as well as strategies for dealing with these changes.  
BUS-209 (Required, Previous).

**MIS-317      Web Applications Development      3.00-**  
The course will introduce students to the fundamental areas of internet website development and design using simple tools like HTML and FrontPage. This course is for all students who are interested in studying and designing personal, business, or organization web site designs.  
BUS-109 or BUS-250 (Required, Previous).

**MIS-332            Project Management Methodologies    3.00-**

Examines business project management methodologies used to effectively plan, direct and control project activities to achieve schedule, budget and performance objectives. Review the project life cycle, organization and charters, work breakdown structures, responsibility matrixes, cost budgeting, scheduling and resource allocation. Explore planning and control methods such as PERT and Gantt charts, earned value management, and an overview of project management software applications. Includes an introduction to requirements for the Project Management Institute PMP (Project Management Professional) Certification Exam, which is required by many employers seeking project managers. This course is only offered in the MAP program.

BUS-250 (Required, Previous).

**MIS-342            Project Planning and Control    3.00-**

Examination of the elements of project planning and control by studying each element in depth. Addresses topics such as work breakdown structure, budgets, costs, resource planning and allocation, project monitoring and reporting, and project and process control methods, as well as the termination and audit of a project. The objective of this course is to understand the importance of planning and scheduling to the successful completion of a project. This course is only offered in the MAP program.

MIS-332 (Required, Previous).

**MIS-362            Team Building & Interpersonal Dynamics    3.00-**

An overview of the issues of quality applied to human resources management. Topics include the delegation of authority and empowerment, work groups, team building, and employee involvement, reward/recognition programs and employee morale, and the importance of written and oral communication skills in the delegation, sharing, and execution of work. Focus will be on managing indirect reports throughout the project duration from implementation to successful closing. This course is only offered in the MAP program.

MIS-342 (Required, Previous).

**MIS-372            Project Accounting Methods    3.00-**

A study of the application of cost accounting concepts to a project according to its contractual parameters. The course will develop alternative cost methods and outline an approach to track and measure the progress of any project according to its contractual or planned milestones and measurement of value. Because projects use scarce organizational resources and therefore care must be exercised in choosing projects that benefit the organization, participants will learn how to justify the project's expenses in relation to the value it creates for the organization. A variety of financial techniques necessary to quantify costs and benefits are explained, including present-value, return-on-investment (ROI), and break-even analysis. In addition, a number of practical forecasting techniques for revenue, expenses, and project growth are presented. Finally, a number of decision-making strategies are shown to help in making informed project decisions. This course is only offered in the MAP program.

MIS-362 (Required, Previous).

**MIS-380            Special Topics in Information Systems    1.00-4.00**

Selected current topics of interest to the M.I.S. field. May be offered for one to four credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MIS-499      Independent Study      1.00-3.00**

Guided readings, research and/or development of managerial computer applications. May enroll for one to three credits.

**MKT-240      Principles of Marketing      3.00-**

A study of the process of planning and implementing the business activities that facilitate and expedite development of satisfying exchange relationships through the creation, distribution, promotion, and pricing of goods, services and ideas.

Take BUS-109; (Required, Previous).

**MKT-301      New Media Marketing      3.00-**

This course is designed to teach and expose students to emerging digital media's role in business marketing. Students will learn to create a digital media plan and business related social media sites (such as blogs, Facebook, LinkedIn), perform media plan analytics, and discuss legal aspects of digital media marketing.

BUS-109 (Required, Previous).

**MKT-305      Business Research Methods      3.00-**

Students prepare a research paper applying statistical methods to real-world applications.

BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-338      Global Marketing      3.00-**

A study of world markets and the legal, economic, and cultural conditions influencing marketing abroad. Examines the marketing issues required to identify and evaluate the product, price, promotion, and distribution demands in global markets. Elements of an international marketing plan are discussed and developed.

BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-341      Promotion      3.00-**

A study of the elements of the promotion mix from a managerial perspective. Topics include developing objectives used by firms to advance their products, promotional positioning and advertiser roles, strengths and weaknesses of advertising media and forms of publicity, roles of salespersons in personal selling, and types of sales promotion and reasons for their use.

BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-342      Selling and Sales Management      3.00-**

A study of the management of the selling function, including sales communications, theories of motivation, ethical and legal issues in the selling profession, the organizational buying process, and the elements of personal selling. Students demonstrate individual sales proficiency through case study presentations and role plays.

BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-344      Marketing Research      3.00-**

A study of the nature and scope of marketing research and its applications to marketing management. The course provides an overview of the primary uses of marketing research along with a review of the various tools and techniques of marketing research. The student learns how to apply the basic

marketing research principles in decision making and planning through study materials and projects.  
BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-348 Sport Marketing and Sponsorship 3.00-**

A comprehensive study of marketing and sponsorship as it relates to the sport industry. This course is designed to provide the sport manager with an overview of the sport industry with emphasis on: defining sport marketing principles as they apply to the sport industry; understanding consumer behavior, media relations, public relations, publicity, sales and distribution, and sponsorship within the sports world. Emphasis will be placed on practical experience conceptualizing, designing and presenting a sport marketing plan, and a sponsorship proposal packet.

BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-366 Strategic Communication 3.00-**

This course is designed to introduce students to the theories, concepts, and applications of strategic communication. Students will investigate issues that challenge contemporary organizations by analyzing case studies, conducting research, and designing possible solutions. Students will learn how to apply these concepts by working with a local organization to develop a strategic communication plan. While working on this project, students will also engage with the function of communication in organizations. Sophomore class standing (30 credits) (Required, Previous).

**MKT-442 Advanced Professional Selling 3.00-**

This course will provide an in-depth study of advanced sales practices and sales force strategy. Students will learn about creating a customer-focused value proposition, the multi-person buying center, team-selling, key account management, and multi-channel sales strategy. Videotaped role plays, presentations, and participation at regional/national sales competitions motivate learning beyond the classroom setting.

MKT-342 (Required, Previous).

**MKT-444 Negotiation 3.00-**

Exposure to the concepts of negotiations in both the U.S. and global business environments including negotiation strategies and tactics, influence, third-party intervention, audience effects, nonverbal communication, and ethical and cultural aspects. Case studies and simulations will be used throughout the course.

BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MKT-445 National Student Advertising Competition 3.00-**

This course encompasses intensive investigation of the special problems involved in developing campaign concepts. Using the AAF National Student Advertising Competition to determine client, budget and campaign objective, students will develop an advertising/marketing/media strategy. The fully developed and designed marketing communications campaign will be ready to present to a panel of industry executives at the AAF District Conference in the spring and, if selected to advance, the AAF National Conference in early June. This course can be repeated and count as 2 upper level marketing electives, or 1 upper level marketing elective and an elective business experience.

**MKT-446 Strategic Marketing 3.00-**

This is the upper level capstone marketing course. This course combines the introductory and mid-level

marketing principles and planning coursework into long-term strategic level review. The course addresses the analysis of long-term company vision and marketing opportunities, the review of marketing case studies, the strategy of marketing programs, and the challenges confronted in international marketing. The emphasis of the course is on critical business thinking, planning, and actions.

Two 300 level marketing courses (Required, Previous). | BUS-205 (Required, Previous). | BUS-209 or MKT-240 (Required, Previous).

**MUL-100      Trumpet      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-101      Baritone      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-102      French Horn      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-103      Trombone      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-104      Bass Trombone      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-105      Tuba      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes

place within the music department.

**MUL-115      Piano   0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-116      Organ   0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for one to two credits. Fee required.

**MUL-117      Harpsichord   0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-125      Class Piano I   0.50-1.00**

First semester of a three semester sequence designed to develop basic keyboard and musicianship skills including technic, sight reading, harmonization, accompaniment, theory, and piano repertoire in preparation for the piano proficiency exam.

**MUL-126      Class Piano II   0.50-1.00**

This class is the second semester of a three semester sequence designed to develop keyboard and musicianship skills, including fundamental technic, scale playing, sight reading, harmonization, transposition, ensemble playing, accompaniment, and piano repertoire. The course is intended to assist students in passing the piano proficiency examination. At the end of the semester, students may elect to take the piano proficiency examination. Students who are not sufficiently prepared to take the exam, or who do not pass the exam, may take MUL-225 Class Piano III. (SEM)

**MUL-130      Percussion   0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-145      Violin   0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be



repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-146      Viola    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-147      Violoncello    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-148      Contrabass    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-149      Harp    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-150      Guitar    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-151      Electric Guitar    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-152      Electric Bass    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-161      Voice    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-171      Voice Class    0.50-1.00**

Singing is an activity that can enrich one's life both musically and socially. The more one develops musical skills, the more one is capable of truly understanding the depth, beauty, and tremendous power that the world of music and singing has to offer. The student will learn techniques in proper posture, breath control and tone placement. This aspect of the study will be achieved through singing scales and other vocal exercises. The student will develop the skills of music reading and sight singing. The student will explore vocal music of the Renaissance, Baroque, Classical, Romantic and Contemporary periods. We will begin our studies with songs in English. In time we will include songs in Italian, Latin, and possibly German. The student will also learn how to develop and use subtext to enhance the emotional impact of their performance. To refine these skills, we will explore the repertoire of British and American art song and the American Musical Theatre tradition.

**MUL-174      Flute    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-175      Clarinet      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-176      Saxophone    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-177      Oboe    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-178      English Horn    0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-179      Bassoon      0.50-1.00**

Open to all majors, 100-level private lessons are designed as an enhancement course, and may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-200      Trumpet      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-201      Baritone      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-202      French Horn    0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-203      Trombone      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-204 Bass Trombone 0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-205 Tuba 0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-215 Piano 0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-216 Organ 0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-217 Harpsichord 0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-225 Class Piano III 0.50-1.00**

This is the third semester of a three semester sequence designed to develop keyboard and musicianship skills, including fundamental technic, scale and chord playing, sight reading, harmonization, transposition, four part reading, accompaniment, piano repertoire, and open score reading. The course is intended to assist students in passing the piano proficiency examination. Students who are not sufficiently prepared to take the exam, or who do not pass the exam, may repeat MUS-225.

**MUL-226      Class Piano IV   0.50-1.00**

This is the fourth semester of a four semester sequence is designed to continue developing keyboard and musicianship skills, including fundamental technique, scale and chord playing, sight reading, harmonization, improvisation, transposition, four part reading, accompaniment, piano repertoire, and open score reading.

MUL-225 (Required, Previous).

**MUL-230      Percussion      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-245      Violin   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-246      Viola   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-247      Violoncello      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-248      Contrabass      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-249      Harp   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-250      Guitar   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-251      Electric Guitar   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-252      Electric Bass   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-261      Voice   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required.

Registration takes place within the music department.

**MUL-271      Voice Class   0.50-1.00**

Singing is an activity that can enrich one's life both musically and socially. The more one develops musical skills, the more one is capable of truly understanding the depth, beauty, and tremendous power that the world of music and singing has to offer. The student will learn techniques in proper posture, breath control and tone placement. This aspect of the study will be achieved through singing scales and other vocal exercises. The student will develop the skills of music reading and sight singing. The student will explore vocal music of the Renaissance, Baroque, Classical, Romantic and Contemporary periods. We will begin our studies with songs in English. In time we will include songs in Italian, Latin, and possibly German. The student will also learn how to develop and use subtext to enhance the emotional impact of their performance. To refine these skills, we will explore the repertoire of British and American art song and the American Musical Theatre tradition.

**MUL-274      Flute   0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or

six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-275      Clarinet      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-276      Saxophone      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-277      Oboe      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-278      English Horn      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-279      Bassoon      0.50-1.00**

Open to music majors and minors only, 200-level private lessons help prepare the student for required recitals. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-300      Trumpet      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-301      Baritone      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-302      French Horn      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-303      Trombone      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-304      Bass Trombone      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-305      Tuba      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-315      Piano      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-316      Organ      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes



place within the music department.

**MUL-317 Harpsichord 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-330 Percussion 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-345 Violin 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-346 Viola 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-347 Violoncello 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-348 Contrabass 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-349 Harp 0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be

repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-350      Guitar   0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-351      Electric Guitar   0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-352      Electric Bass   0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-361      Voice   0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-371      Voice Class   0.50-1.00**

Singing is an activity that can enrich one's life both musically and socially. The more one develops musical skills, the more one is capable of truly understanding the depth, beauty, and tremendous power that the world of music and singing has to offer. The student will learn techniques in proper posture, breath control and tone placement. This aspect of the study will be achieved through singing scales and other vocal exercises. The student will develop the skills of music reading and sight singing. The student will explore vocal music of the Renaissance, Baroque, Classical, Romantic and Contemporary periods. We will begin our studies with songs in English. In time we will include songs in Italian, Latin, and possibly German. The student will also learn how to develop and use subtext to enhance the emotional impact of their performance. To refine these skills, we will explore the repertoire of British and American art song and the American Musical Theatre tradition.

**MUL-374      Flute    0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-375      Clarinet      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-376      Saxophone    0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-377      Oboe    0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-378      English Horn    0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-379      Bassoon      0.50-1.00**

Open to music majors only, 300-level private lessons are for students preparing a junior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-400      Trumpet      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes

place within the music department.

**MUL-401      Baritone      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-402      French Horn      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-403      Trombone      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-404      Bass Trombone      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-405      Tuba      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-415      Piano      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-416      Organ      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be

repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-417 Harpsichord 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-430 Percussion 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-445 Violin 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-446 Viola 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-447 Violoncello 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-448 Contrabass 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-449 Harp 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-450 Guitar 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-451 Electric Guitar 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-452 Electric Bass 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-461 Voice 0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-471 Voice Class 0.50-1.00**

Singing is an activity that can enrich one's life both musically and socially. The more one develops musical skills, the more one is capable of truly understanding the depth, beauty, and tremendous power that the world of music and singing has to offer. The student will learn techniques in proper posture, breath control and tone placement. This aspect of the study will be achieved through singing scales and other vocal exercises. The student will develop the skills of music reading and sight singing. The student will explore vocal music of the Renaissance, Baroque, Classical, Romantic and Contemporary periods. We will begin our studies with songs in English. In time we will include songs in Italian, Latin, and possibly German. The student will also learn how to develop and use subtext to enhance the emotional impact of their performance. To refine these skills, we will explore the repertoire of British and American art song and the American Musical Theatre tradition.

**MUL-474      Flute    0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-475      Clarinet      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-476      Saxophone    0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-477      Oboe    0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-478      English Horn    0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUL-479      Bassoon      0.50-1.00**

Open to music majors only, 400-level private lessons are for students preparing a senior recital. May be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Student may enroll for half to one credit. Fee required. Registration takes place within the music department.

**MUS-101      Chamber Singers      0.50-1.00**

A small mixed vocal ensemble open to men and women who qualify by audition. Non-music majors are welcome to audition and participate. Enhancement courses, such as MUS 101, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate

degree. Fee required.

**MUS-102      University Choir      0.50-1.00**

A large mixed vocal ensemble open to men and women who qualify by audition. All students at Marian University are welcome to audition and participate in this group. Enhancement courses, such as MUS 102, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**MUS-103      University Band      0.50-1.00**

The University Band is made up of students in any major with any amount of experience in band. The course focuses heavily on marching band earlier in the fall semester and gradually shifts toward a heavy focus on concert band by the end of the semester. The marching band performs at Marian University football games, other athletic events, parades, and high school marching festivals and competitions. The wind ensemble eventually takes over the same time block, starting with one rehearsal a week in September, and growing to three or four rehearsals a week (less marching band) by December. Most of the information presented in this course is directly related to performance preparation. Enhancement courses, such as MUS-103, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**MUS-104      Brass Ensemble      0.50-1.00**

A small brass ensemble open to all students who qualify by audition. Enhancement courses, such as MUS 104, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Fee required.

**MUS-105      Percussion Ensemble      0.50-1.00**

Open to all students by audition. This small percussion ensemble will rehearse and perform different styles of music including ethnic, classical, rock, jazz, contemporary, and ragtime. Enhancement courses, such as MUS 105, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Fee required.

**MUS-107      Jazz Band      0.50-1.00**

Open to all students by audition. This course will explore and perform music from the realm of classic American jazz, contemporary jazz, and studio music. Enhancement courses, such as MUS 107, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Fee required.

**MUS-108      Sacred Choir      0.50-1.00**

A mixed vocal ensemble open to men and women who qualify by audition. Non-music majors and people of all faiths are welcome to audition and participate. This choir performs sacred music only, and sings at all school liturgies as well as occasional outreach performances. In addition, each member is required to sing twice per month at a Marian University Sunday liturgy. Enhancement courses, such as



MUS-108, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**MUS-109      String Ensemble      0.50-1.00**

This course offers instruction on violin, viola, cello, and string bass instruments with a focus on the skills necessary for long-term success.

**MUS-120      Music Fundamentals      3.00-**

An integrated exploration of the fundamentals of music. Students will learn the elements of musical construction and methods by which those elements blend to create a coherent musical expression. Elements of classical, folk, and popular music will be explored. Recommended for non-majors and music majors and minors seeking to establish a foundation of skills before enrolling in Music Theory I.

**MUS-125      Theory I      3.00-**

Integrated courses including written and keyboard harmony, sight singing and dictation, designed to build a framework of understanding for the materials and structure of music. Fee required.

MUS-166 (Required, Concurrent).

**MUS-126      Theory II      3.00-**

A continuation of MUS-125. Fee required.

MUS-125 (Required, Previous). | MUS-167 (Required, Concurrent).

**MUS-127      Appreciation of Music      3.00-**

Study of the elements and principles of music necessary for intelligent listening and appreciation.

Surveys the chief developments of music history, the works of master composers, folk music, and trends in contemporary music.

**MUS-143      Musical Theatre Dance Techniques      2.00-**

See THE-143.

**MUS-158      World Drumming Ensemble      0.50-1.00**

This course will explore drumming from cultures around the world. Through rehearsals and performances, students will learn various styles of African drumming, Latin percussion and Afro-Cuban drumming, Brazilian drumming, and other world percussion techniques at the discretion of the instructor. The class will perform at least one concert to demonstrate the various styles learned during the semester. Enhancement courses, such as MUS 158, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**MUS-159      Show Choir      0.50-1.00**

The MU Show Choir is a choral ensemble of mixed voices (soprano, alto, tenor, and bass) that sings a variety of popular and Broadway choral literature, some of which is enhanced by movement. Students are selected for this ensemble by audition only. The purpose of the MU Show Choir is to provide

selected students throughout the university an opportunity to study, rehearse, and perform the aforementioned choral literature. The ensemble also serves as a learning environment for those pursuing a degree in music education and who will one day rehearse their own choirs. The group also serves as goodwill ambassadors for the University by performing for various organizations, schools, churches, and communities. Enhancement courses, such as MUS-159, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**MUS-166      Aural Skills I      1.00-**

In-depth study and application of sight singing techniques, dictation, chord recognition, error detection, and related activities. Placement by level of experience.

**MUS-167      Aural Skills II      1.00-**

Continuation of MUS 166 including more advanced sight singing, dictation, chord recognition, error detection, and related activities.

MUS-166 (Required, Previous).

**MUS-170      Woodwind Ensemble      0.50-1.00**

A small woodwind ensemble open to all students who qualify by audition. Enhancement courses, such as MUS-170, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. Fee required.

**MUS-200      Music Theatre Performance Workshop      3.00-**

This course is designed to give performance opportunities in scene development. Musical theatre, operetta, and light opera scenes are staged and presented in review format. If possible, small cast music theatre works are performed in their entirety. This applied class has different content each semester and can be taken more than once. Cross-listed as THE-225.

**MUS-201      Chamber Singers      0.50-1.00**

A small mixed vocal ensemble open to men and women who qualify by audition. Non-music majors are welcome to audition and participate. May be repeated for credit. Fee required.

**MUS-202      University Choir      0.50-1.00**

A large mixed vocal ensemble open to men and women who qualify by audition. All students at Marian University are welcome to audition and participate in this group. May be repeated for credit. Fee required.

**MUS-203      University Band      0.50-1.00**

The University Band is made up of students in any major with any amount of experience in band. The course focuses heavily on marching band earlier in the fall semester and gradually shifts toward a heavy focus on concert band by the end of the semester. The marching band performs at Marian University football games, other athletic events, parades, and high school marching festivals and competitions. The

wind ensemble eventually takes over the same time block, starting with one rehearsal a week in September, and growing to three or four rehearsals a week (less marching band) by December. Most of the information presented in this course is directly related to performance preparation. May be repeated for credit.

**MUS-204      Brass Ensemble      0.50-1.00**

A small brass ensemble open to all students who qualify by audition. May be repeated for credit. Fee required.

**MUS-205      Percussion Ensemble      0.50-1.00**

Prerequisite: open to all students by audition. This small percussion ensemble will rehearse and perform different styles of music including ethnic, classical, rock, jazz, contemporary, and ragtime. May be repeated for credit. Fee required.

**MUS-207      Jazz Band      0.50-1.00**

Open to all students by audition. This course will explore and perform music from the realm of classic American jazz, contemporary jazz, and studio music. May be repeated for credit. Fee required.

**MUS-208      Sacred Choir      0.50-1.00**

A mixed vocal ensemble open to men and women who qualify by audition. Non-music majors and people of all faiths are welcome to audition and participate. This choir performs sacred music only, and sings at all school liturgies as well as occasional outreach performances. In addition, each member is required to sing twice per month at a Marian University Sunday liturgy. May be repeated for credit.

**MUS-209      String Ensemble      0.50-1.00**

This course offers instruction on violin, viola, cello, and string bass instruments with a focus on the skills necessary for long-term success.

**MUS-226      Vocal Pedagogy      2.00-**

Study of vocal production, introduction to diction and a brief survey of vocal literature.

**MUS-227      Diction I      2.00-**

English, Italian and Latin for singers, choral directors, music educators and fine arts students. Students are introduced to the International Phonetic Alphabet (IPA) symbols as well as appropriate literature.

**MUS-228      Diction II      2.00-**

German and French for singers, choral directors, music educators and fine arts students. Students study advanced applications of the International Phonetic Alphabet (IPA) symbols as well as appropriate literature.

**MUS-231 Foundations of Jazz Pedagogy for Mus Edu 2.00-**

This course is meant to introduce all aspects of the development of jazz programs within the public and private school music curriculum for the future music educator. Students will be exposed to the history of jazz, jazz pedagogy, and an introduction on how to teach improvisation.

**MUS-251 Music Technology 2.00-**

Selected software enables the student to sequence, notate, arrange and compose at the computer. Internet sources enhance the course, serving as a tool to allow the student to collect MIDI files, tutorials, and updated information on current projects.

MUS-126 (Required, Previous).

**MUS-252 History of Rock and Roll Music 3.00-**

The course is an examination of the birth and evolution of rock music from its roots in blues, country, and gospel to grunge, techno, and other current "alternative" styles.

**MUS-254 The History of the Beatles 3.00-**

This course surveys the history, music and development of The Beatles. From 1957 until 1970, the Four Lads from Liverpool used backward recording techniques, sold millions of their recordings without touring, made a concept album and used orchestral instruments in their compositions. These are only a few of their innovations that set the stage for what rock music would become.

**MUS-256 The History of Jazz 3.00-**

This course explores the history, artists, composers and music of this great American art form. We begin in New Orleans at the turn of the century and continue through its golden age in Chicago, to the New York City dance halls of the 1930s and 1940s. The evolution advances through the bebop sound of the 1940s, the cool jazz of the 1950s, and modern jazz of the 1960s.

**MUS-257 Music in Catholic Worship 3.00-**

Examines the theory, history, and present practice of music as an integral part of Catholic worship. Musical examples will illustrate the variety of texts, musical forms, and musical roles that serve the liturgy with emphasis on the full, conscious, and active participation of the worshipping assembly.

**MUS-258 World Drumming Ensemble 0.50-1.00**

Open to all students by approval of the instructor, this course will explore drumming from cultures around the world. Through rehearsals and performances, students will learn various styles of African drumming, Latin percussion and Afro-Cuban drumming, Brazilian drumming, and other world percussion techniques at the discretion of the instructor. The class will perform at least one concert to demonstrate the various styles learned during the semester. May be repeated for credit.

**MUS-259 Show Choir 0.50-1.00**

The MU Show Choir is a choral ensemble of mixed voices (soprano, alto, tenor, and bass) that sings a

variety of popular and Broadway choral literature, some of which is enhanced by movement. Students are selected for this ensemble by audition only. The purpose of the MU Show Choir is to provide selected students throughout the university an opportunity to study, rehearse, and perform the aforementioned choral literature. The ensemble also serves as a learning environment for those pursuing a degree in music education and who will one day rehearse their own choirs. The group also serves as goodwill ambassadors for the University by performing for various organizations, schools, churches, and communities. May be repeated for credit.

**MUS-266      Aural Skills III    1.00-**

Continuation of MUS 167 emphasizing chromatic materials, modulating lines, four-part dictation, and aural analysis.

MUS-167 (Required, Previous).

**MUS-267      Aural Skills IV    1.00-**

Continuation of MUS 266 emphasizing advanced chromatic and twentieth-century aural materials.

MUS-167 (Required, Previous).

**MUS-268      History of Musical Theatre    3.00-**

A thorough survey of the history of Musical Theatre, beginning in the late eighteenth century and continuing through to Broadway and Off-Broadway today. Important trends, creators, shows, and stars will be studied, with special emphasis on the maturing of the American musical beginning with Jerome Kern. Cross-listed as THE-268.

**MUS-270      Woodwind Ensemble    0.50-1.00**

A small woodwind ensemble open to all students who qualify by audition. May be repeated for credit. Fee required.

**MUS-301      Chamber Singers      0.50-1.00**

A small mixed vocal ensemble open to men and women who qualify by audition. Non-music majors are welcome to audition and participate. May be repeated for credit. Fee required.

**MUS-302      University Choir      0.50-1.00**

A large mixed vocal ensemble open to men and women who qualify by audition. All students at Marian University are welcome to audition and participate in this group. May be repeated for credit.

**MUS-303      University Band      0.50-1.00**

The University Band is made up of students in any major with any amount of experience in band. The course focuses heavily on marching band earlier in the fall semester and gradually shifts toward a heavy focus on concert band by the end of the semester. The marching band performs at Marian University football games, other athletic events, parades, and high school marching festivals and competitions. The wind ensemble eventually takes over the same time block, starting with one rehearsal a week in September, and growing to three or four rehearsals a week (less marching band) by December. Most of

the information presented in this course is directly related to performance preparation. May be repeated for credit.

**MUS-304      Brass Ensemble      0.50-1.00**

A small brass ensemble open to all students who qualify by audition. May be repeated for credit. Fee required.

**MUS-305      Percussion Ensemble      0.50-1.00**

Prerequisite: open to all students by audition. This small percussion ensemble will rehearse and perform different styles of music including ethnic, classical, rock, jazz, contemporary, and ragtime. May be repeated for credit. Fee required.

**MUS-307      Jazz Band      0.50-1.00**

Open to all students by audition. This course will explore and perform music from the realm of classic American jazz, contemporary jazz, and studio music. May be repeated for credit. Fee required.

**MUS-308      Sacred Choir      0.50-1.00**

A mixed vocal ensemble open to men and women who qualify by audition. Non-music majors and people of all faiths are welcome to audition and participate. This choir performs sacred music only, and sings at all school liturgies as well as occasional outreach performances. In addition, each member is required to sing twice per month at a Marian University Sunday liturgy. May be repeated for credit.

**MUS-309      String Ensemble      0.50-1.00**

This course offers instruction on violin, viola, cello, and string bass instruments with a focus on the skills necessary for long-term success.

**MUS-325      Theory III      3.00-**

A continuation of the integrated theory courses on an advanced level.  
MUS-126 (Required, Previous). | MUS-266 (Required, Concurrent).

**MUS-326      Theory IV      3.00-**

Continuation of MUS-325.  
MUS-325 (Required, Previous). | MUS-267 (Required, Concurrent).

**MUS-328      Instrumental and Choral Arranging      2.00-**

A study of scoring techniques for instrumental and vocal ensembles.

**MUS-330      Basic Conducting      2.00-**

Introduction to acquiring skills for vocal and instrumental direction. Basic conducting is explored along with techniques of score reading and rehearsal preparation.  
MUS-125 (Required, Previous).

**MUS-331 Percussion Teaching Methods 2.00-**  
Study and pedagogy of the basic techniques of various percussion instruments K-12.

**MUS-340 Music of World Cultures 3.00-**  
A survey of music beyond traditional Western disciplines.

**MUS-342 String Teaching Methods 2.00-**  
This course is designed to teach the understanding of stringed instruments (violin, viola, cello, and bass) and general principles of string playing, as well as teaching methods for use in the beginning and intermediate instructions in the schools.

**MUS-344 Woodwind Teaching Methods 2.00-**  
This course is designed for music majors preparing to teach instrumental music. Students will study the basic techniques for playing and teaching the woodwind instruments.

**MUS-346 Brass Teaching Methods 2.00-**  
This course is designed to prepare music majors to teach fundamental brass skills in a classroom or private situation. Students will learn assembly and care techniques, develop fundamental technical skills on the instruments, and have a basic knowledge of literature for the instruments.

**MUS-348 Music History I 2.00-**  
This course is a survey of the history and literature of Western art and music from the Age of Antiquity through early Classical Period opera.  
MUS-125 (Required, Previous).

**MUS-349 Music History II 2.00-**  
This course is a survey of the history and literature of Western art and music from early Classical Instrumental Music through the Early 21st Century.  
MUS-125 (Required, Previous).

**MUS-350 Music History III 2.00-**  
A study of the language of music and its social meanings from the 19th century to the present.  
MUS-126 (Required, Previous).

**MUS-354 Instrumental Music Methods I ( 2.00-**  
Focuses on developing the knowledge, performances, and dispositions required of school instrumental music educators in elementary, middle school, and high school band/string settings. Topics include administration, curriculum development, literature selection, instructional planning, and teaching strategies.

**MUS-355 Developing the School Marching Band 2.00-**  
This course will present the basics of current and emerging instructional methods and creative

techniques related to school marching bands, with an emphasis on building and developing a sustainable instrumental music program of which the marching band is a significant part.  
MUS-126 (Required, Previous).

**MUS-356      Choral Music Methods I      2.00-**

Focuses on developing the knowledge, performances, and dispositions required of school choral music educators in elementary and middle school settings. Topics include administration, curriculum development, literature selection, instructional planning, and teaching strategies.

**MUS-357      Liturgical Music Preparation      3.00-**

This course provides an overview of many different styles and types of liturgical music used in parishes today. Students will receive practical experience in the preparation of music for the mass and other liturgical events.

MUS-257 (Required, Previous).

**MUS-358      World Drumming Ensemble      0.50-1.00**

Open to all students by approval of the instructor, this course will explore drumming from cultures around the world. Through rehearsals and performances, students will learn various styles of African drumming, Latin percussion and Afro-Cuban drumming, Brazilian drumming, and other world percussion techniques at the discretion of the instructor. The class will perform at least one concert to demonstrate the various styles learned during the semester. May be repeated for credit.

**MUS-359      Show Choir      0.50-1.00**

The MU Show Choir is a choral ensemble of mixed voices (soprano, alto, tenor, and bass) that sings a variety of popular and Broadway choral literature, some of which is enhanced by movement. Students are selected for this ensemble by audition only. The purpose of the MU Show Choir is to provide selected students throughout the university an opportunity to study, rehearse, and perform the aforementioned choral literature. The ensemble also serves as a learning environment for those pursuing a degree in music education and who will one day rehearse their own choirs. The group also serves as goodwill ambassadors for the University by performing for various organizations, schools, churches, and communities. May be repeated for credit. This course satisfies the writing intensive requirement in the student's major.

**MUS-365      Aural Skills II      1.00-**

Like spoken language, music is the language of organized sound with the purpose of communicating something significant between human beings. Just as the written word conveys our thoughts, music must be translated into written symbols in order for its message to be conveyed, shared and preserved. In "Translating the Language of Music," students will study the basic building blocks of musical construction such as intervals, chords and rhythm, learning to translate what they hear into musical notation. They will also translate written music into the sound it represents through singing and conducting.



**MUS-366      Aural Skills III    1.00-**

Like spoken language, music is the language of organized sound with the purpose of communicating something significant between human beings. Just as the written word conveys our thoughts, music must be translated into written symbols in order for its message to be conveyed, shared and preserved. In "Translating the Language of Music," students will study the basic building blocks of musical construction such as intervals, chords and rhythm, learning to translate what they hear into musical notation. They will also translate written music into the sound it represents through singing and conducting.

**MUS-370      Woodwind Ensemble    0.50-1.00**

A small woodwind ensemble open to all students who qualify by audition. May be repeated for credit. Fee required.

**MUS-373      Specialized Approaches to Vocal & Genera    2.00-**

A capstone course for Vocal-General majors and is intended to be taken just prior to the student teaching experience. Emphasis is placed on refining and expanding special techniques associated with general music and secondary choral music settings. The general portion will include an in-depth focus on the approaches of Orff, Kodaly, and CMP. The choral experience will focus on working with vocal jazz ensembles, madrigals, show choirs, and directing musicals. Both areas will offer the student significant opportunities for performance based assessment, and peer teachings.

**MUS-375      Instrumental Music Methods II 2.00-**

Focuses on developing the knowledge, performances, and dispositions required of school instrumental music educators in elementary, middle school, and high school band settings. Topics include administration, curriculum development, literature selection, instructional planning, and teaching strategies. This course will include a lab band.

**MUS-376      Choral Music Methods II      2.00-**

Focuses on developing the knowledge, performances, and dispositions required of school choral music educators in the high school setting. Topics include administration, curriculum development, literature selection, instructional planning, and teaching strategies.

MUS-356 (Required, Previous).

**MUS-380      Special Topics in Music Literature/Performance Skills    2.00-3.00**

A study in a concentrated area of music literature such as jazz, composition or a topic related to performance skills. The topic is selected by the music faculty according to the needs and interests of the students. May be offered for two or three credits. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**MUS-401      Chamber Singers      0.50-1.00**

A small mixed vocal ensemble open to men and women who qualify by audition. Non-music majors are

welcome to audition and participate. May be repeated for credit. Fee required.

**MUS-402      University Choir      0.50-1.00**

A large mixed vocal ensemble open to men and women who qualify by audition. All students at Marian University are welcome to audition and participate in this group. May be repeated for credit.

**MUS-403      University Band      0.50-1.00**

The University Band is made up of students in any major with any amount of experience in band. The course focuses heavily on marching band earlier in the fall semester and gradually shifts toward a heavy focus on concert band by the end of the semester. The marching band performs at Marian University football games, other athletic events, parades, and high school marching festivals and competitions. The wind ensemble eventually takes over the same time block, starting with one rehearsal a week in September, and growing to three or four rehearsals a week (less marching band) by December. Most of the information presented in this course is directly related to performance preparation. May be repeated for credit.

**MUS-404      Brass Ensemble      0.50-1.00**

A small brass ensemble open to all students who qualify by audition. May be repeated for credit. Fee required.

**MUS-405      Percussion Ensemble      0.50-1.00**

Prerequisite: open to all students by audition. This small percussion ensemble will rehearse and perform different styles of music including ethnic, classical, rock, jazz, contemporary, and ragtime. May be repeated for credit. Fee required.

**MUS-407      Jazz Band      0.50-1.00**

Open to all students by audition. This course will explore and perform music from the realm of classic American jazz, contemporary jazz, and studio music. May be repeated for credit. Fee required.

**MUS-408      Sacred Choir      0.50-1.00**

A mixed vocal ensemble open to men and women who qualify by audition. Non-music majors and people of all faiths are welcome to audition and participate. This choir performs sacred music only, and sings at all school liturgies as well as occasional outreach performances. In addition, each member is required to sing twice per month at a Marian University Sunday liturgy. May be repeated for credit.

**MUS-409      String Ensemble      0.50-1.00**

This course offers instruction on violin, viola, cello, and string bass instruments with a focus on the skills necessary for long-term success.

**MUS-430      Advanced Conducting 2.00-**

Prerequisite: 330. A practical application of basic conducting techniques along with the study and implementation of advanced techniques.

MUS-330 (Required, Previous).

**MUS-458      World Drumming Ensemble    0.50-1.00**

Open to all students by approval of the instructor, this course will explore drumming from cultures around the world. Through rehearsals and performances, students will learn various styles of African drumming, Latin percussion and Afro-Cuban drumming, Brazilian drumming, and other world percussion techniques at the discretion of the instructor. The class will perform at least one concert to demonstrate the various styles learned during the semester. May be repeated for credit.

**MUS-459      Show Choir    0.50-1.00**

The MU Show Choir is a choral ensemble of mixed voices (soprano, alto, tenor, and bass) that sings a variety of popular and Broadway choral literature, some of which is enhanced by movement. Students are selected for this ensemble by audition only. The purpose of the MU Show Choir is to provide selected students throughout the university an opportunity to study, rehearse, and perform the aforementioned choral literature. The ensemble also serves as a learning environment for those pursuing a degree in music education and who will one day rehearse their own choirs. The group also serves as goodwill ambassadors for the University by performing for various organizations, schools, churches, and communities. May be repeated for credit.

**MUS-461      Contemporary Issues Music Education 2.00-**

Observation and application of specialized music teaching techniques and curricular issues in ensemble and small group settings. Emphasizes performance-based assessment, classroom management, continued portfolio development, cooperative learning strategies, reflective evaluation, and critical thinking skills. A weekly seminar includes music classroom application of universal design for learning, strategies for English language learners, reading in the content area, and special needs accommodations in the music classroom. Students enrolled in MUS 461 MUST have completed ALL music education method courses with a minimum grade of C. Be reminded that junior standing on your primary instrument MUST be achieved in order to be eligible for student teaching, you must have passed your upper divisional.

**MUS-470      Woodwind Ensemble    0.50-1.00**

A small woodwind ensemble open to all students who qualify by audition. May be repeated for credit. Fee required.

**MUS-490      Music Seminar 3.00-**

In this capstone course, students pursue advanced studies which utilize and reinforce knowledge and abilities gained. The topics vary according to the course of study of the student (vocal or instrumental music performance, vocal or instrumental music education). As a final integration of general education goals with the major, a common college theme is incorporated into the seminar. Attendance at

convocations required.

**MUS-499      Independent Study      2.00-3.00**

Guided readings and research. May enroll for two to three credits.

**NSG-129      Nursing Concepts and Connections      1.00-**

Open to nursing majors only. This course introduces concepts of nursing and their relationship to professional nursing practice.

**NSG-201      Health Assessment and Communication      4.00-**

This course introduces students to the knowledge, skills and attitudes needed to care for individuals across the lifespan. Students will demonstrate holistic nursing assessment, therapeutic communication skills and interprofessional collaboration in patient-centered care.

**NSG-201C      Health Assessment and Communication Clinical      -**

NSG-201 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester.

NSG-201 (Required, Concurrent).

**NSG-211      Pathophysiology      3.00-**

This course systematically focuses on etiologic factors and their impact on the structure, function and adaptive capabilities of cells, tissues and organs in the human body. A variety of disease processes and their unique clinical manifestations including laboratory diagnostics are studied in detail. This course prepares the student with the pathophysiological foundation required to provide nursing care.

BIO-214 (Recommended, Previous or concurrent). | BIO-225 (Recommended, Previous or concurrent). |

BIO-226 (Recommended, Previous or concurrent). | CHE-100 (Recommended, Previous or concurrent).

**NSG-221      Community Health Concepts      2.00-**

This course focuses on the core knowledge, skills and attitudes of community health nursing as applied to individuals, families, communities and populations. This course prepares the student with the theoretical foundation required to provide community-based and community-oriented nursing care.

**NSG-233      Nutrition      1.00-**

This course focuses on major nutritional concepts and prepares the student with the knowledge, skills and attitudes to promote health and reduce chronic disease risk through education on healthful diets for individuals, families and communities.

**NSG-241      Fundamentals      4.00-**

This course prepares the student with the knowledge, skills, attitudes and foundational nursing concepts needed to provide evidence-based, patient-centered care in a variety of healthcare settings. Students

will provide nursing care in a clinical setting.

NSG-201 (Required, Previous or concurrent). | NSG-251 (Required, Previous or concurrent). | NSG-211 (Required, Previous or concurrent). | NSG-221 (Required, Previous or concurrent).

**NSG-241C      Fundamentals Clinical -**

NSG-241 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester.

NSG-241 (Required, Concurrent).

**NSG-251      Pharmacology and Dosage With Lab I    4.00-**

This course provides the student with the knowledge of pharmacology, dosage calculation and nursing knowledge, skills and attitudes required to safely administer selected medications. Simulation and laboratory experience will be incorporated into the course.

NSG-201 (Required, Previous or concurrent). | NSG-241 (Required, Previous or concurrent). | NSG-211 (Required, Previous or concurrent). | NSG-221 (Required, Previous or concurrent).

**NSG-251L      Pharmacology and Dosage Lab -**

NSG-251 lab.

NSG-251 (Required, Concurrent).

**NSG-307      Care of the Childbearing Client in Community    3.00-**

This course uses the nursing process as a framework and prepares students with the knowledge, skills and attitudes to provide evidence-based, family-centered nursing care for childbearing women

NSG-241 (Required, Previous). | NSG-251 (Required, Previous). | PSY-220 (Required, Previous).

**NSG-307C      Care of the Childbearing Client Clinical -**

NSG-307 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester

NSG-307 (Required, Concurrent).

**NSG-310      Legal and Ethical Aspects of Health Care      2.00-**

Open to all majors. This course focuses on the legal and ethical aspects affecting health care. Topics include legal/ethical rights and responsibilities, court decisions, theories and principles of bioethics, various dilemmas with ethical and legal ramifications, and current trends. This course is offered only in the MAP program.

NSG-328 (Required, Previous).

**NSG-317      Care of the Pediatric Client in Community      3.00-**

This course uses the nursing process as a framework and prepares students with the knowledge, skills and attitudes to provide evidence-based, family-centered nursing care for children.

NSG-241 (Required, Previous). | NSG-251 (Required, Previous). | PSY-220 (Required, Previous).

**NSG-317C      Care of the Pediatric Client Clinical      -**

NSG-317 clinical. For the campus based nursing students: Clinical schedule is subject to change to due

clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester.

NSG-317 (Required, Concurrent).

**NSG-328          Nursing Seminar          3.00-**

This course focuses on the transition of the associate and diploma nurse to bachelor nursing practice. Nursing theories provide the framework for discussion of professional practice. Topics for discussion include advanced practice roles, graduate education, selected ethical/legal issues, health care economics, and the role of nursing in the legislative/political process. Current trends and issues in nursing are explored. This course is offered only in the MAP program.

**NSG-331          Care of the Adult in Comm/Acute Care Settings I          5.00-**

This course provides the knowledge, skills and attitudes to provide health promotion and nursing management of select disease processes for individuals through evidence-based, patient-centered care. Students utilize the nursing process to manage acute and chronic physical and psychosocial conditions in adults across a variety of healthcare settings.

NSG-201 (Required, Previous). | NSG-211 (Required, Previous). | NSG-221 (Required, Previous). | NSG-241 (Required, Previous). | NSG-251 (Required, Previous). | NSG-331C (Recommended, Concurrent).

**NSG-331C          Care of the Adult in Comm/Acute Care Sett I Clinical          -**

NSG-331 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester.

NSG-331 (Required, Concurrent).

**NSG-335          Mental Health Nursing 4.00-**

This course uses the nursing process as a framework and prepares students with the knowledge, skills and attitudes to provide evidence-based nursing care of the patient with mental health illness and comorbid conditions to support optimal wellness. Students will utilize therapeutic communication skills in the delivery of care for patients within the clinical milieu.

NSG-201 (Required, Previous). | NSG-211 (Required, Previous). | NSG-221 (Required, Previous). | NSG-241 (Required, Previous). | NSG-251 (Required, Previous). | PSY-230 (Required, Previous). | NSG-335C (Recommended, Concurrent).

**NSG-335C          Mental Health Nursing Clinical -**

NSG-335 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester

NSG-335 (Required, Concurrent).

**NSG-343          Research and Informatics          3.00-**

This course provides an introduction to nursing research, clinical informatics and new technologies. Students will develop the knowledge, skills and attitudes needed to investigate, interpret and translate

nursing and biomedical research, as well as other sources of biomedical information. This course fulfills the writing-intensive course requirement for majors in Nursing.  
PSY-205 or BUS-205 (Required, Previous).

**NSG-360 Internship in Nursing 2.00-**  
An approved internship in the field of nursing.

**NSG-410 Gerontological Issues in Health Care 2.00-**  
This course focuses on the physical, psychological, and social challenges faced by older adults. Topics include demographic shifts, the normal aspects of aging, functional assessment of activities of daily living and cognition, safety issues, polypharmacy, loss, elder abuse, and community resources. This course is offered only in the MAP program.  
NSG-328 (Required, Previous).

**NSG-418 Service in Global/Local Communities 3.00-**  
Open to all majors. This course focuses on cross-cultural healthcare missions/service. A local or overseas field experience is required. The course partially satisfies the general education requirement in the cultural awareness general education requirement. This course partially satisfies the San Damiano requirements.  
=Junior or senior class standing (62 credits); open to all majors (Required, Previous).

**NSG-421 Integrative Health Practices 2.00-**  
This course examines holistic nursing and integrative health care practices. Topics may include acupuncture, homeopathics, therapeutic touch, music therapy, meditation, aromatherapy, and current trends.

**NSG-425 Holistic Self-Care 2.00-**  
Open to all majors. The purpose of the course is to recognize the relationship between personal health, self-renewal, and the ability to deliver sustained quality care. A holistic approach emphasizing nutrition, exercise, spiritual, and emotional health which empowers and inspires one to make a difference in one's own life in order to effectively care for others.

**NSG-427 Bereavement and End of Life Care 2.00-**  
This course provides the student with knowledge to assist the patient, family, and other healthcare professionals addressing issues related to bereavement and end of life care. This course partially satisfies the San Damiano requirements.  
NSG-201 (Required, Previous). | NSG-211 (Required, Previous). | NSG-221 (Required, Previous). | NSG-241 (Required, Previous). | NSG-251 (Required, Previous).

**NSG-429 Care of the Critically Ill 3.00-**  
This course focuses on the acute care of the critically ill patient. Emphasis is placed on the nursing process in the critical care environment. Clinical opportunities are available in selected critical care settings  
NSG-331 (Required, Previous).

**NSG-430            Caring and Healing Through the Arts in Nursing            3.00-**

This course provides an opportunity for students to study the concepts and principles of art and science essential for caring, healing and self-discovery. Students will explore works of art, storytelling, art in the health care setting, healing gardens and sacred spaces through the dual lens of the nurse and the patient. Students will participate in field trips, self-guided tours, reflective journaling and creative expression.

NSG-241 (Required, Previous).

**NSG-431            Care of the Adult in Comm/Acute Care Settings II            5.00-**

This course provides the knowledge, skills and attitudes to provide health promotion and nursing management of increasingly complex disease processes for individuals through evidence-based, patient-centered care. Students utilize the nursing process to manage acute and chronic physical and psychosocial conditions in adults across a variety of healthcare settings.

NSG-331 (Required, Previous).

**NSG-431C            Care of the Adult in Comm/Acute Care Set II Clinical            -**

NSG-431 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester.

NSG-431 (Required, Concurrent).

**NSG-435            Spirituality in Healthcare            2.00-**

Open to all majors.. This course focuses on the spiritual aspects related to healthcare across the lifespan. Professional, ethical, and legal aspects are explored. The stages of spiritual development and implication of appropriate spiritual care provide a basis for understanding the spiritual dimension of healthcare. This course partially satisfies the San Damiano requirements.

**NSG-441            Leadership/Community in the Nursing Profession            4.00-**

This course addresses leadership and management concepts in professional nursing. Students will apply nursing knowledge, skills and attitudes necessary to deliver care in a variety of health care settings.

NSG-328 or NSG-431 (Required, Previous).

**NSG-441C            Leadership/Community in the Nursing Prof Clinical            -**

NSG-441 clinical. For the campus based nursing students: Clinical schedule is subject to change to due clinical site availability and student enrollment. Students may be moved from their preferred clinical day as needed based on registration date and time stamp. Students will be notified of any changes prior to the start of the semester.

NSG-441 (Required, Concurrent).

**NSG-445            Global Women's Health Issues            2.00-**

Open to all majors. This course examines the health issues of women in the twenty-first century. Physical, emotional, and social influences are identified. Major health issues of women such as heart disease, HIV/AIDS, depression, abuse, midlife changes, and aging are included. International Health Policies (IHP) as they relate to women's health will be scrutinized. This course partially satisfies the



cultural awareness general education requirement.

**NSG-450            Community Health Nursing            4.00-**

The focus of the course is to synthesize knowledge of nursing concepts as applied to individuals, family, and community. The nursing process is used to promote, maintain, and restore health in the community across environments, as well as provide healthcare that is sensitive to the needs of vulnerable populations across the lifespan. Management of direct and indirect care of socio-culturally diverse clients and aggregates is emphasized as well as application of research findings in the practice of community health nursing. Two lecture hours per week and 90 clinical hours per semester. This course is offered only in the MAP program.

NSG-328 (Required, Previous).

**NSG-451            Clinical Immersion Experience            5.00-**

This course provides an opportunity to apply nursing knowledge, skills and attitudes in a clinical immersion experience. Additional knowledge acquisition will be complemented by simulation and seminar activities.

NSG-431 (Required, Previous).

**NSG-451C            Clinical Immersion Experience Clinical            -**

NSG-451 clinical.

NSG-451 (Required, Concurrent).

**NSG-478            Foundations of Faith Community Nursing            3.00-**

Open to second semester senior Nursing majors only. This course provides the foundations of faith community nursing (FCN). FCN is a specialty nursing practice combining professional nursing and health ministry. The emphasis is on health and healing within the faith community and community at large. The four major concepts will be covered including; spiritual dimension, professionalism, holistic health and community. This course meets the requirements of the core curriculum established by the Westberg Institute. This course partially satisfies the San Damiano requirements.

Senior class standing (94 credits) (Required, Previous).

**NSG-480            Special Topics in Nursing            1.00-3.00**

A special study which focuses on a topic or selected problem in nursing, subject to the approval and supervision of an assigned nursing instructor. These topics may address any of the following: nursing needs of a contemporary society, advanced nursing care, advanced nursing professional issues or health care in the future. The course is recommended for nursing majors. May enroll for one to three credits. Fee required. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**NSG-490            Senior Seminar            1.00-**

This course is the departmental seminar for majors in nursing and incorporates the general education senior topic and text.

Senior class standing (94 credits) (Required, Previous).

**NSG-493          Transition to Practice    2.00-**

This course guides student preparation for professional practice and the national licensure exam through the use of classroom activities and electronic resources.

NSG-431 (Required, Previous).

**NSG-498          Directed Research          1.00-**

This course provides an opportunity for senior nursing students with special interest in research to be under the guidance of faculty while conducting nursing research. The students will apply research methodology, gather and analyze data, and report their findings with an APA-style manuscript.

NSG-343 (Required, Previous). | PSY-205 (Required, Previous). | Senior class standing (94 credits) (Required, Previous).

**NSG-500          Biostatistics          3.00-**

This course focuses on quantitative approaches to analyzing complex health data. Descriptive and inferential statistical methods will be used to examine scientific evidence and translate it to clinical practice.

**NSG-501          Epidemiology and Biostatistics for Advanced Practice    3.00-**

This is a pre-requisite for the nurse anesthesia program and a requirement for the family nurse practitioner program. This course focuses on an epidemiological approach used to understand complex causes of public health problems. The development and applications of methods to collect, analyze and interpret public health data is examined.

**NSG-502          Theoretical Foundations of Nursing Practice    3.00-**

This course focuses on foundational theories and research in nursing and other allied theories related to education. Concepts and theoretical foundations will be researched, analyzed and applied. The concept of servant teacher/leader will be integrated along with the Franciscan values.

**NSG-503          Advanced Physiology and Pathophysiology Across the Lifespan 3.00-**

This course focuses the knowledge of advanced physiology and pathophysiology. The topics focus on the normal physiology and abnormal physiological mechanisms of disease. The knowledge gained serves as a foundation for clinical assessment, decision making and management of patient care.

**NSG-504          Advanced Pharmacology          3.00-**

This course will expand pharmacological principles needed for safe medication administration and assessment. Poly-pharmacy, drug interactions and identification of adverse reactions will be comprehensively explored.

NSG-503 (Required, Previous).

**NSG-505          Policy, Organization and Financing of Health Care    3.00-**

This course will explore health care policy and the role of the nurse in developing and analyzing policy components that impact the nursing care and the health of the society. The focus will be on current

trends in organizational and financial structure of health care institutions.

**NSG-506            Advanced Health Assessment    3.00-**

This course focuses on the skills necessary to perform an advanced health history and health assessment. A holistic approach with an emphasis on health promotion and disease prevention will be explored.

**NSG-507            Nursing Research            3.00-**

This course will provide the scientific base to utilize research to provide high quality health care, initiate change and create policy and procedures. Students will explore in depth evidenced based research concerning specific clinical and/or educational challenges.

**NSG-510            Principles of Epidemiology    3.00-**

Descriptive and analytic epidemiology will be applied to the study of determinants of health in populations. The course will cover the history and application of epidemiology, basic quantitative field measures and methods, and an introduction to the design and implementation of epidemiological studies. Infectious diseases, surveillance/screening, and disease transmission and causality will be addressed

**NSG-512            Teaching and Learning    3.00-**

This course focuses on foundation theories and research in nursing education. The art of teaching will be explored through a variety of teaching methodologies and strategies. Faculty role socialization is embraced with concepts such as the Franciscan Values and servant teacher.

**NSG-513            Measurement and Evaluation    3.00-**

This course will examine curriculum, classroom and clinical performance evaluation. Students will analyze and create processes to evaluate learner outcomes. Knowledge of standards and benchmarks will be applied to improve outcomes.

**NSG-514            Curriculum Development in Nursing    3.00-**

In this course, the student will understand challenges in designing a nursing curriculum including the need for a logical and reliable design. One of the outcomes of the course is to develop a curriculum that is consistent with the parent institution, the philosophy of the faculty, research guidelines and standards.

**NSG-515            Role of the Nurse Educator    3.00-**

This course will explore the role of the nurse educator as a master's prepared nurse according to the Boyer Domains.

**NSG-517 Course/Program/Project Development 3.00-**

This course will provide students an opportunity to pursue an area of interest not covered in or more in depth than existing courses. The students will develop a course/program in the area of interest. A learning contract will be developed with a faculty advisor who possesses special competence in the area involved.

**NSG-560 Nursing Educator Practicum 5.00-**

This course will provide the student with active experiences in nursing education. The preceptor model will be utilized to model and facilitate educational experiences. Nurse Educator Practicum planning will be based on self-assessment of the graduates in a portfolio. This portfolio will be used to plan the number of clinical hours in teaching groups (class or community), teaching individuals (clinical or orientation), and simulation (students or continuing education). Graded S/U.

NSG-502 (Required, Previous). | NSG-504 (Required, Previous). | NSG-505 (Required, Previous). | NSG-506 (Required, Previous). | NSG-507 (Required, Previous). | NSG-512 (Required, Previous). | NSG-513 (Required, Previous). | NSG-514 (Required, Previous). |

**NSG-580 Special Topics in Graduate Nursing. 3.00-**

These topics may address any of the following: nursing needs of a contemporary society, advanced nursing care, advanced nursing professional issues or health care in the future. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**NSG-598 Directed Research 3.00-**

This course provides an opportunity for graduate nursing students with special interest in research to be under the guidance of faculty while conducting nursing research.

**NSG-599 Independent Study 3.00-**

Guided readings or research.

**NSG-601 Neurobiology/Neuroanatomy 3.00-**

This course is a review of the nervous system integrating information and topics from the disciplines of anatomy, histology, neurobiology and neurology, integrating structure, function, and organization of nervous tissue from the cellular through gross anatomic aspects. Central, peripheral and autonomic portions of the system are included. Lectures are designed for clinical correlation in support of, and to strengthen, the basic science content. A review of the normal structure and function of these systems including the growth, development, maturation and aging of these systems are included for study.

**NSG-602 Scientific Foundation for the Family Nurse Practitioner Role 3.00-**

This course explores the theoretical foundation for family-centered primary care. Other key principles examined are regulation of the family nurse practitioner, issues of advocacy, health disparities, healthcare economics and financing, health literacy, health policy, medical ethics and the sociocultural factors influencing the health behaviors and health outcomes of the individual and family.

**NSG-603      Advanced Pharmacology for Nurse Anesthesia I 3.00-**

This course entails a comprehensive study of anesthetic agents and adjuvants along with drugs frequently encountered in the perioperative setting. The pharmacokinetics and pharmacodynamics of these drugs are addressed, along with potential drug interactions, the impact of aging and various disease processes on dosing and administration of these drugs.

**NSG-604      Clinical Differential Judgment and Diagnosis    3.00-**

This course focuses on clinical reasoning and the diagnostic process used in health promotion, disease prevention and management of acute and chronic conditions seen in primary care of the individual and family. Knowledge and clinical skills learned in advanced physiology and pathophysiology, advanced pharmacology and advanced health assessment are applied to diagnostic reasoning. Case studies help the student formulate comprehensive differential diagnoses of common disease processes and teach appropriate use and interpretation of advanced diagnostic tests available to the family nurse practitioner in primary care. FNP scope of practice, ethical and financial considerations are also examined.

NSG-506 (Required, Previous). | NSG-504 (Required, Previous).

**NSG-605      Scientific Concepts for Anesthesia Practice    4.00-**

This course is designed to assist the nurse anesthesia graduate student in applying the basic principles of chemistry and physics in nurse anesthesia practice to include, but not limited to: gas laws, principles of vaporization, use of ventilator equipment, anesthetic agent chemical actions, physics as applied to monitoring and anesthesia equipment, biochemical sciences related to anesthesia practice. A review of medical mathematics is included, as well as, a review of radiation safety (x-ray, MRI) and ultrasound.

**NSG-607      Anesthesia Principles I 3.00-**

This course is designed to provide the student with a comprehensive orientation of the practice of anesthesia. The student will gain the necessary knowledge to incorporate safe, basic principles into the delivery of competent anesthesia care to the patients. Through observation and simulation, the student will begin developing generalized clinical skills for basic anesthesia practice. These skills are foundational to nurse anesthesia practice and will serve as the basis for the student's progression to more advanced anesthesia care.

NSG-607S (Required, Concurrent).

**NSG-607S      Anesthesia Principles I Simulation    1.00-**

This course incorporates student didactic learning experiences of Anesthesia Principles I into simulation training in the Nurse Anesthesia Simulation Lab. Graded S/U.

NSG-607 (Required, Concurrent).

**NSG-608      Integrated Behavioral Health and Family Systems    3.00-**

This course focuses on the integration of behavioral health and family systems concepts into primary care across the lifespan. Emphasis is on the role of the advanced practice nurse in the synthesis and integration of theoretical models upon which to base collaborative clinical practice in primary care and behavioral health care settings.

**NSG-609            Advanced Pharmacology for Nurse Anesthesia II            3.00-**

This course continues a comprehensive study of anesthetic agents and adjuvants along with drugs frequently encountered in the perioperative setting. The pharmacokinetics and pharmacodynamics of these drugs are addressed, along with potential drug interactions, the impact of aging and various disease processes on dosing and administration of these drugs.

NSG-603 (Required, Previous).

**NSG-610            Family Nurse Practitioner Comprehensive            1.00-**

This course serves as a board review for the Family Nurse Practitioner certification examination.

**NSG-611            Anesthesia Principles II 3.00-**

Anesthesia Principles II includes anesthetic management principles for surgical specialty areas, pain management, ultrasound and radiology. Students will master competencies in anatomic, physiologic, pathophysiologic and pharmacologic principles for each of the surgical specialty areas addressed in this course, in the framework of advanced nursing practice to the practice doctoral level.

NSG-607 (Required, Previous). | NSG-611S (Required, Concurrent).

**NSG-611S          Anesthesia Principles II Simulation            1.00-**

This course incorporates student didactic learning experiences of Anesthesia Principles II into simulation training in the Nurse Anesthesia Simulation Lab. Graded S/U.

NSG-611 (Required, Concurrent).

**NSG-613            Anesthesia Principles III            3.00-**

This course focuses on anesthetic care principles for parturients, children, infants and neonates. Students will master related anatomic, physiologic, pathophysiology and pharmacologic principles for obstetric and pediatric anesthesia in the framework of advanced nursing practice at the practice doctorate level.

NSG-607 (Required, Previous). | NSG-611 (Required, Previous). | NSG-613S (Required, Concurrent).

**NSG-613S          Anesthesia Principles III Simulation            1.00-**

This course incorporates student didactic learning experiences of Anesthesia Principles III into simulation training in the Nurse Anesthesia Simulation Lab. Graded S/U.

NSG-613 (Required, Concurrent).

**NSG-615            Anesthesia Seminar I            2.00-**

The seminar courses provide an open forum for class discussion on current issues related to the role of the nurse anesthetist. This course is designed to provide the nurse anesthesia student with knowledge of chemical dependency, wellness, and ethical issues related to the specialty of anesthesia.

**NSG-617            Anesthesia Seminar II            2.00-**

This course is designed to review the history of nurse anesthesia in the United States and provide insight into nurse anesthesia on the international level. Challenges to nurse anesthesia practice, ethical considerations, and current trends in nurse anesthesia will be explored. The role of the American Association of Nurse Anesthetists and the International Federation of Nurse Anesthetists will be

presented and discussed.

**NSG-619 Anesthesia Seminar III 2.00-**

This seminar will provide nurse anesthesia students with an overview of anesthesia employment arrangement, contracts, billing requirements, legal issues, and other business related issues or matters related to the practice of anesthesia.

**NSG-660 Primary Care Adults and Older Adults And Clinical Practicum 7.00-**

This course focuses on the health assessment and management of common acute and chronic health conditions seen in primary care of adults and older adults. Health promotion, disease prevention, ethical considerations and differentiating normal from abnormal health assessment findings are emphasized. The clinical practicum will focus on the application of the health assessment and management skills. NSG-503 (Required, Previous). | NSG-504 (Required, Previous). | NSG-506 (Required, Previous).

**NSG-661 Basic Clinical Anesthesia Practice I 3.00-**

This course will provide a foundation in nurse anesthesia basic principles. The clinical experiences are designed to provide students with progressive development of anesthesia knowledge, skills and competencies in anesthesia practice while also applying basic and advanced principles of anesthetic management in various surgical specialty areas. Graded S/U.

**NSG-662 Primary Care Children and Clinical Practicum 5.00-**

This course focuses on the health assessment and management of common acute and chronic health conditions seen in primary care of children. Health promotion, disease prevention, ethical considerations and differentiating normal from abnormal health assessment findings are emphasized. The clinical practicum will focus on the application of the health assessment and management skills. NSG-660 or NSG-672 (Required, Previous).

**NSG-663 Clinical Anesthesia Practice II 3.00-**

This course will provide a foundation in nurse anesthesia basic principles. The clinical experiences are designed to provide students with progressive development of anesthesia knowledge, skills and competencies in anesthesia practice while also applying basic and advanced principles of anesthetic management in the designated surgical specialty areas. Graded S/U. NSG-661 (Required, Previous).

**NSG-664 Primary Care Women and Clinical Practicum 5.00-**

This course focuses on the health assessment and management of common acute and chronic health conditions seen in the primary care of women. Health promotion, disease prevention, ethical considerations and differentiating normal from abnormal health assessment findings are emphasized. The clinical practicum will focus on the application of the health assessment and management skills. NSG-660 or NSG-672 (Required, Previous).

**NSG-665 Clinical Anesthesia Practice III 3.00-**

This course will provide a foundation in nurse anesthesia basic principles. The clinical experiences are designed to provide students with progressive development of anesthesia knowledge, skills and

competencies in anesthesia practice while applying basic and advanced principles of anesthetic management in various surgical specialty areas. Graded S/U.

NSG-661 (Required, Previous). | NSG-663 (Required, Previous).

**NSG-667          Nurse Anesthesia Immersion I   5.00-**

The immersion provides nurse anesthesia students with an opportunity to achieve specialty competence at the practice doctorate level. Anesthesia clinical practice is planned between the student and the faculty while clinical experiences are completed via the assistance, support and leadership of the approved clinical preceptors and clinical site coordinators. This is the first in a series of three clinical residency courses. Graded S/U.

**NSG-668          Nurse Anesthesia Immersion II   5.00-**

The immersion will provide nurse anesthesia students with an opportunity to achieve specialty competence at the practice doctorate level. Anesthesia clinical practice is planned between the student and the faculty while clinical experiences are completed via the assistance, support and leadership of the approved clinical preceptors and clinical site coordinators. This is the second in a series of three clinical residency courses. Graded S/U.

NSG-667 (Required, Previous).

**NSG-669          Nurse Anesthesia Immersion III          5.00-**

The immersion will provide nurse anesthesia students with an opportunity to achieve specialty competence at the practice doctorate level. Anesthesia clinical practice is planned between the student and the faculty while clinical experiences are completed via the assistance, support and leadership of the approved clinical preceptors and clinical site coordinators. This is the third in a series of three clinical residency courses. Graded S/U.

NSG-668 (Required, Previous).

**NSG-670S          Anesthesia Crisis Management Simulation          2.00-**

This course utilizes simulation based learning to review and manage anesthesia clinical crises. Graded S/U.

**NSG-672          Primary Care Across the Lifespan I          5.00-**

This course provides a foundation for Family Nurse Practitioner student in the recognition and management of selected common chronic and acute health problems of clients across the lifespan encountered in primary health care settings. The course integrates assessment, current research findings and theory into the diagnostic reasoning and management of health care. Basic concepts of health promotion and maintenance, anticipatory guidance, health education, behavioral management strategies and family focused care are emphasized. Clinical experiences are utilized for the application of knowledge to practice.

NSG-604 (Required, Previous).

**NSG-674          Primary Care Across the Lifespan II          6.00-**

This course provides in-depth concepts and skills for Family Nurse Practitioner student in the recognition and management of selected common chronic and acute health problems of clients across the life span encountered in primary health care settings. The course integrates assessment, current research



findings and theory into the diagnostic reasoning and management of health care. Concepts of health promotion and maintenance, anticipatory guidance, health education, behavioral management strategies and family focused health care are emphasized. Clinical experiences are utilized for the application of knowledge to practice.

NSG-672 or NSG-660 (Required, Previous).

**NSG-676 Primary Care Across the Lifespan III 6.00-**

This course is a comprehensive application of concepts and skill for primary care the lifespan. The course continues to focus on in-depth concepts and skills for the Family Nurse Practitioner student in recognition and management of selected common chronic and acute health problems of clients across the lifespan encountered in primary health care settings. The course integrates assessment, current research findings and theory into the diagnostic reasoning and management of health care. Concepts of health promotion and maintenance, anticipatory guidance, health education, behavioral management strategies and family focused health care are emphasized. Clinical experiences are utilized for the application of knowledge to practice.

NSG-674 or NSG-662 (Required, Previous).

**NSG-678 Primary Care Immersion 7.00-**

This transition-to-practice immersion experience prepares the student for an entry level FNP role. The immersion provides a depth, breadth, volume and intensity of clinical training necessary to manage patients in the evolving and increasingly complex healthcare environment. Seminars that address Family Nurse Practitioner related topics and role issues are offered to help the student transition into practice.

NSG-664 or NSG-676 (Required, Previous). | NSG-662 or NSG-674 (Required, Previous). | NSG-660 or NSG-672 (Required, Previous).

**NSG-680 Special Topics 1.00-3.00**

This course will explore a special topic that is relevant to the current health care environment. The special topic being discussed can change each semester, staying current with health care trends and concerns of the communities we serve.

**NSG-699 Independent Study 1.00-**

Independent study in the field of nursing.

**NSG-701 Analytical Methods for the Translation Of Evidence Into Prac 3.00-**

This course focuses on the analysis of scientific evidence and the translation into clinical practice. There is also an emphasis on the ethical and financial impact of evidence-based practice.

NSG-507 (Required, Previous).

**NSG-702 Systems and Program Planning for Quality Improvement 3.00-**

This course focuses on the role of the DNP in the practice setting. The course will explore political skills, systems thinking, legal aspects and business and financial acumen to identify, develop and implement health care policies that are safe and financially responsible. Experiential exercises allow for the creation of programs to promote health or prevent disease that will improve and be measured by healthcare outcomes. The course provides opportunities to work in interprofessional teams.

**NSG-704 Professional Leadership and Collaboration 3.00-**

This course focuses on methods for effective communication, conflict resolution, advocacy and interprofessional collaboration to improve and transform health care. The student will practice effective team leadership, facilitate team function and overcome barriers to inter-professional practice.

**NSG-705 Information Management to Improve Healthcare 3.00-**

This course focuses on information technology and its application in healthcare settings. Emphasis is on the analysis, implementation and selection of systems to improve healthcare.

**NSG-706 DNP Project I 1.00-**

The DNP Project course series provides the student a mentored opportunity to integrate the DNP essentials into practice and demonstrate clinical scholarship by way of a final scholarly project (i.e., DNP project) aimed to improve system/practice outcomes. The DNP project may take on various final forms depending on the student's area of advanced nursing practice. This first of a 3-course series focuses on planning (e.g., identification of the phenomenon of interest and proposal development) of the DNP project.

NSG-510 (FNP) or NSG-502, NSG-507, and NSG-701 (CRNA) (Required, Previous).

**NSG-707 DNP Project II 1.00-**

The DNP Project course series provides the student a mentored opportunity to integrate the DNP essentials into practice and demonstrate clinical scholarship by way of a final scholarly project (i.e., DNP project) aimed to improve system/practice outcomes. The DNP project may take on various final forms depending on the student's area of advanced nursing practice. This second of a 3-course series focuses on the implementation of the DNP project.

NSG-706 (Required, Previous).

**NSG-708 DNP Project III 1.00-**

The DNP Project course series provides the student a mentored opportunity to integrate the DNP essentials into practice and demonstrate clinical scholarship by way of a final scholarly project (i.e., DNP project) aimed to improve system/practice outcomes. The DNP project may take on various final forms depending on the student's area of advanced nursing practice. This is the third of a 3-course series focuses on the evaluation and dissemination of the DNP project.

NSG-707 (Required, Previous).

**NSG-780 Special Topics in Health Care 1.00-**

This course will explore a special topic that is relevant to the current health care environment, e.g., Opioid Epidemic, Human Trafficking, Teen Suicide, Gun Violence, Self-Care, Obesity Epidemic, etc. The special topic being discussed will change each semester, staying current with health care trends and concerns of the communities we serve. This course is open to all graduate nursing students as well as graduate students from other programs. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**NUA-100      Dosage Calculations      3.00-**

**NUA-120      Fundamentals of Nursing      6.00-**

The student will identify basic human needs and develop conceptual skills required for therapeutic nursing interventions with culturally diverse individuals. Students will learn beginning concepts of safety, informatics, and patient-centered care. Student focus is placed on providing a solid foundation of basic technical and interpersonal skills. Students will provide total care for one patient in the long-term care setting. The nursing process is introduced, including its application to nursing care, using clinical and laboratory settings.

**NUA-121      Medical/Surgical I      5.00-**

Based on latest evidence for patient-centered care, the student will develop multifaceted psychomotor skills in a variety of settings and will begin to assimilate into the nursing role. Students will be provided opportunities to administer safe, technologically-current care to individuals experiencing chronic stable and common acute health conditions in acute care and community settings. Students will provide total care for at least one patient in the acute care setting.

NUA-120 (Required, Previous).

**NUA-130      Medical Terminology for Nursing      2.00-**

Students will understand and properly use basic and specialized medical terminology including vocabulary related to normal physiological and disease processes.

**NUA-135      LPN to ASN Transition      3.00-**

The focus of this course is on the role development and transition of the LPN to the RN. The course introduces the student to the definition, roles and responsibilities of the registered nurse in providing nursing care to clients, families and groups, and communities in their environment. Role concepts essential for the RN to provide and manage care as a member of the profession are emphasized. The student will utilize critical thinking as it relates to the assessment, diagnosis, management and evaluation in the provision of professional nursing practice. Principles of evidence based nursing research will be identified to guide the teaching/learning process.

**NUA-200      Medical-Surgical Nursing II      5.00-**

Based on latest evidence for patient-centered care, the student will practice complex psychomotor skills in a variety of settings and continue to assimilate into the nursing role. Students are provided opportunities to administer safe, technologically-current care to individuals experiencing increasingly complex chronic and acute health conditions. Students will provide total care for at least one patient in the acute care setting.

NUA-121 (Required, Previous).

**NUA-215      Pharmacology      3.00-**

The student will develop and/or strengthen study, test-taking, and critical thinking skills for safe professional nursing practice. Basic mathematical concepts and dosage calculations will be practiced.

This course begins the student nurse's education on the concepts of Pharmacotherapeutics and establishes a base of knowledge that applies to patient care and education. Understanding of the major drug classifications, their physiological and pathophysiological using the nursing process will be mastered.

NUA-120 (Required, Previous or concurrent).

**NUA-225      Pediatrics-OB Nursing 5.00-**

In this course, the student will gain knowledge related to the reproductive process, prenatal, antepartum and postpartum periods, with a focus on health promotion, current standards of care, and safe drug administration for mother and infant. The student will gain knowledge in caring for the pediatric patient and their family, while focusing on growth, development and nutrition needs of the pediatric patient. The student will explore how to care for the pediatric patient experiencing neurological and musculoskeletal conditions.

NUA-121 (Required, Previous).

**NUA-245      Mental Health Nursing 5.00-**

In this course, the student will gain knowledge in caring for the pediatric patient and their family, while focusing on acute and chronic disease processes. The student will explore how to care for the pediatric patient experiencing respiratory, cardiovascular, blood, gastrointestinal, genitourinary, skin, and metabolic conditions. The student will gain knowledge on childhood communicable disease, and emotional and behavioral issues. The mental health portion of this course will enable the student to therapeutically communicate with patients experiencing chronic and acute mental health and substance abuse conditions across the lifespan.

NUA-225 (Required, Previous).

**NUA-265      Nursing Issues 3.00-**

The student will be introduced to current issues and trends that impact the professional practice of nursing. This course will emphasize interpersonal relationships, cultural diversity, legal and ethical responsibilities, quality improvement, and nursing as a profession. The student will demonstrate appropriate supervision and delegation skills.

NUA-121 (Required, Previous).

**NUA-270      Nursing Capstone 6.00-**

Building upon Med/Surg II and using the latest evidence for patient-centered care, the student will continue to assimilate into the nursing role and utilize more advanced psychomotor skills in a variety of critical, urgent, and emergent settings. Quality systems in place in the clinical setting will be identified and evaluated for their effects on improvement of safe patient care. Students are provided opportunities to administer collaborative, technologically current care to individuals experiencing critical illness and unstable acute conditions. Students will provide total care for at least 2 patients in the acute care, critical-care and emergent care settings.

NUA-200 (Required, Previous).

**NUB-401      Leadership and Management 4.00-**

The history and theories of leadership and management and current evolution of health care systems provide the framework for this course. Selected concepts include leadership style, decision making, motivation, change, health care delivery systems, human and material resource management, budget development, communication, and ethical and moral principles. Analyses of personal leadership styles,

research projects, and collaborative work with clinical preceptors foster critical thinking in the integration of theory to the clinical leadership role. Two lecture hours per week and 90 clinical hours per semester. This course is offered only in the MAP program.

NSG-328 (Required, Previous).

**NUB-401L Leadership and Management Clinical -**

NSG-401 clinical.

**NUB-410L Gerontological Issues in Health Care Clinical -**

NSG-410 clinical.

**NUB-450L Community Health Nursing Clinical -**

NSG-450 clinical.

**NUB-470 Interprofessional Communications 3.00-**

All health professionals are challenged to educate future clinicians to deliver patient-centered care as members of an inter-professional team, emphasizing communication, evidence based practice, quality improvement approaches and informatics. This course is designed to introduce the student to unique approaches for interactions with patients ("Clients") and colleagues. Students will learn that the art of communication only increases the value of the gift of nursing. This course will show that moments of connection impact quality of care. This course is offered only in the MAP program.

NUB-328 (Required, Previous).

**PBH-100 Introduction to Human Services & Social Problems 3.00-**

This course will cover fundamental concepts and strategies in the health and human services industry. Students will examine their local communities as well as themselves and learn how self-awareness aids in the development of relationships with individuals, community and society. Students will learn and demonstrate the importance of observation, listening skills, reading and analysis, problem solving, note taking and interviewing skills. Ethical situations and awareness will also be a focus of the course, as well as a historical overview of the career field and an exposure to job opportunities in various environments and specializations. There will be several topics of focus that students will be examining throughout the course. These include but are not limited to; homelessness, poverty, malnutrition, child care, child development, foster care, vaccinations, health screenings, mental health, AIDS/HIV. This course is only offered in the MAP program.

**PBH-201 Public Health and Society 3.00-**

This course examines the social context of health, illness, and healthcare with particular attention to understanding health and illness of populations. This course introduces both sociological and public health approaches to population health, disease causation and prevention—emphasizing health issues that affect society as a whole as well as vulnerable populations.

SOC-101 (Required, Previous).

**PBH-301 Introduction to Epidemiology 3.00-**

This course introduces the basic concepts and methods of epidemiology with a focus on application to multiple domains of public health. The course enables students to understand the distribution of health events in human populations and the methods of assessment by the use of morbidity and mortality data. Cross-listed as BIO-301.

**PBH-330 Fam, Chidrn, & Ppl w/ Disabilities 3.00-**

Students will deepen their knowledge of families, children and the people with disabilities. This course is a review of the ways in which professionals work together in supporting child and family resiliency within the context of complex issues, such as divorce, child abuse and neglect, and illness and death of family members. This course also focuses on current social systems and the policies that affect the welfare of families and children, as well as various forms of family functionality. This course provides a historical overview of family and child policy in the United States, including policies toward children and families in poverty. This course approaches concerns of people with disabilities from an interdisciplinary perspective and uses multiple theories to define disability. This course provides a socio historical survey of political, economic, social and cultural perspectives. Topics such as the social construction of disability and the changing experiences of people with disabilities are discussed in the context of other civil rights movements and the broader evolution of social policy. This course is only offered in the MAP program.

**PBH-340 Crisis & Interventions 3.00-**

Students will study situational procedures and techniques necessary in defusing situations identified as crises. Students will work on further developing skills to evaluate crisis experiences by combining active listening with an understanding of crisis patterns. Through class activities, such as case studies, with comparative and visual analyses, students learn how to work through difficult emotional, social, and health crises. Students will also assess forms of interventions thru readings and share perspectives through peer discussion on related topics. Some topics will include intervention models and strategies; system crisis intervention; collaboration; countertransference; secondary traumatic stress disorder and vicarious trauma; burnout prevention; and referral resources. Students will also examine and learn how cultural diversity impacts crisis responses and how to deal effectively with diverse populations. This course is only offered thru the MAP program.

**PBH-342 Intergrp Conflict & Pce Bldg 3.00-**

In a world encumbered with conflict, tension, and injustice, strategies for building peace are essential. Students assess theories and principles of conflict and will investigate conflict in the many worlds in which they function and will get a chance to investigate their own attitudes towards it and responses to it. Course participants will use lenses including identity (gender, religion, nationality, etc.), human needs, narratives, power, culture, worldview, and others to understand conflict and propose possibilities for change. Good conflict analysis skills are a central component of designing effective strategies for transforming conflict and building peace. Students will explore the role of communication in managing interpersonal and organizational conflicts. Case studies of conflicts at multiple levels will provide content and an opportunity to practice analysis skills individually and in small groups, balancing theory and practice. Topics addressed include negotiation, mediation, nonviolent communication, and reconciliation, and will include further exploration of intergroup dynamics; principles and underlying

philosophies of non-violence; and social science principles to understand conflict and promote peace. This course is only offered thru the MAP program.

**PBH-380 Special Topics in Public Health 1.00-3.00**

Special topics as deemed necessary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**PBH-460 Advanced Internship in Public Health 3.00-**

Students are placed in an advanced supervised experience in public health or a related field according to their career interests and academic abilities. A minimum of five hours per week of on-the-job work is required to earn each credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. This course may be repeated for an accumulated total of six credits. Graded S/U.

**PBH-490 Senior Seminar in Public Health 3.00-**

This capstone course will combine classroom experience and a supervised field experience with a local non-profit or health and human services partner subject to the instructor's approval. Completing this field experience will allow students to utilize the skills and techniques that have been taught throughout the degree program. The capstone project will allow students to share their knowledge of agencies, assigned communities and the culturally diverse client populations that have been examined during their field experience and throughout the degree program.

**PBH-495 Health & Human Services Capstone 3.00-**

Seminar students engage in intensive reading and discussion of capstone issues in the field of Public Health linked to the college-wide general education theme of the year. A research paper, class presentations, and discussion and attendance at college-wide events in support of the general education theme are required. Students also begin preparation for graduate school or careers. This course is only offered in the MAP program.

**PCS-926 Primary Care: Emergency Medicine 5.00-**

Primary care rotations.

**PCS-930 Primary Care: Family Medicine 5.00-**

Primary care rotations.

**PCS-936 Primary Care: Gynecology 5.00-**

Primary care rotations.

**PCS-942**      **Primary Care: Internal Med/Hospitalist Medicine/Hospitalist**      **5.00-**  
Primary care rotations.

**PCS-946**      **Primary Care: Obstetrics**      **5.00-**  
Primary care rotations.

**PCS-954**      **Primary Care: Pediatrics**      **5.00-**  
Primary care rotations.

**PHL-115**      **Ethical Analysis in Practice**      **1.00-2.00**

This enhancement course offers students the opportunity to apply ethical theories and principles to case studies from business, law, medicine, and politics. The course focuses on building a coherent ethical argument and articulating and defending a position in a friendly, competitive, and dialogic setting. Students who wish to represent the Philosophy Department in the annual Central States Regional Ethics Bowl are required to take this course, although participation in the course does not automatically qualify a student to be a member of the team. Students are encouraged to enroll in the course more than once and may repeat the course for credit for as many as six credit hours.

PHL-130 (Required, Previous).

**PHL-130**      **Human Nature and Person**      **3.00-**

This course addresses what it is to be human and what it means to be a human person. Particular emphasis is given to exploring these themes within the Western and specifically Catholic philosophical tradition in dialogue with other, and sometimes competing, positions. This course partially satisfies the general education curriculum standards in humanistic and artistic knowledge.

**PHL-150**      **Logic**      **3.00-**

This reasoning skills-development course examines basic logical concepts and shows their applicability to all areas of reasoning. Required of philosophy majors, but strongly recommended to everyone, especially those contemplating law school or graduate school.

**PHL-203**      **Plato and Aristotle**      **3.00-**

This course investigates philosophical works of the two acknowledged giants of Greek thought, Plato (ca 428-348 B.C.) and Aristotle (384-322 B.C.), in historical context and especially for subsequent impact on Western thought. In-class reading and discussion.

**PHL-205**      **Augustine and Aquinas** **3.00-**

This course investigates the philosophical works of two acknowledged giants of Christian thought, Augustine of Hippo (A.D. 354-430) and Thomas Aquinas (1225-1274), in historical context and for subsequent impact. In-class reading and discussion.



**PHL-215          Personal and Professional Ethics          3.00-**

This course introduces the student to ethics through philosophical reflection on the development of the student's moral judgment with particular attention to ethical issues related to being a professional in contemporary society. Topics include personal development in making moral judgments, critical assessment of different ethical theories, the meaning of being a professional, the social obligations of professionals and the relationship between personal and professional morality. This course satisfies the writing intensive requirement in the student's major.

**PHL-230          Philosophy of Beauty and Art          3.00-**

An examination of the beautiful as such and the beautiful in art, from the stance of classical philosophy. Although this is fundamentally a philosophy course, just as important are field trips to experience the various forms of the beautiful.

**PHL-240          Social and Political Philosophy          3.00-**

A search for the principles of the just state, including various notions of human nature, common good, the nature of institution and law, justice and right, sovereignty, force and various social units such as family and labor unions.

PHL-130 (Required, Previous).

**PHL-260          Asian Philosophies          3.00-**

This course is a very broad survey of major philosophical themes in five Asian traditions — Hinduism, Buddhism, Confucianism, Taoism, and Islam. The format is in-class reading and discussion of classical texts. This course partially satisfies the cross-cultural general education requirement in the cultural awareness category.

PHL-130 (Required, Previous).

**PHL-280          Sel Top:phil Hum Nat          3.00-**

Announced special topics on individual philosophical themes determined by the faculty members, students, and department. The course is recommended for majors, minors, and non-majors (with staff approval) who have fulfilled at least the distribution requirement of three credits of philosophy. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**PHL-305          Scotus & Ockham - Metaphysical Themes Of Franciscan Masters          3.00-**

This course examines the works of John Duns Scotus and William of Ockham, the two most influential members of the Franciscan intellectual tradition, by taking up their treatment of a series of metaphysical questions. These include: What is science? What is the relationship between faith and scientific knowledge? Can the existence of God be proven scientifically/philosophically? Themes taken up in the course include: The influence of pre-Christian and Islamic thinkers on the Franciscan authors, the place of the Franciscan intellectual tradition within the broader Catholic intellectual tradition, the philosophical foundations for Marian University's Franciscan Sponsorship values.

PHL-130 (Required, Previous). | PHL-150 (Required, Previous). | PHL-215 (Required, Previous).

**PHL-310            Kafka, Kierkegaard, Dostoyevsky and Camus    3.00-**

Readings and discussion of Kafka's Metamorphosis, Kierkegaard's The Sickness Unto Death and Fear and Trembling, Dostoyevsky's The Grand Inquisitor, and Camus' Myth of Sisyphus. An introduction to the notions of self, freedom, despair and authenticity in the view of both atheistic and Christian existentialism.

**PHL-315            Ethical Conduct in Research    3.00-**

This course is designed to provide an overview of ethical issues related to research and the best practices associated with the ethical conduct of research - whether scientific, behavioral, or sociological. Areas of ethical concern to be addressed include the social responsibility of researchers and scientists; doing research with integrity; and appropriate research relationships. Topics include the use of human and non-human animals as research subjects; the definition of research misconduct; conflicts of interest in research; publication practices; intellectual property and plagiarism; and acquisition, management, sharing, and ownership of research data. Case study will be used to illustrate ethical topics.

PHL-215 (Required, Previous).

**PHL-320            Philosophy of Knowledge        3.00-**

A critical study of epistemology as both a descriptive and normative discipline. Topics include the nature, structure, and sources of human knowledge, the nature of epistemic justification, the ethics of belief, and the problem of skepticism. Readings are drawn from historical and contemporary sources.

**PHL-325            Philosophical Bioethics        3.00-**

This course will introduce students to philosophical discussion regarding particular debates and positions in bioethics. Subjects to be discussed include abortion, genetic testing and treatment, cloning and stem cell research, euthanasia and end-of-life care, biomedical research with human subjects, and various issues in practice of medicine and the healthcare provider-patient relationship.

**PHL-330            Philosophy of Being (metaphysics)    3.00-**

Inquiry into the ultimate explanations and structure of real things; an account of our search for such knowledge and the solutions of thinkers characteristic of the ancient, medieval and modern periods.

PHL-130 (Required, Previous).

**PHL-349            Modern and Contemporary Philosophy    3.00-**

The major defining philosophical positions in the period from Descartes to the present. Includes a special emphasis on political thinkers such as Hobbes, Rousseau, Marx and Mill. Course projects specifically designed for philosophy or political science students.

PHL-130 (Required, Previous).

**PHL-350            God and Philosophy            3.00-**

Course introduces a philosophical discussion of God, God language, philosophy of religion, philosophical theology, and major philosophical influences on classical and contemporary theology.

PHL-130 (Required, Previous).

**PHL-357      Twentieth-Century Personalist 3.00-**

In this course, students are introduced to seminal representatives of personalist philosophy in the twentieth century. Areas of focus include personalist contributions to philosophical anthropology, value theory, and political philosophy. Sources include, but are not limited to, philosophers of especial importance to the Catholic intellectual tradition in the twentieth century.

**PHL-380      Special Topics in Philosophy 3.00-**

Announced special topics on individual philosophical themes determined by the faculty members, students, and department. The course is recommended for majors, minors, and non-majors (with staff approval) who have fulfilled at least the distribution requirement of three hours of philosophy. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**PHL-381      Selected Topics in Catholic Studies 3.00-**

Readings, discussion and writing on selected philosophical topics in Catholic studies. May be repeated for credit since subject matter varies.

**PHL-480      Special Topics in Philosophy 3.00-**

Announced special topics on individual philosophical themes determined by the faculty members, students, and department. The course is recommended for majors, minors, and non-majors (with staff approval) who have fulfilled at least the distribution requirement of three credits of philosophy. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**PHL-490      Senior Philosophy Seminar 3.00-**

A capstone experience with a threefold purpose: (1) to encourage the student to review and integrate materials from earlier coursework; (2) to provide the student with some experience of study at the graduate level; and (3) to encourage the student to integrate one's experience in the discipline with one's overall undergraduate education. The course is intended to be a seminar involving close reading and research. It requires the completion of a substantial research project as well as a pair of comprehensive exams on systematic topics and historical figures.

**PHL-498      Guided Research in Ethics 3.00-**

This course is designed to provide the opportunity to juniors and seniors pursuing the concentration in ethics to engage in an independent research project in ethics. Students will identify a research topic related to ethics, develop a proposal, including a list of initial readings, present the proposal in the seminar, research the topic thoroughly, and write and present their research paper to the class. An important part of the seminar will be peer review and editing of proposals and final drafts of the research papers.

PHL-130 (Required, Previous). | PHL-215 (Required, Previous).

**PHL-499      Independent Study      3.00-**

Guided readings and research.

**PHL-H30      Honors Human Nature and Person      3.00-**

Content of PHL-130 is enriched with more reading and writing. Limited enrollment to students in the honor's program. This course partially satisfies the general education curriculum standards in humanistic and artistic knowledge.

**PHY-110      General Physics I      4.00-**

Fundamental principles of mechanics, waves, thermodynamics, electricity, magnetism, optics, and modern physics. This course is not calculus-based but does require students to use algebra and trigonometry. Three lecture hours and two lab hours per week.

MAT-145 or placement into higher level math course. (Required, Previous). | PHY-110L (Required, Concurrent).

**PHY-110L      General Physics I Lab      -**

PHY-110 lab.

PHY-110 (Required, Concurrent).

**PHY-111      General Physics II      4.00-**

Principles of electricity, magnetism, optics, and modern physics. Three lecture hours and two lab hours per week.

PHY-110 (Required, Previous).

**PHY-111L      General Physics II Lab      -**

PHY-111 lab.

PHY-111 (Required, Concurrent).

**PHY-201      University Physics I      4.00-**

Fundamental principles and applications of mechanics and waves, including uniform and non-uniform motion, energy, work, elasticity, and fluids. This course is calculus-based. Three lecture hours and three lab hours per week. This course satisfies general education curriculum standards for the development of scientific knowledge.

MAT-230; minimum grade C (Required, Previous).

**PHY-201L      University Physics I Lab      -**

PHY-201 lab.

PHY-201 (Required, Concurrent).

**PHY-202      University Physics II      4.00-**

A continuation of PHY-201. Fundamental principles and applications of thermodynamics, electricity, magnetism, and optics. Three lecture hours and three lab hours per week.

PHY-201; minimum grade C- (Required, Previous). | MAT-231 (Required, Previous).

**PHY-202L      University Physics II Lab      -**

PHY-202 lab.

PHY-202 (Required, Concurrent).

**PHY-212      Modern Physics      4.00-**

Introduction to relativity, quantum mechanics, nuclear structure, particle interactions, and fields. Four hours of combined lecture and lab per week.

PHY-202 (Required, Previous).

**PHY-220      Astrophysics and Cosmology      3.00-**

Stellar atmospheres, stellar interiors, galaxy formation, and the large-scale structure of the universe.

Two lecture hours per week.

PHY-202 (Required, Previous).

**PHY-230      Electronics      4.00-**

Students will learn basics of electrical and electronic circuits including introduction to analog and digital electronic circuits. Measurement of electrical signals using meters, probes, and oscilloscopes are covered in the laboratory component of the course. Circuits are designed for minimum hardware with emphasis on understanding analog and digital electronics with practical use of digital and analog microchips.

PHY-202 (Required, Previous).

**PHY-230L      Electronics Lab -**

PHY-230 lab.

PHY-230 (Required, Concurrent).

**PHY-240      Materials      2.00-**

Structure and properties of metals, polymers, ceramics, semiconductors, photonic materials, and superconductors. Properties of nanostructured materials. One lecture hour and three lab hours per week

PHY-202 (Required, Previous).

**PHY-310      Thermal Physics      3.00-**

Classical thermodynamics, equations of state, theories of heat, kinetic theory of gases, Bose and Fermi statistics, and irreversibility. Three lecture hours per week.

PHY-212 (Required, Previous). | MAT-315 (Required, Previous).

**PHY-330      Electricity and Magnetism      3.00-**

A more rigorous approach to the foundations of electromagnetic theory. Classical electrodynamics and the theory of radiation, Maxwell's equations, magnetism, theory of synchrotrons and cyclotrons. Three lecture hours per week.

PHY-212 (Required, Previous). | MAT-315 (Required, Previous).

**PHY-350      Biophysics      3.00-**

Introduction to the physical principles of biological systems. Molecular structures in biological contexts, bioenergetics, environmental interactions, thermodynamic and kinetic regulation of biological systems. Two lecture hours per week.

PHY-111 or PHY-202 (Required, Previous). | MAT-231 (Required, Previous).

**PHY-370 Analytical Mechanics 3.00-**

Foundations of classical mechanics: the Lagrangian formalism, Hamilton-Jacobi theory, canonical transformations, and variational methods. Three lecture hours per week.

PHY-212 (Required, Previous). | MAT-315 (Required, Previous).

**PHY-380 Special Topics 1.00-3.00**

Special courses in physics in response to student needs. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

PHY-111 or PHY-202 (Required, Previous).

**PHY-410 Current Topics in Physics 3.00-**

Current developments in physics including nuclear theory, elementary particle theory, supersymmetry and string theory. Three lecture hours per week.

PHY-212 (Required, Previous). | MAT-310 (Required, Previous).

**PHY-440 Introduction to Nanotechnology and Nanos 3.00-**

This is an introductory course in the nanosystems area. It introduces students to the principles and applications of Nanosystems and nanometer scale phenomena. It then introduces students to the basic elements and applications of nanotechnology including nanoscale materials, processes, and devices. Students will learn approaches to develop and characterize nanosystems, as well as applications in industries including information technology, energy, medicine, and manufacturing. The course concludes with a discussion of the societal and economical significance of these applications, including benefits and potential risks.

PHY-111 or PHY-202 (Required, Previous).

**PHY-460 Internship in Physics 1.00-3.00**

The internship in physics allows students who have completed an off-campus internship in a field related to physics to earn credit for their work experience. Students must present a written and oral summation of their experience. A student may earn 1 credit hour for every 60 hours of work experience they complete during a semester. This course may be taken multiple times for an accumulation of 6 hours total.

**PHY-490 Physics Senior Seminar and Capstone 2.00-**

This course will discuss current advances and major topics in physics. Students will provide written and oral presentation of topics discussed in the course and/or research journals. The general education theme and readings will be integrated, and all requirements of general education will be required. Senior Class Standing (94 credits) (Required, Previous).

**PHY-498 Directed Research 1.00-4.00**

This course is designed for junior or senior students to design and implement research projects or to investigate topical issues in the field of physics.

PHY-111 or PHY-202 (Required, Previous).

**PHY-499 Independent Study 3.00-**

Guided readings and research.

PHY-111 or PHY-202 (Required, Previous).

**POL-102 Introduction to American Politics 3.00-**

Introduction to the basic features and processes of American government and politics. Examines the underlying assumptions of American democratic theory and political thought, the constitutional framework, and its political institutions (the Congress, the presidency, and the courts). Political parties and interest groups, voting behavior, public policy formation and foreign policy are also discussed. This course partially satisfies the general education requirement in the individual and social understanding category.

**POL-155 Introduction to Peace Studies 3.00-**

An introduction to the study of peace and non-violence, with a special emphasis on the perspective of political science. The course will be divided into two parts: the first will focus on important classical texts and historical cases that address issues of peace and non-violence; the second part will focus on current controversies in these areas.

**POL-205 Social Science Statistics 3.00-**

**POL-206 Applied Political Science Statistics 3.00-**

This course will provide an introduction to the main empirical methods and statistical tools used for research in the discipline of political science. Students will learn how to interpret statistical results and use the scientific method to understand politics. This course satisfies the general education standards for foundational intellectual skills in quantitative reasoning.

Placement into general education math (Required, Previous). | One year of high school algebra recommended (Recommended, Previous).

**POL-210 Introduction to Comparative Politics 3.00-**

Comparative examination of political institutions and behavior across countries in Europe, Asia, Latin America, and Africa. Surveys the different types of political systems found in the contemporary world, including various forms of democracy and dictatorship. Students learn how power is legitimized through the organization of politics and how political life varies from country to country.

**POL-220 Introduction to International Relations 3.00-**

Examines the international system of sovereign states, including conflictive and cooperative relations between states and the relationship between states and international organizations such as the United Nations. International law and human rights, the role of non-governmental actors, and international economic relationships are also introduced. This course serves as the general education writing intensive course for the Political Science major.

**POL-230 Introduction to Political Theory 3.00-**

Examines thinkers and themes central to the study of political theory. Includes discussions of thinkers like Plato, Machiavelli and Marx, and addresses topics such as the emergence and growth of modern ideologies (liberalism, socialism, communism, fascism); war and peace; political loyalty and obedience;

justice, freedom, and power.

**POL-280          Special Topics in Political Science          1.00-3.00**

Readings, discussion, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**POL-301          Social Science Research          3.00-**

**POL-320          Public Policy          3.00-**

This course will examine public policy-making in the United States and provide students with the opportunity to see what is meant by public policy, and understand how policy is made and put into practice. Additionally, the course will equip students with the tools to evaluate public policy in place. This course is open to students in all majors.

**POL-325          Game Theory and Strategic Thinking          3.00-**

This course provides an introduction to rational decision-making when competing or cooperating with other people. It covers topics such as the prisoners' dilemma, tragedy of the commons, free riding, collective action, coordination games, brinksmanship, threats, and mixed strategies. This course is open to students in all majors.

**POL-330          Leadership and Political Activism          3.00-**

This course focuses on the relationship between individuals and their communities. It examines the current state of civic engagement in the United States, leadership for social change, and the empowerment of citizens through public works, and covers both the theory and practice of civic engagement with an emphasis on the development of leadership skills necessary for effective political and community activism. Open to students in all majors.

**POL-342          American Constitutional Law          3.00-**

An analysis of the American Constitution through the study of important Supreme Court decisions affecting the powers and limits of government in the United States. The topics covered include the powers of the national government, the right to privacy, civil liberties, and civil rights.

**POL-344          American Political Thought          3.00-**

In-depth analysis of the ideas and concepts that are at the core of American political culture (democracy, equality, individual liberty) through a survey of selected writings, ranging from the founding era to our own times. The alternative understandings given to these ideas and how they have changed over time as America has evolved is examined.



**POL-347 American Foreign Policy 3.00-**

The ideas, actions, and events that affected American foreign relations from the American Revolution to the post-Cold War world. Theories of decision-making, the tension between national self-interest and American idealism, and the relationship between domestic political and economic interests and the formulation of foreign policy are addressed.

**POL-353 Politics of Development 3.00-**

An interdisciplinary examination of the politics of developing countries, analyzing the interrelationship of the international system, domestic politics and economics, and social forces in the development process. This course partially satisfies the general education requirement in the cultural awareness category.

**POL-355 Politics of the Middle East 3.00-**

Course begins with a brief introduction to Islamic civilization and the Ottoman Empire, and then focuses on the politics of the modern Middle East. The impact of interaction with the West on the region's political regimes and cultures, nationalism and state-formation, the tension between secularism and Islam, the Arab-Israeli conflict, and the US role in the Middle East are examined. This course partially satisfies the cross-cultural general education requirement in the cultural awareness category.

**POL-357 Civil Wars and Ethnic Conflicts 3.00-**

Examines the phenomena of civil wars from three analytical perspectives: theory, case studies, and policy implications. The causes of civil wars and how and why they end, possible solutions for ethnic conflicts, and the variety of policy options for outside actors such as international organizations, non-governmental organizations, and nation-states (including the United States) are explored. This course partially satisfies the general education requirement in the cultural awareness category.

**POL-361 Politics of the Global Economy 3.00-**

This course examines the relationship between politics and economics in a global context. It begins with a survey of the major competing theories, perspectives and classic readings of international political economy (including liberal, mercantilist, and structuralist). Course will then examine the contemporary international economic system, the relationship between the state and economy in the developed and developing worlds, and the current dynamics and challenges of globalization. Cross-listed as GLS-361.

**POL-363 International Law and Organization 3.00-**

International law includes shared practices and also formal rules to guide relations between countries, ranging from acceptable behavior in war to the prohibition of slavery and genocide, diplomatic immunity, and the legal economic reach of a country beyond its shoreline. This course will highlight a particular issue-area to consider the value of international law. This course is open to students in all majors.

**POL-365      Voting, Campaigns, and Elections      3.00-**

This course examines American elections focusing on voters, candidates, and institutions. It considers why people vote, various campaign tactics, and the effect rules have on electoral behaviors and outcomes. This course is open to students in all majors.

**POL-366      Congress, Parties, and the Presidency      3.00-**

In depth examination of the elected branches of the national government, and the American political party system and interest groups. Topics to be covered include Constitutional design, the development and role of political parties, the inherent tensions between Congress and the presidency, the impact of individual presidents on the power and role of the presidency over time, and the role of interest groups in the political process.

**POL-370      Women and Politics      3.00-**

Women and Politics will examine women's leadership and representation in the United States, as well as in other countries and within international institutions, and incorporate feminist theory to consider 'gendered' differences in public policies. This course is open to students in all majors. Course also counts toward the Gender Studies minor.

**POL-380      Special Topics in Political Science      1.00-3.00**

Readings, discussion and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**POL-460      Internship in Political Science      2.00-4.00**

Internship with the Indiana General Assembly, Indianapolis City-County Council, or other government agency. Written reports and regular conferences with course coordinator required for full credit. These credits do not count toward the major or minor. May enroll for two to four credits. Graded S/U. Junior or senior class standing (62 credits) (Required, Previous).

**POL-490      Senior Political Science Seminar      3.00-**

Intensive reading and discussion of major issues in political science as a discipline. Assigned readings are linked to the general education theme of the year, and students are required to attend convocations. A formal written project is required.

Senior class standing (94 credits) (Required, Previous).

**POL-499      Independent Study      3.00-**

Guided readings and research.

**PSY-101      General Psychology      3.00-**

This course serves as a broad introduction to the field of contemporary psychology, which is explored as a science, a profession, and a means of promoting human welfare. Students are exposed to psychology as both a natural and social science through reading assignments, lectures, discussions, and demonstrations. Writing assignments reflecting critical thinking are required. This course satisfies

general education curriculum standards for behavioral and social knowledge.

**PSY-201            Careers & Applications of Psyc 1.00-**

This course focuses on career planning and professional development for psychology majors. A combination of lecture, readings, and exercises are designed to assist students in the clarification and selection of a career in psychology or a related field. Topics will include an overview of the undergraduate major in psychology, career options in psychology and related fields, preparation for employment with a bachelor's degree, preparing for and succeeding in graduate school, and applying for a job or to a graduate program.

PSY-101 or PSY-220 (Required, Previous).

**PSY-205            Statistical Methods    3.00-**

Basic concepts, uses, and methods of statistical computation, including descriptive statistics, correlation, probability, estimation, sampling, design, hypothesis testing, t-tests, ANOVAs, and Chi square are presented. This is a computational and interpretational statistics course designed to prepare students for upper division/graduate courses in research, data evaluation, and analytical reasoning. Use of computer software facilitates learning. Fee required. This course partially satisfies the general education requirement in the scientific and quantitative understanding category.

Placement (Required, Previous).

**PSY-215            Data Analysis in SPSS 1.00-**

Applied course in the use of the SPSS data analysis software for descriptive and inferential statistical analysis. Students will use SPSS for the calculation and interpretation of measures of central tendency, measures of variability, correlation and regression, t-tests, ANOVA, and Chi Square. Students will be expected to complete multiple projects that require statistical analysis and written interpretation.

**PSY-220            Human Growth and Development    3.00-**

Major theories, developmental stages, and current research in the area of human development are studied. Emphasis is placed on the genetic and environmental factors that influence the physical, cognitive, and social development of individuals throughout the lifespan. This course satisfies general education curriculum standards for behavioral and social knowledge.

**PSY-230            Abnormal Psychology 3.00-**

A scientific study of abnormal behavior, with emphasis on cause, treatment, and prevention. Psychopathology, including its development, assessment, and treatment is approached using major paradigms and research findings as they relate to a range of disorders as listed in the current DSM. PSY-101 or PSY-220 (Required, Previous).

**PSY-250            Research Methods    4.00-**

This course introduces major methodological approaches used to study human behavior including qualitative, survey, correlational and experimental methods. Students will participate in the designing of research projects, collecting and analyzing data, and preparing APA-style research reports and presentations.

PSY-101 or PSY-220 (Required, Previous). | PSY-205 (Required, Previous).

**PSY-300            Psychological Tests and Measurements            3.00-**

This course addresses standardization procedures, concept evaluation, item and test reliability and validity, indirect measurement issues, and ethics. Tests currently in use in educational and psychological career fields are studied in depth. Projects on test development and interpretation are required. Fee required.

PSY-101 or PSY-220 (Required, Previous). | PSY-205 (Required, Previous).

**PSY-305            Learning and Behavior 3.00-**

This course provides an overview of major learning theories and principles derived from animal and human research. Topics include nonassociative learning, classical conditioning, instrumental/operant conditioning, and observational learning. A final project and presentation are required.

PSY-101 or PSY-220 (Required, Previous). | PSY-250 (Recommended, Previous).

**PSY-310            Industrial/Organizational Psyc 3.00-**

A study of Industrial/Organizational psychological applications in the workplace. Special emphasis is placed on performance appraisal, motivation, leadership and new forms of organizational structure and function. Analytical assignments supplement text material.

PSY-101 or PSY-220 (Required, Previous).

**PSY-315            Psychology of Motivation            3.00-**

An examination and analysis of important areas of research in motivation including physiological drives related to eating and sexual behaviors, the impact of stress and emotion on behavior, and the role of learned and social motivational states. Classical and modern theories of motivation are discussed.

PSY-101 or PSY-220 (Required, Previous).

**PSY-325            Social Psychology            3.00-**

This course is a study of theoretical and empirical foundations of individual social behaviors, including social cognition and perception, attitude formation and change, prosocial behavior, prejudice, aggression, interpersonal attraction, group influences, and applied legal issues. Research proposals, analytical papers, and written analyses of journal articles supplement text material.

PSY-101 or PSY-220 (Required, Previous). | PSY-250 (Recommended, Previous).

**PSY-330            Health Psychology            3.00-**

This course is an overview of the rapidly developing field of health psychology, which applies empirically-based psychological principles to health care, in medical, exercise, work and hospital settings. Consideration is given to individuals as well as institutions seeking to promote stress management, healthy lifestyle choices, and wellness. Readings and class activities engage students and supplement course material. Topics include health care ethics, cultural factors, coping, injury and treatment, pain management, and preventive interventions.

PSY-101 or PSY-220 (Required, Previous).

**PSY-335            Theories of Personality 3.00-**

A study of the major theoretical paradigms of personality, including psychoanalytic, trait, behavioral, and humanistic models. The student acquires an understanding of the major theories of personality along a continuum of scientific rigor, a thorough understanding of human commonalities and differences, mind/body connections, hereditary and experiential influences, psychopathology and treatment of personality disorders, self-knowledge, and applications to relationships with others.

Writing assignments supplement assigned readings.  
PSY-101 or PSY-220 (Required, Previous).

**PSY-340 Sport Psychology 3.00-**

This course is designed to introduce the concepts and applications of psychology to the field of sport. History and foundations, leadership, motivation, athletic performance factors, neurophysiology of arousal and attention, stress and coping, psychological skills training, aggression and violence in sports, and health issues are presented. Sports as individual and team activity within a broader framework of recreation and vocation will be addressed. A research/topical paper will supplement text, reading assignments and activities. Cross-listed as ESS-340.  
PSY-101 or PSY-220 (Required, Previous).

**PSY-341 Exercise Psychology 3.00-**

This course examines the interactive influences that psychological factors and exercise behaviors exert upon one another. Topics include psychological and psychobiological responses to exercise, psychological theories for understanding and predicting health-oriented exercise behavior and psychological interventions for increasing exercise participation and adherence. Cross-listed as ESS-341.  
PSY-101 or PSY-220 (Required, Previous).

**PSY-345 Cognitive Science 3.00-**

This course is designed to provide the student with an introduction to factors that influence human thought. Research methodology and theory are emphasized and topics include attention, pattern recognition, memory, language, reasoning, and problem-solving. Experiment implementation, research paper, and writing assignments reflecting critical thinking are required.  
PSY-100 or 220 (Required, Previous). | PSY-205 (Required, Previous). | PSY-250 (Required, Previous).

**PSY-350 Behavioral Neuroscience 3.00-**

This course is an overview of the latest findings from the neurosciences pertinent to relationships between behavior and the nervous system, including the neural and chemical processes underlying sensation, motivation, learning, cognition, and disorders. Dissections and supplemental readings are required.  
PSY-101 or PSY-220 (Required, Previous).

**PSY-355 Psychology of Religion 3.00-**

An investigation of the interrelatedness of psychology and theology in the study of religious experience and spiritual development. The study of the religious aspects of the person is approached from various psychological and theological perspectives. Cross-listed as THL-355.  
PSY-101 or PSY-220 (Required, Previous). | THL-105 (Required, Previous).

**PSY-360 Internship in Psychology 2.00-3.00**

Students are placed in a supervised experience in psychology or a related field according to their career interests and academic abilities. A minimum of five hours per week of on-the-job work is required to earn each credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. This course may be repeated for an accumulated total of six credits.  
Graded S/U.

**PSY-365          Psychology of Adolescence          3.00-**

This course is a study of developmental issues and experiences of adolescence viewed from major theoretical perspectives. Adolescent development is studied as a dynamic interaction of physical, cognitive and social/contextual factors. Topics include puberty, cognition, identity, sexuality, family and peers, values and beliefs, and problems of youth. Analytical homework assignments and an integrative project are required.

PSY-101 or PSY-220 (Required, Previous).

**PSY-367          Cross-Cultural Psychology          3.00-**

This course addresses the impact of cultural diversity, across the globe, on the study of human behavior and the mind. Topics will cover cross-cultural research methods, ethnocentrism's effect on prejudice, basic psychological processes affected by culture, gender development, health communication, self development, mental disorder, and social and organizational behavior. Short response essays, journal analyses, an analytical paper, opinion surveys, and discussions will reinforce student learning in this course. Cross-listed as GLS-367.

GLS-101 or PSY-101 or PSY-220 (Required, Previous).

**PSY-370          Clinical Psychology          3.00-**

An introduction for the advanced undergraduate psychology student to the field of clinical psychology and the application of scientifically based paradigms to clinical practice. The course focuses on use of scientifically validated techniques for developing clinical case conceptualizations. Topics include history of the field, theoretical foundations of research and practice, assessment, and intervention strategies for individual, family, forensic, marital and group treatment.

PSY-230 (Required, Previous). | PSY-335 (Required, Previous).

**PSY-371          Introduction to Art Therapy          3.00-**

See ART-371.

PSY-230 (Required, Previous).

**PSY-373          Forensic Psychology          3.00-**

This course uses an issue-based approach to present the interface between psychology (clinical and socio-cultural) and legal systems and practice. Applications of psychological theories and research to legal practice will be addressed, covering the following topics: eyewitness identification, jury selection and decision-making, crime prevention, profiling, trial procedures and testimony, and the appropriate use of clinical evidence in litigation. Text/Journal articles, case analyses and a research paper are required.

PSY-101 or PSY-220 (Required, Previous).

**PSY-380          Special Topics in Psychology          2.00-3.00**

A special topic in psychology is explored. An APA-style laboratory or library research paper is required for 380 and 480. This course may be repeated for credit because its subject matter varies, for example, stereotyping and prejudice, school counseling, and psychology of human sexuality. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**PSY-405          Advanced Statistics          3.00-**

This course provides an opportunity to junior/senior level social science majors and minors for in-depth

study of statistics at greater depth than POL/PSY/SOC 205. Students will learn and use analysis of covariance, multiple regression and path model fitting, and factor analysis with assigned projects. PSY-205 or POL-206 or SOC-205 (Required, Previous).

**PSY-430            Interviewing Skills for Helping Professions    3.00-**

This course introduces techniques of interviewing for personal development and use in helping professions. Topics for effective communication and building rapport include active listening, clarification, reflection, inquiry, nonverbal self-awareness and empathy. Skills will be developed and assessed through class exercises and role-plays

PSY-101 or PSY-220 (Required, Previous). | PSY-230 (Required, Previous). | Junior or senior standing (take 62 credits) (Required, Previous or concurrent).

**PSY-445            Cognitive Science            3.00-**

This course is designed to provide the student with an introduction to factors that influence human thought. Research methodology and theory are emphasized and topics include attention, pattern recognition, memory, language, reasoning, and problem solving. Experiment implementation, research paper and writing assignments reflecting critical thinking are required.

PSY-101 or PSY-220 (Required, Previous). | PSY-205 (Required, Previous). | PSY-250 (Required, Previous).

**PSY-460            Advanced Internship in Psychology    2.00-3.00**

Students are placed in an advanced supervised experience in psychology or a related field according to their career interests and academic abilities. A minimum of five hours per week of on-the-job work is required to earn each credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. This course may be repeated for an accumulated total of six credits. Graded S/U.

**PSY-480            Special Topics in Psychology    2.00-3.00**

A special topic in psychology is explored. An APA-style laboratory or library research paper is required for 380 and 480. This course may be repeated for credit because its subject matter varies, for example, stereotyping and prejudice, school counseling, and psychology of human sexuality. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**PSY-490            Senior Seminar in Psychology    3.00-**

In this capstone course, students demonstrate the ability to use psychological concepts and skills in the examination of a college-wide general education theme. Integrative papers, oral presentations, research projects, and convocation attendance are required. Students also begin formal preparation for graduate school or careers and perform program skills self-assessments.

Senior class standing (94 credits) (Required, Previous).

**PSY-497            Directed Research I: Research Proposal    2.00-**

This course is designed to provide the opportunity for junior and senior psychology majors to begin an independent research project under the guidance of a faculty sponsor they have chosen. Students identify a research topic, perform a literature review, create a research design and materials to investigate their topic, and write an APA-style research proposal that summarizes these activities.

Successful completion of this course prepares students to enroll in 498.

**PSY-498 Directed Research II: Research Project 2.00-**

Students complete the research project they began in 497 by gathering and analyzing data according to their proposal and reporting their findings with an APA-style manuscript and a formal presentation. Papers deemed to be of sufficient quality by the faculty sponsor may be presented at a regional research conference.

**PSY-499 Independent Study 1.00-3.00**

Guided readings and a literature review are required on a psychological topic negotiated with the supervising faculty member. May enroll for one to three credits.

**SCI-101 Earth Sciences 4.00-**

This course is an introduction to the earth sciences of geology, oceanography, meteorology, and astronomy. The lab portion includes recognition and basic experimentation using science inquiry skills and methods. Three lecture hours and two lab hours per week. This course satisfies general education curriculum standards for the development of scientific knowledge.

**SCI-101L Earth Sciences Lab -**

SCI-101 lab.

SCI-101 (Required, Concurrent).

**SCI-102 Life Sciences 4.00-**

This course is an introduction to the life sciences of biology, ecology and environmental systems. The lab portion includes recognition and basic experimentation using science inquiry skills and methods. Three lecture hours and two lab hours per week. This course satisfies general education curriculum standards for the development of scientific knowledge.

**SCI-102L Life Sciences Lab -**

SCI-102 lab.

SCI-102 (Required, Concurrent).

**SCI-103 Physical Sciences 3.00-**

This course is an introduction to the physical sciences of chemistry and physics for non-science majors, focusing on the physical laws related to motion, matter and energy, electricity, electromagnetic waves, and basic concepts of chemistry. Taken in conjunction with SCI-104, this course satisfies the general education requirement in the scientific knowledge category.

**SCI-104L Physical Sciences Lab 1.00-**

This lab portion of Physical Sciences involves the conduct of multiple experiments that illustrate the principles that are basic to physical science. Two lab hours per week. Taken in conjunction with SCI-103,



this course satisfies the general education requirement in the scientific knowledge category. SCI-103 must be taken with SCI-104 L to fulfill gen ed (Recommended, Concurrent).

**SCI-301 Science and Health for the Elementary Teacher 3.00-**

This course explores science and health topics found in the elementary curriculum, including earth science—rocks, dinosaurs, volcanoes, earthquakes, weather, and astronomy; life science—plants, animals, Project Learning Tree, Project Wild, ecology, life cycles; health—body systems, nutrition, substance abuse, AIDS, sex education; and physical science—matter, atoms, electricity, magnets, energy, and machines. Lectures, hands-on laboratory experiences, and field work are included to acquaint the students with methods and techniques of science and health instruction. The field work includes visiting an elementary school throughout the semester for at least 8 hours and team teaching a minimum of two lessons.

**SCI-301L Science and Health for the Elementary Teacher Lab -**

SCI-301 lab.

SCI-301 (Required, Concurrent).

**SCI-380 Special Topic 1.00-3.00**

Special topics as deemed necessary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**SCI-480 Special Topic 1.00-3.00**

Special topics as deemed necessary. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**SDY-380 Study Abroad Experience -**

A faculty led study abroad experience.

**SOC-100 Experiential Learning: Community Service 1.00-2.00**

Volunteer experience appropriate to the students interest at an approved site under the supervision of a field supervisor and monitored by a faculty member. Credit may apply toward the 128-hour degree total, but does not satisfy hours toward major, minor or general education requirements. Department permission and coordination with the faculty experiential learning coordinator is required. May enroll for one or two credits. This course is open to all students. Graded S/U.

**SOC-101 Introduction to Sociology 3.00-**

This course serves as a broad introduction to the social scientific field of sociology. The main features of human societies are examined; how they are organized, how they change and how they come to shape collective social existence. Explicit attention is paid to the interaction between individuals and society, how social structures shape everyday life, social inequalities and social change. This course satisfies general education curriculum standards for behavioral and social knowledge.

**SOC-145 Introduction to Social Justice 3.00-**

Introduction to Social Justice explores the nature and goals of social justice through an analysis of the sociological structures of American society. The course includes the history of social justice struggles, explorations of social inequalities, and the role of economics and politics in questions of justice. This course is required for the peace and justice studies minor.

**SOC-175 Introduction to Anthropology 3.00-**

This course is a comprehensive introduction to anthropology that emphasizes the integration of the different fields of physical anthropology, archaeology, linguistic and cultural anthropology. The aim is to provide a sampling of anthropological research into human evolution and human cultures from the remote past to the present. This course satisfies general education curriculum standards for behavioral and social knowledge.

**SOC-205 Social Science Statistics 3.00-**

Basic concepts, uses, and methods of statistical computation, including descriptive statistics, correlation, probability, sampling, design, hypothesis testing, t-tests, ANOVA, regression, and chi-square tests are presented. This is a computational and interpretational statistics course designed to prepare students for upper division/graduate courses in research, data evaluation, and analytical reasoning. Use of computer software facilitates learning. This course satisfies the general education standards for foundational intellectual skills in quantitative reasoning.  
One year of high school algebra (Recommended, Previous).

**SOC-210 Marriage and Family 3.00-**

This course provides an analysis of the social institutions of marriage and family in historical context. Drawing on the tools and perspectives of Sociology, this class examines the definitions, meanings, and practices of families and marriages in the U.S.  
SOC-101 (Required, Previous).

**SOC-245 Sociology of Religion 3.00-**

This course provides an analysis of religious institutions, beliefs, practices and experiences in the U.S. and elsewhere in the world. Students examine the varieties of contemporary religion, how religion is adapting to contemporary social forces such as immigration and technological development, and how religion is impacted by and is impacting globalization.  
SOC-101 (Required, Previous).

**SOC-255 Environmental Sociology 3.00-**

The study of the interactions between the physical environment, social organization and social behavior. This course uses different theoretical perspectives from within the social sciences to study how people are affected by the environment and how people's behavior impacts the environment. This class requires students to become engaged in environmental practices in the community (University, home/living residence, church or workplace).  
SOC-101 or SOC-175 (Required, Previous).

**SOC-265 Introduction to Social Work 3.00-**  
See SWK-110.

**SOC-266 Sociology of Death and Dying 3.00-**

This course is designed to critically analyze social aspects of death, dying, and bereavement in our society. Topics include euthanasia, suicide, terminal illness, funeral and burial rituals, and culture and ethical values and problems related to death and terminal illness in contemporary society.  
SOC-101 (Required, Previous).

**SOC-270 Education and Social Inequality 3.00-**

Introduction to the comparative study of contemporary human cultures; origin and development of human institutions; social processes that influence behavior. This course partially satisfies the general education requirement in the cultural awareness category.  
SOC-101 (Required, Previous).

**SOC-275 Cultural Anthropology 3.00-**

This course analyzes the complex relationships between schooling and inequalities based on social class, race, gender, and sexuality in contemporary society, and the implications of these relationships for educational policy development.  
SOC-101 (Required, Previous).

**SOC-280 Minority Groups 1.00-3.00**

Readings, discussions, and writing on selected topics.

**SOC-281 Special Topics in Sociology 1.00-3.00**

Readings, discussions, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.  
SOC-101 (Recommended, Previous).

**SOC-301 Social Science Research 3.00-**

An introduction to the basic tools and methods of social research. Both quantitative and qualitative procedures are considered. Students are required to design and carry out a complete research project as a part of this course. This course satisfies the writing intensive requirement in the student's major.  
SOC-101 (Required, Previous). | SOC-205 (Required, Previous).

**SOC-305 Sex, Gender, and Sexuality 3.00-**

This course examines the gendered construction of various social institutions, including family, religion and government, in an historical and cross-national context. See GST-301 and HIS 339.  
SOC-101 (Required, Previous).

**SOC-315 Native American Culture History 3.00-**

This course provides a general view of the variations in the lifeways of Native Americans. This study places native populations in a broad comparative context, investigating the cultural variation between the societies of the major culture areas of North American and the impact upon them through European contact and subsequent U.S. policies. This course partially fulfills the general education requirement in

the cultural awareness category.

**SOC-320 Race and Ethnic Relations 3.00-**

This course examines the historical social construction of race in the U.S., the development of racist practices by individuals and institutions, and the consequences of those practices, especially the persistence of racial inequality. This course examines U.S. racial/ethnic groups, including whites, as well as the intersections of race with other inequalities, such as class, sexuality, and gender.

SOC-101 (Required, Previous).

**SOC-325 Social Class, Power, and Inequality 3.00-**

This course examines class, status, and power relations in society as they relate to social mobility, work, globalization, and social change.

SOC-101 (Required, Previous).

**SOC-332 Community Organizing for Social Justice 3.00-**

See COM-332.

Sophomore class standing (30 credits) (Required, Previous).

**SOC-335 Sociology of Health and Illness 3.00-**

This course examines the social context of health, illness, and healthcare. Topics include the social conditions of health and illness, social epidemiology, the social construction of health and illness, environmental health, advanced technologies, cultures of risk, mental health and illness, health behaviors, experiences of illness, the political economy of health and illness, and health care systems and reforms.

SOC-101 (Required, Previous).

**SOC-336 Sociology of Deviant Behavior 3.00-**

This course is an introduction to the study of deviance and deviant behavior. This course seeks to examine societal reactions to deviant behaviors. Particular attention will be given to major theoretical perspectives in the study of deviance, and we will explore controversial topics including suicide, rape, gang related behaviors, hate crimes, moral panics, prostitution, and murder and school shootings.

SOC-101 (Required, Previous).

**SOC-360 Experiential Learning: Social Justice In Action 2.00-4.00**

Through collaboration with community activists, students work for and provide social justice organizations analytical and research skills while gaining hands-on experience in the practical work of social justice. Course can be repeated for up to 6 credits; however, only 3 credits can count as an elective toward the Peace and Justice Studies minor. Graded S/U.

SOC-145 (Required, Previous).

**SOC-375 Social Movements 3.00-**

An analysis of the processes shaping the emergence, objectives, structures, strategies, tactics and long term outcomes of representative movements aimed at social change.

SOC-101 (Required, Previous).

**SOC-377 Global Health Issues and Interventions 3.00-**

This course is intended to provide global studies students a comprehensive examination of numerous

health and illness topics within the context of social, cultural, political, and economic arenas. The goal is to provide students with knowledge that would assist them in understanding and addressing the health needs of various communities around the world. Each week we will focus on a particular health-related issue and will include an initial lecture with key points, followed with a tutorial/workshop, and conclude with discussion and debate. Students are expected to engage in weekly readings, gain practical insight into current global medical issues, and apply appropriate frameworks in response to global medical issues. Students are also expected to follow the key points for each lecture, and engage fruitfully and intellectually into class discussions and debates with substantiated information. Cross-listed as GLS-377. GLS-101 or SOC-101 (Required, Previous).

**SOC-380          Special Topics in Sociology          1.00-3.00**

Readings, discussions, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.  
SOC-101 (Recommended, Previous).

**SOC-450          Sociological Theory          3.00-**

This course undertakes a historical and analytic exploration of major classical and contemporary social theories with attention to their development and transformations.  
SOC-101 (Required, Previous). | Senior class standing (94 credits) (Required, Previous).

**SOC-451          Social Psychology          3.00-**

This course examines the reciprocal relationship between the social group and the self. Symbolic interactionism is used as the major frame of reference for the analysis of social processes, all forms of interaction and the relationship between the individual and the norms and patterns that constitute society.  
SOC-101 (Required, Previous). | Junior or senior class standing (62 credits) (Required, Previous).

**SOC-460          Internship in Sociology 2.00-4.00**

Students are placed in a supervised experience in social work or social sciences-related field according to their career interests and academic abilities. A minimum of five hours per week of on-the-job work is required to earn credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. This course may be repeated for up to 6 credits. Internship/service learning credits do not count toward credits required in the major. Grade S/U. Junior class standing (62 credits) (Required, Previous).

**SOC-490          Sociology Seminar          3.00-**

Seminar students engage in intensive reading and discussion of capstone issues in the social sciences linked to the college-wide general education theme of the year. Papers, class presentations, and discussion and attendance at college-wide events in support of the general education theme are required. Student research papers from SOC 301 are developed for public presentation or publication. Students also begin preparation for graduate school or careers.  
SOC-301 (Required, Previous). | Senior class standing (94 credits) (Required, Previous).

**SOC-499          Independent Study          3.00-**

Guided readings and research. May enroll for 1-3 credits.

**SPA-101 Introduction to Spanish I 4.00-**

Introductory study of the Spanish language with emphasis on building adequate vocabulary and sense of structure to carry out routine tasks and engage in simple conversation. The course is designed to help the student ask and answer questions about familiar topics and handle basic social situations, write simple sentences, learn about aspects of everyday culture in Spain and Latin America. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge. This course is conducted in Spanish.  
Placement (Required, Previous).

**SPA-102 Introduction to Spanish II 4.00-**

Continuation of vocabulary building, grammar usage, and practice in the skills of listening comprehension, speaking, reading and writing. The course is designed to help the student engage in simple conversations on familiar topics, understand the main ideas on a familiar topic in both written and spoken Spanish, and learn how cultural differences affect one's experience of the world. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge. Class is taught in Spanish.  
SPA-101 or Placement (Required, Previous).

**SPA-200 Intermediate Spanish I 3.00-**

Continued development of proficiency in communication skills. The course is designed to help the student participate in simple conversations on topics such as personal history and leisure-time activities, read consistently with increased understanding simple connected texts, write short narratives about familiar topics and demonstrate an understanding of cultural differences/similarities in a world view. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.  
SPA-102 or Placement (Required, Previous).

**SPA-201 Intermediate Spanish II 3.00-**

Continues the review of basic structural elements of the Spanish language and provides a context for students to develop consistency in understanding and correct usage as they advance to connected discourse in Spanish. The course is designed to help the student initiate, sustain and close a general conversation, read consistently with full understanding simple connected texts and get some main ideas from texts featuring description and narration, write about personal experience, and appreciate culture-based values in the Spanish-speaking world. Class is taught in Spanish. This course partially satisfies the general education curriculum standards for the development of humanistic and artistic knowledge.  
SPA-200 or Placement (Required, Previous).

**SPA-213 Spanish for Mental Health Professionals 3.00-**

This course is designed for mental health providers and social workers attempting to break through language and cultural barriers between themselves and their Spanish-speaking clients. This course includes case simulations representing a range of stressful situations that a social worker, psychologist, psychiatric nurse, psychiatrist, or ministry leader might encounter among recently arrived immigrants from Spanish-speaking countries.  
SPA-201 or Placement (Required, Previous).

**SPA-214 Spanish for Healthcare Professionals 3.00-**

This course is devoted to the study of medical Spanish terminology and the cultural issues related to

successful interactions with Spanish-speaking patients and their families in the clinical encounter. It will introduce the student to a wide array of vocabulary particular to the medical field, as well as help the student develop a cultural understanding of medicine and illness in the Spanish-speaking world to prepare for potential work with Spanish-speaking patients in future careers in medicine, nursing, social work, and or mental health settings.

SPA-201 or Placement (Required, Previous).

**SPA-220 Introduction to Hispanic Lit Studies Literature 3.00-**

Development of skills required to read for information, to comprehend major ideas, and to analyze different literary forms of average difficulty. Readings are selected from works of Spanish and Spanish-American authors from the twelfth to the twenty-first centuries and grouped according to genre. Class is taught in Spanish.

SPA-201 (Required, Previous).

**SPA-230 Oral Communication in Spanish 3.00-**

In this community-engaged course, students will develop speaking and listening strategies by engaging in conversation both inside and outside of the classroom. They will acquire effective oral communication techniques, prepare and deliver brief oral reports, and debate topics of civic and personal interest. Through the use of authentic materials such as video, audio recording, and interactions with native speakers, students will practice their speaking and listening skills. Class is taught in Spanish.

SPA-201 (Required, Previous).

**SPA-280 Special Topics in Spanish 3.00-9.00**

Study of a selected topic in Spanish or Spanish-American literature, current affairs, business or professional communication, or the media. Specific topics and the designated course credit are published in the semester class schedule. Advanced communication skills developed through a semester abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in Spanish and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Class is taught in Spanish. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

SPA-220 (Required, Previous).

**SPA-310 Written Communication in Spanish 3.00-**

Review of the essentials of Spanish grammar with application to composition. The course is designed to help students write social and business correspondence, write cohesive summaries and resumes, as well as narratives and descriptions of a factual nature. Required course for teacher certification. Class is taught in Spanish.

SPA-201 (Required, Previous).

**SPA-315 History and Culture of Spain 3.00-**

A survey study of the history, topography, art, literature, music, and social aspects of Spain. Students explore contemporary issues through film, periodicals and interviews. Class is taught in Spanish.

SPA-220 or SPA-310 (Required, Previous).

**SPA-325 Latino Catholic Culture 3.00-**

This course is an overview of Latino culture specifically through the lens of Catholic identity so that

students are equipped with the linguistic and analytical skills to encourage an inclusive Catholic community in accordance to the Franciscan values. Through an overview of the historical, political, social and especially artistic markers that have shaped the Latino Catholic Church, this course aims to introduce students to the issues and encourage students to reflect on possible solutions. All students who want to work in the Church in any capacity are encouraged to take this course. English is the language of instruction. Students taking the course as SPA-325 will read and write in Spanish. Cross-listed as LAC-325.

SPA-201 (Required, Previous).

**SPA-330 Business Communication in Global Contexts I 3.00-**

This course will introduce students to the Hispanic business world, the larger political and socio-economic context within which it is rooted and provide students with an overview of Hispanic countries as global market players. Students will learn about financial, economic, political, social, environmental and cultural issues that influence business practices in Latin America and in Spain. Additionally, students will connect with the Hispanic business community in Indianapolis and assess the importance of Spanish to local business practices. Cross-listed as MGT-334. Class is taught in Spanish.

SPA-201 or Placement (Required, Previous).

**SPA-331 Business Communication in Global Contexts II 3.00-**

This course is the second semester of the sequence in Business Communication in Global Contexts. It will provide in-depth knowledge to the Hispanic business world. Students will use business-specific Spanish language in professional contexts and develop a deeper understanding of corporate culture and norms. Students will also produce relevant business documents such as resumes, cover letters and other professional correspondence. Additionally, students will connect with the Hispanic business community in the United States and assess the importance of Spanish to national and global business practices. Class is taught in Spanish.

SPA-330 (Recommended, Previous).

**SPA-335 Latino Voices in the US 3.00-**

This community-engaged learning course is a study of the diverse Latino population of the United States. Literature, film, music, and interdisciplinary scholarship serve as the basis for our study of the social, economic, and political situations of this growing population. This course continues development of the students Spanish language skills through reading and writing assignments in Spanish. For students registered under LAC 335, readings, writing and discussion assignments are in English. Cross-listed as LAC-335.

SPA-220 or SPA-310 (Required, Previous).

**SPA-337 Teaching World Languages: Theory & Prac 4.00-**

Introduce future teachers of world languages to current pedagogical theory and evidence-based practices associated with world language teaching and learning. The course will focus on research surrounding language acquisition and strategies for applying that theory in the classroom. The class will be taught in Spanish or English, depending on the course of study of the students enrolled. 3 credits plus a 1-credit lab (for observing a world language classroom).

**SPA-340 Survey of Spanish Literature: 12th-19th Centuries 3.00-**

A study of the principal movements of Spanish literature from the 12th through the 19th centuries.



Selections from typical works of each literary movement are examined in detail and in the context of the historical and cultural life of the period. Class is taught in Spanish.

SPA-220 (Required, Previous).

**SPA-341 Survey of Spanish Literature: 20th Century to Present 3.00-**

Basic literary survey from the early 20th century to the present. Reading for understanding, including skills of summarization, explication, comparison and analysis. Class is taught in Spanish.

SPA-220 (Required, Previous).

**SPA-345 Spanish Cultural Studies 3.00-**

This course will examine the cultural artifacts (film, art, media, music, and literary texts) of contemporary Spain as a way of understanding different aspects of Spanish society. This course is designed to familiarize students with the major issues as well as support students in building language proficiency. Class is taught in Spanish.

SPA-220 (Required, Previous).

**SPA-350 History and Culture of Latin America 3.00-**

A study of the history, topography, art, philosophy, literature, and sociological aspects of Hispanoamerica. Students explore culture through film, recordings, journals, and personal interviews. This course partially satisfies the general education requirement in the cultural awareness category. Class is taught in Spanish.

SPA-220 or SPA-310 (Required, Previous).

**SPA-355 Hispanic Artistic Expressions 3.00-**

This course provides a multi-dimensional perspective of the diversity of cultural expressions through the analysis of films, media, art (music, painting, dance, performance) and literary works. This course continues to develop students' language skills in Spanish and is therefore conducted in Spanish SPA-220 or SPA-310 (Required, Previous).

**SPA-360 Internship/Practicum in Spanish 1.00-6.00**

An approved internship or work experience using the student's proficiency in the Spanish language. Student may enroll in one to six credits, with a maximum of three credits applying toward the major. Graded S/U.

SPA-220 or SPA-310 (Required, Previous).

**SPA-370 Survey of Span. American Lit: Pre-Columbian Through 19th C. 3.00-**

A study of characteristic literary works from the Pre-Columbian period to romanticism, realism and naturalism in the 19th century. The survey includes special emphasis on representative Spanish-American authors, and relates literary movements to Latin-American history and culture. Class is taught in Spanish.

SPA-220 (Required, Previous).

**SPA-371 Survey of Spanish-American Lit: 20th C. To Present 3.00-**

A survey of literary works from the 20th century to the present, and which are representative of Spanish-American authors. Reading for understanding, including skills of summarization, explication, comparison and analysis. Class is taught in Spanish.

SPA-220 (Required, Previous).

**SPA-380            Special Topics in Spanish            3.00-9.00**

Study of a selected topic in Spanish or Spanish-American literature, current affairs, business or professional communication, or the media. Specific topics and the designated course credit are published in the semester class schedule. Advanced communication skills developed through a semester abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in Spanish and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Class is taught in Spanish. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

SPA-220 (Required, Previous).

**SPA-400            Contemporary Hispanic Themes            3.00-**

Major themes of contemporary Spanish or Latin American society. Course may focus on a particular region, period, or country from late twentieth century to the present. Class is taught in Spanish.

SPA-220 (Required, Previous).

**SPA-460            Internship/Practicum in Spanish            1.00-6.00**

An approved internship or work experience using the student's proficiency in the Spanish language. Student may enroll for one to six credits; a maximum of three credits may apply toward the major. Graded S/U.

SPA-230 or SPA-310 (Required, Previous).

**SPA-480            Special Topics in Spanish            3.00-9.00**

Study of a selected topic in Spanish or Spanish-American literature, current affairs, business or professional communication, or the media. Specific topics and the designated course credit are published in the semester class schedule. Advanced communication skills developed through a semester abroad experience also apply as a special topic. For credits earned through a study abroad experience, selected topics are approved by the advisor in Spanish and the Director of Study Abroad at the time of application. Topics vary from one semester to the next to allow students to take the course more than once. Class is taught in Spanish. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

SPA-220 (Required, Previous).

**SPA-490            Senior Seminar 1.00-**

The seminar addresses the college-wide general education senior theme and text for that year. The common senior experience includes discussion sessions, a convocation presentation, a timed written essay, and an objective test assessment based upon general education goals. Spanish majors register concurrently in SPA-498.

Senior class standing (94 credits) (Required, Previous).

**SPA-498            Guided Research for Majors            2.00-**

This course serves as a comprehensive review and demonstration of skills acquired by the Spanish major. Students prepare specific projects which incorporate communication skills, cultural understanding, and the ability to research, refine, organize, and present a topic of particular interest. The course requires a term paper and an oral presentation of the research in Spanish. It is a capstone course and satisfies the degree requirement for the senior comprehensive.

Senior class standing (94 credits) (Required, Previous).

**SPA-499          Independent Study          2.00-3.00**

Guided readings and research.  
94 credits (Required, Previous).

**SPD-130          Introduction to Exceptional Children          3.00-**

This course is an introduction to the variety of exceptional conditions found in children. Definitions, identification, prevalence, characteristics, and educational needs of the various types of exceptional children will be presented. Information on the roles of the local school agency, the state, and the federal government as they pertain to the education of exceptional children will also be covered. This is a lab course which includes visitations to several school programs and private agencies dealing with children with special needs.

**SPD-130L          Introduction to Ex Children Lab          -**

Introduction to Ex Children Lab  
SPD-130 (Required, Concurrent).

**SPD-154          Observation and Methods for Early Childhood: Excep Needs          3.00-**

This course focuses on observing, recording, and analyzing children's development and behavior, including physical, emotional, cognitive, and social. Typical and atypical development of children is an essential component. Naturalistic observation is the primary area of study. The course requires teacher candidates to work in a preschool classroom one morning per week with children with disabilities. A minimum of 25 hours at the site is required.

**SPD-230          Intro to Special Education for General Education Teachers          3.00-**

Students utilize knowledge of the 13 areas of exceptionalities to effectively educate all students in their future classroom through differentiation, curriculum design, and evidence based practices. This exploration includes historical foundations, current law, developmental theories, evidence based practices, research, and teaching methodology designed to promote individualized student growth in an inclusive general education classroom. A unique blend of coursework and fieldwork ties theory to practice.

**SPD-230L          Intro to Sped for Gen Ed Tchrs Lab          -**

Intro to Sped for Gen Ed Tchrs Lab  
SPD-230 (Required, Concurrent).

**SPD-233          Assessment of Children With Exceptional Needs          3.00-**

This course examines the causes and types of learning problems found in children with Exceptional Needs. Students learn how the teacher can assess children with learning problems. Formal psychological evaluation tools are examined and the value of the information to the classroom teacher is discussed.  
SPD-130 (Required, Previous or concurrent).

**SPD-233L          Assess of Chldn With Ex Needs Lab          -**

Assess of Chldn With Ex Needs Lab  
SPD-233 (Required, Concurrent).

**SPD-338            Exceptional Needs: Methods and Program Management            3.00-**

This course will assist candidates in developing and adapting the curriculum in order to meet the needs of children with exceptional needs. Specific instructional strategies and materials will be reviewed. In-depth reading and writing and experience in school settings are expected.  
SPD-130 (Required, Previous).

**SPD-354            Methods for Transition and Career Assessment            3.00-**

This course examines the assessment and instructional methodology needed to implement and evaluate, career transition career transition vocational programs and post-secondary opportunities that promote successful post-school adjustments for students with mild to moderate disabilities.  
SPD-130 (Required, Previous).

**SPD-354L            Mthds Trans & Car Assess Lab -**

Mthds Trans & Car Assess Lab  
SPD-354 (Required, Concurrent).

**SPD-368            Exceptional Needs Strategies/Practicum            3.00-**

The course will utilize teaching and learning strategies which are relevant and appropriate for children with disabilities. This practicum will combine a weekly group meeting with a 30 hour field experience. Students will observe, interact, and instruct children with exceptional needs. The candidate will determine students' ability levels and will be responsible for individual and/or group lessons and for relating classroom knowledge to actual practice. Students will also review evaluations and complete sample paperwork required by state and federal laws relating to children with exceptional needs.

**SPD-369            Applied Behavior Programming in Special Education            3.00-**

The course reviews the theoretical foundations for developing research based interventions and management strategies to deal with inappropriate classroom behaviors, as well as strategies for individualized education program (IEP) development and implementation of effective behavior plans. A clinical field experience is required.  
SPD-130 (Required, Previous).

**SPD-369L            Applied Behavior Programming in Special            -**

SPD-369 lab.  
SPD-369 (Required, Concurrent).

**SPD-439            Exceptional Needs: Collaboration and Consultation            3.00-**

This course focuses on collaboration themes common to various educational settings: delivery of special educational programming, interpersonal communication, problem solving, cultural diversity, teamwork, and family systems theory. Students examine techniques that promote effective communication between teachers, school administrators and related professionals, families of students and students with exceptional needs.  
SPD-130 (Required, Previous).

**SPD-439L            Collaborative Consultation Lab Consultation            -**

SPD-439 lab.  
SPD-439 (Required, Concurrent).

**SPD-533            Assessment of Children With Exceptional Needs            3.00-**

An in-depth study of theoretical principals of measurement, assessment and evaluation necessary for appropriate identification and determination of individual needs of students eligible for services. Required participation in interdisciplinary, psycho-educational assessment of exceptional children. Analysis and interpretation of assessment data; formulation of educational programming for exceptional children

**SPD-538            Exceptional Needs: Methods and Program Management            3.00-**

This course examines the instructional and organizational skills and methodology necessary for effective programming for students who receive special education services. Topics of primary emphasis include developing effective programming for inclusion, data driven analysis, remediation and skill development.

**SPD-540            Legal Aspects & Current Issues in Special Education            3.00-**

This survey course reviews litigated and legislated standards, providing analytic perspective for special education and related services for persons with disabilities. Students explore current issues in the provision and delivery of services for persons with disabilities, including inclusion, transitions, implementation of IEPs, the response to intervention (RTI), and regulations for eligibility.

**SPD-549            Exceptional Needs: Collaborative Consultation 3.00-**

This course focuses on collaboration themes common to various educational settings: delivery of special educational programming, interpersonal communication, problem solving, cultural diversity, teamwork, and family systems theory. Students examine techniques that promote effective communication between teachers, school administrators and related professionals, families of students and students with exceptional needs.

**SPD-552            Literacy Assessment & Instruction for Special Needs Learners 3.00-**

This course offers an examination for graduate study of instructional literacy strategies, literacy resources, and assessment approaches in K-12 reading education. Students examine and apply how to teach and improve the reading performance of students (K-12) utilizing scientifically based reading and literacy research; linguistic, cultural and social, and psychological theories and factors related to reading acquisition and achievement; and how and when various theories are applied to instructional literacy and reading practices.

**SPD-553            Teaching Reading Pre K-Elementary            3.00-**

This foundation and application course provides a focused basis of instructional literacy strategies, literacy resources, and assessment approaches in pre- K-6 reading education designed to teach reading to young students with exceptional needs. Participants will learn to apply strategies designed to improve the reading performance of elementary/middle school students with mild to moderate disabilities.

**SPD-554            Methods for Transition and Career Assessment            3.00-**

This course examines the assessment and instructional methodology needed to implement and evaluate, career transition vocational programs and post- secondary education opportunities that promote successful post-school adjustments for students with mild to moderate disabilities.

**SPD-555            Language Methods in Special Education            3.00-**

This course reviews theoretical foundations connecting knowledge to appropriate, effective research based methodology and teaching strategies that can be used by teachers with students who have difficulty with receptive, expressive and written language. Instructional methods include both curriculum modifications and teacher-devised tasks.

**SPD-557            Mathematics Methods in Special Education            3.00-**

This course offers an examination of the mathematical foundations, Numeration, Algebra, Geometry, Measurement, Data Analysis and Probability, Mental Computation and Estimation, Foundations for Problem Solving and Applied Problem solving. Participants will review current effective research based instructional strategies for the sequential and hierarchical nature of the discipline.

**SPD-560            Internship in Special Education 3.00-**

This course, scheduled midway through the program, provides supervised experiences in the education of children and youth in grades Kindergarten through twelve who require special education services. The internship sites and activities are assigned according to each student's interest and training needs. The participant implements foundational knowledge, skills, and dispositions gained in course work in the areas of assessment, instruction, classroom management, and individual behavior intervention. Graded S/U.

**SPD-571            Instruction With Assistive Technology 3.00-**

This course reviews access to General Education Curriculum with Technology Accommodations (Lab Class). Class members investigate student characteristics, the collaborative role of educators, and strategies for differentiating instruction for students with exceptional needs within the general education environment. Participants examine universal design for learning approaches and technologies to improve student inclusive participation in educational programs.

**SPD-573            Applied Behavior Programming in Special Education            3.00-**

This course reviews the theoretical foundations for developing research based interventions and management strategies to deal with inappropriate classroom behaviors, as well as strategies for individualized education program (IEP) development and implementation of effective behavior plans.

**SPD-580            Special Topics in Special Education            1.00-3.00**

Selected topics approved by the Educator's College. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**SPD-585 Capstone in Special Education 3.00-**

The candidate will research, design and implement programming that dramatically changes outcomes for students with exceptional needs.

**SPD-590 Research in Special Education 3.00-**

Instruction in the development, conduct, and reporting of research in a selected area: Design and appraisal of current practices and methodology, pedagogy and other areas of applied sciences and special education.

**SPD-599 Independent Study 1.00-3.00**

This course is designed to provide the student with an opportunity to gain or enhance their knowledge and to explore an area of interest special education.

**SPD-650 Behavior Analytic Concepts & Principles 3.00-**

This course focuses on foundational concepts in the field of behavior analysis and ensure each student is able to both identify and apply various techniques in the field as a behavior analyst. The concepts addressed in this course include, but is not limited to the following: philosophical underpinnings of the field; operant conditioning, reinforcement and punishment; reinforcement schedules; extinction; stimulus control; motivating operations, and rule governed versus contingency shaped behaviors.

**SPD-652 Adv. Behavior Analytic Principles & App 3.00-**

This course introduces and allows the analysis of more complex concepts and principles within the field of behavior analysis. This course focuses on a variety of topics including, but not limited to, the following: prompting and transferring stimulus control; chaining; antecedent procedures; behavior skills training; punishment and ethics; promoting generalization; self-management; habit reversal procedures; and behavior contracts.

SPD-650 (Required, Previous).

**SPD-654 Behavior Assessment and Change 3.00-**

Behavior Assessment and Change is a course designed to improve students' ability to assess, determine the function of a behavior, identify appropriate interventions, and implement interventions. This course dives deeper into the following concepts: functions of behavior; choosing and implementing function-based interventions; creating data collection sheets; identifying replacement behaviors, choose and implement a reinforcement schedule; and assess if individuals are making progress; creating behavior-based goals; identifying potential reinforcers; and collaborate with others in the lives of individuals.

SPD-650 (Required, Previous).

**SPD-656 Ethical Practice of Behavior Analysts 3.00-**

Ethical Practice of Behavior Analysts focus on the Ethical Code set for by the Behavior Analyst Certification Board (BACB) and the expectations for those holding the Board Certified Behavior Analysts (BCBA) credential. This course will work through the Ethical Expectations, as well as providing students a chance to analyze situations and discuss the ethical implications. This course will also allow students opportunities to support their case in an ethical manner for multiple cases. No prerequisite for this

course.

**SPD-658 Verbal Behavior Foundations & Design 3.00-**

Verbal Behavior Foundations & Application provides operants in the field of behavior analysis, as well as the application of each. During this course, students will be able to practice with the verbal operants, create plans to teach the operants to individuals, and create plans to train others to implement the verbal operant plan.

**SPD-660 Experimental Design & Data Analysis 3.00-**

Experimental Design & Data Analysis prepares behavior analysts to be knowledgeable in research, specifically single-subject design. Skills included in this course include but are not limited to: operationally defining a behavior; working with multiple data collection methods and measurement systems; graphing data; analyzing graphed data; variables; and validity. This course will prepare behavior analysts to analyze research and for beginning their own research.

SPD-650 (Required, Previous).

**SPD-662 Personnel Development and Management 3.00-**

Personnel development and management focuses on building pre-service BCBAs skill set in the area of training staff, providing feedback to staff about performance, and on-going staff development through the Performance Management (PM) lens. Included in this course is a focus on supervision and ensure it is quality and ensures growth.

SPD-650 (Required, Previous). | SPD-652 (Required, Previous).

**STA-205 Elementary Applied Statistics 3.00-**

A study of basic statistical methods with a focus on applied data analysis. Develops proficiency in the use of descriptive methods, sampling, linear regression and correlation, chi-square family of test, Z family of test, T family of test, and One-Way ANOVA and 2-way ANOVA with discussion of higher-level experimental designs. Explores hypothesis testing, probability theory and distributions, statistical inference techniques for estimation and hypothesis testing from a non-calculus-based framework. Reviews applications across natural, managerial, and social sciences. Software will be introduced for data visualization including graphical and numerical displays of data and generation of reports for statistical summaries. Computer lab sessions for an important part of the course.

Placement (Required, Previous).

**SUR-920 Surgery Selective: Anesthesia 5.00-**

Surgery rotations.

**SUR-920.5 Surgery Selective: Anesthesia 2.50-**

Surgery rotations.

**SUR-922 Surgery Selective: Cardiothoracic Surgery 5.00-**

Surgery rotations.



**SUR-922.5**      **Surgery Selective: Cardiothoracic Surgery**      **2.50-**  
Surgery rotations.

**SUR-923**      **Surgery Selective: Vascular Surgery**      **5.00-**  
Surgery rotations.

**SUR-923.5**      **Surgery Selective: Vascular Surgery**      **2.50-**  
Surgery rotations.

**SUR-932**      **Surgery Selective: Colon and Rectal Surgery**      **5.00-**  
Surgery rotations.

**SUR-932.5**      **Surgery Selective: Colon and Rectal Surgery**      **2.50-**  
Surgery rotations.

**SUR-935**      **Surgery Selective: General Surgery**      **5.00-**  
Surgery rotations.

**SUR-935.5**      **Surgery Selective: General Surgery**      **2.50-**  
Surgery rotations.

**SUR-936**      **Surgery Selective: Gyno & Obstetric Surg Obstetric Surgery**      **5.00-**  
Surgery rotations.

**SUR-936.5**      **Surgery Selective: Gyno & Obstetric Surg Obstetric Surgery**      **2.50-**  
Surgery rotations.

**SUR-937**      **Surgery Selective: Gynecological Oncolog Oncology**      **5.00-**  
Surgery rotations.

**SUR-937.5**      **Surgery Selective: Gynecological Oncolog Oncology**      **2.50-**  
Surgery rotations.

**SUR-944**      **Surgery Selective: Neurological Surgery**      **5.00-**  
Surgery rotations.

**SUR-944.5**      **Surgery Selective: Neurological Surgery**      **2.50-**  
Surgery rotations.

**SUR-950**      **Surgery Selective: Orthopedic Surgery**      **5.00-**  
Surgery rotations.

**SUR-950.5**      **Surgery Selective: Orthopedic Surgery**      **2.50-**  
Surgery rotations.

**SUR-952**      **Surgery Selective: Otolaryngology Surgery**      **5.00-**  
Surgery rotations.

**SUR-952.5**      **Surgery Selective: Otolaryngology Surgery**      **2.50-**  
Surgery rotations.

**SUR-954**      **Surgery Selective: Pediatric Surgery**      **5.00-**  
Surgery rotations.

**SUR-954.5**      **Surgery Selective: Pediatric Surgery**      **2.50-**  
Surgery rotations.

**SUR-968**      **Surgery Selective: Urology**      **5.00-**  
Surgery rotations.

**SUR-968.5**      **Surgery Selective: Urology**      **2.50-**  
Surgery rotations.

**SUR-976**      **Surgery Selective: Ophthalmic Surgery**      **5.00-**  
Surgery rotations.

**SUR-976.5**      **Surgery Selective: Ophthalmic Surgery**      **2.50-**  
Surgery rotations.

**SUR-985**      **Surgery Slective: Wound Management**      **5.00-**  
Surgery rotations.

**SUR-990      Surgery Selective: Trauma Surgery      5.00-**  
Surgery rotations.

**SUR-992      Surgery Selective: Oral & Maxillofacial Maxillofacial Surgery      5.00-**  
Surgery rotations.

**SUR-992.5      Surgery Selective: Oral & Maxillofacial Maxillofacial Surgery      2.50-**  
Surgery rotations.

**SUR-994      Surgery Select: Plastic & Maxillofacial Maxillofacial Surgery      5.00-**  
Surgery rotations.

**SUR-994.5      Surgery Select: Plastic & Maxillofacial Maxillofacial Surgery      2.50-**  
Surgery rotations.

**SUR-995      Surgery Selective: Interventional Radiol      5.00-**  
Surgery selective

**SWK-110      Introduction to Social Work      3.00-**

This course is an introduction to the profession of social work and the social welfare system. The historical development of the field, including prominent persons, events and legislation, and the National Association of Social Workers Code of Ethics are emphasized. Along with fundamental theoretical concepts and practices in the field, students are introduced to issues of discrimination in marginalized populations. Cross-listed as SOC-265.

**SWK-145      Introduction to Social Justice      3.00-**  
see SOC-145

**SWK-200      Human Behavior and the Social Environment      3.00-**

An exploration of why humans behave the way that they do. Empirically-supported theories and knowledge are used to understand reciprocal relationships among human biological, psychological, spiritual, social, and cultural systems, with a focus on at-risk and oppressed populations and cultures. SWK-110 (Required, Previous).

**SWK-251      Case Management      3.00-**  
NEED

**SWK-270      Social Welfare Policy and Programs      3.00-**

Introduces the historical development, mission, and philosophy of social welfare in the United States with a focus on the analysis of current social welfare programs. Focuses on economic, religious, political,

and other socio-cultural influences on contemporary welfare policies and services.  
SWK-110 (Required, Previous).

**SWK-280 Special Topics in Social Work 1.00-3.00**

Readings, discussions, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**SWK-310 Social Work Practice With Individuals And Families 3.00-**

A presentation of basic knowledge, skills, and theory used for professional practice with individuals and families, such as biopsychosocial assessment techniques, interviewing skills, crisis intervention, and referral procedures. The course objectives will teach students how to engage, plan, assess, intervene, and evaluate micro-level practice.

SWK-110 or PSY-101 or SOC-101 (Required, Previous).

**SWK-320 Race and Ethic Relations 3.00-**

see SOC-320

SOC-101 (Required, Previous).

**SWK-325 Social Class, Power, and Inequity 3.00-**

see SOC-325

SOC-101 (Required, Previous).

**SWK-350 Social Work Research and Assessment 3.00-**

This course presents a broad range of research and assessment tools that social workers can use to improve the effectiveness and efficiency of their practice, such as tests and diagnostic tools are studied in depth. The course includes methodological considerations relating to operationalizing concepts, research design (experimental, survey, and field), sampling instrumentation, methods of data collection and analysis, and report preparation and dissemination. This course satisfies the writing intensive requirement in the student's major.

PSY-205 or SOC-205 (Required, Previous). | SWK-110 (Required, Previous).

**SWK-360 Social Work Practicum I 3.00-**

Students are placed in a supervised experience in a social work field according to their career interests and academic abilities. A minimum of ten hours per week of on-the-job work is required to earn credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. Grade S/U.

Junior class standing (62 credits) (Required, Previous).

**SWK-380 Special Topics in Social Work 1.00-3.00**

Readings, discussions, and writing on selected topics. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**SWK-410 Social Work Practice With Groups 3.00-**

A presentation of basic knowledge, skills, and theory used for professional practice with both task and treatment groups, such as the dynamics of small group process and appropriate practitioner interventions. The course objectives will teach students how to engage, plan, assess, intervene, and

evaluate mezzo-level practice.

SWK-310 or PSY-430 (Required, Previous).

**SWK-415 Social Work Practice With Organizations And Communities 3.00-**

A presentation of basic knowledge, skills, and theory used for professional practice within organizational, neighborhood, and community contexts. Change strategies such as mobilization, social action, citizen participation, advocacy, and services development are explored. The course objectives will teach students how to engage, plan, assess, intervene, and evaluate macro-level practice.

SWK-310, POL-102, HIS-217 or HIS/SOC 375 (Required, Previous).

**SWK-460 Social Work Practicum II 3.00-**

Students are placed in a supervised experience in a social work field according to their career interests and academic abilities. A minimum of ten hours per week of on-the-job work is required to earn credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. Grade S/U.

Junior class standing (62 credits) (Required, Previous).

**SWK-461 Social Work Practicum III 3.00-**

Students are placed in a supervised experience in a social work field according to their career interests and academic abilities. A minimum of ten hours per week of on-the-job work is required to earn credit. Students are evaluated by their on-the-job supervisor and by a journal submitted to the monitoring faculty member. Grade S/U.

Junior class standing (62 credits) (Required, Previous).

**SWK-490 Senior Seminar 3.00-**

Seminar students engage in intensive reading and discussion of capstone issues in social work linked to the college-wide general education theme of the year. Papers, class presentations, and discussion and attendance at college-wide events in support of the general education theme are required. Students also begin preparation for graduate school or careers.

Senior class standing (94 credits) (Required, Previous).

**SWK-499 Independent Study 1.00-3.00**

Guided readings and research. May enroll for 1-3 c

**THE-105 Theatre Production 0.50-1.00**

Open to all students by audition or interview, Theatre Production is an ensemble of performers and technicians focused on mounting the Department of Theatre show(s) each semester. Students are involved as performers, technicians, designers, and stage managers. Enhancement courses, such as THE-105, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree.

**THE-110 Introduction to Theatre 3.00-**

A survey of all aspects of the theatre arts experience including studies of dramatic literature, history, performance, design, and stagecraft. Through play readings, viewings of live and filmed performances, and hands-on activities, students will be exposed to the world of theatre; a complex, collaborative, and

multi-disciplined art that can both enrich their lives and enhance their academic and professional careers.

**THE-120      Acting I      3.00-**

Fundamental techniques in acting with practice in pantomime, improvisation, movement and vocal production. Students learn through performing in class exercises, improvisations and scenes while also learning to observe and evaluate their classmates' work and the work of professional actors.

**THE-130      Stagecraft      3.00-**

This fundamental course in theatre includes both theoretical and practical introductions to the basics of set construction, rigging, scene painting, and lighting. Theatrical problems are presented to be solved creatively and collaboratively after being acquainted with the standard materials, methods, and tools of the Theatre artisan.

**THE-143      Musical Theatre Dance Techniques      2.00-**

This course is designed to introduce students to fundamental dance techniques used in musical theatre through exposure to the different styles of the great choreographers in musical theatre history. Students will learn dance vocabulary, strategies for audition, and proper dance technique while performing with the class. Cross-listed as MUS-143.

**THE-201      Three-Dimensional Design      3.00-**

See ART-201.

**THE-206      Color Theory and Application      3.00-**

See ART-206.

**THE-225      Music Theatre Performance Workshop      3.00-**

See MUS-200.

**THE-231      Design for Theatre I      3.00-**

This course is an introduction to the history, styles and techniques of stage scenery, lighting and costumes. Students will learn the development of conceptual ideas, which are inspired by a dramatic text, to the finished product on the stage. A strong understanding of the theatrical vernacular is emphasized as students are encouraged to communicate their ideas through several mediums including written presentations, sketches, drafting, rendering and three-dimensional models.

**THE-235      Oral Interpretation of Literature      3.00-**

See COM-235.

**THE-245 Page to Stage: Studies in Dramatic Literature and Performance 3.00-**

This course offers students a detailed examination of four plays in the semester through textual and performance analysis. Students will learn how dramatic literature is translated to the stage, analyze thematic choices, style, and content, and determine how these factors together make cohesive theatrical productions and promote intentional as well as unintentional meanings. The course may be repeated for credit since subject matter varies each semester. Enrollment in this course requires attending performances. Cross-listed as ENG-245.

**THE-250 Applied Theatre and the Franciscan Value 3.00-**

This course explores the intersection of our Franciscan Values and theatre applications outside of the traditional theatre setting. A combination of classroom-based learning and hands-on, community-based learning, this service engagement course engages theatre practice to explore its role in advancing social justice. This course will meet regularly off campus and require access to public or private transportation.

**THE-260 Theatre Arts Practicum 3.00-**

Students work in supervised industry positions related to theatre arts. Practica are expected to be entry-level positions giving students an introduction to any number of fields within the theatre arts (carpentry, costuming, painting, electrical, etc.). Placements may or may not be paid positions. Students are evaluated both by their workplace supervisor and by means of a paper submitted as an end-of-course project to the monitoring faculty. A minimum of 60 hours of actual work experience is required to earn one credit. Graded S/U.

Sophomore class standing or higher (30 credits) (Required, Previous).

**THE-268 History of Musical Theatre 3.00-**

See-MUS-268.

**THE-275 Intro to Film Production 3.00-**

See COM-275.

**THE-280 Special Topics in Theatre 3.00-**

Explores specialized areas of study in theatre. Topics may include, but are not limited to, advanced studies in design or performance in theatre, dramatic literature, technical theatre, and etc. The course may be repeated for credit since subject matter varies each semester. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**THE-310 Survey of Dramatic Literature 3.00-**

This course exposes the student to critical approaches to representative major plays and playwrights throughout history.

**THE-320 Acting II 3.00-**

Building on the concepts and techniques learned in Acting I (THE-120), this class concentrates on

applying a more specific approach to acting through detailed scene analysis, exploration of objective, obstacle and subtext, reading and research of major acting techniques, and performance of contemporary scenes.

THE-120 (Required, Previous).

**THE-331            Design for Theatre II    3.00-**

This course will build upon what is learned in Design for Theatre I. Students will refine and deepen their understanding of the history, styles, and techniques of stage scenery, lighting, and costumes. Students will be expected to communicate their ideas through several mediums including written presentations, sketches, drafting, rendering, and three-dimensional models.

**THE-333            Modern Drama            3.00-**

See ENG-333.

ENG-112 (Required, Previous).

**THE-334            Modern Women Playwrights    3.00-**

See ENG-334.

ENG-112 (Required, Previous).

**THE-335            Shakespeare    3.00-**

See ENG-330.

ENG-112 (Required, Previous).

**THE-353            British Renaissance Literature: Tudor And Stuart Drama            3.00-**

See ENG-353.

ENG-112 (Required, Previous).

**THE-360            Internship in Theatre    3.00-**

Students work in supervised industry positions related to theatre arts. Internships are expected to be higher than entry level placements, and may or may not be paid positions. Students are evaluated by both their onsite supervisor and by means of a paper submitted as an end-of-course project to the monitoring faculty. A minimum of 60 hours of actual work experience is required to earn one credit. Graded S/U.

Junior or senior class standing (62 credits) (Required, Previous).

**THE-380            Special Topics in Theatre            3.00-**

Topics may include, but are not limited to, advanced studies in design or performance in theatre, dramatic literature, technical theatre, and etc. The course may be repeated for credit since subject matter varies each semester. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**THE-450            Directing            3.00-**

This course will immerse the student in the stage director's process: selecting and analyzing scripts, developing an approach to the material, seeking inspiration, collaborating on the project, and converting vision to reality in rehearsal. Students will engage with scenes of various styles from realism to less-



literal forms of theatre

THE-120 (Required, Previous). | THE-231 (Required, Previous).

**THE-460 Internship 1.00-3.00**

Students work in supervised industry positions related to theatre arts. Internships are expected to be higher than entry level placements, and may or may not be paid positions. Students are evaluated by both their onsite supervisor and by means of a paper submitted as an end-of-course project to the monitoring faculty. A minimum of 60 hours of actual work experience is required to earn one credit. Graded S/U.

Junior or senior class standing (62 credits) (Required, Previous).

**THE-490 Senior Seminar in Theatre 3.00-**

In this capstone course students extend their knowledge and abilities gained in their study of theatre by preparing a final project for public presentation highlighting the student's particular individual interest in theatre (i.e. design, acting, directing, dramaturgy, etc.) and compiling their senior portfolio.

Incorporates the general education senior topic and text.

Senior class standing (94 credits) (Required, Previous).

**THE-499 Independent Study in Theatre 3.00-**

Course may include guided readings, research or production projects.

Junior or senior class standing (62 credits) (Required, Previous).

**THL-100 The Practice of Prayer 1.00-**

An enrichment course with the primary emphasis on the act of praying. The focus is on personal spiritual development. Specific prayer experiences determined by individual facilitator(s) each semester.

Enhancement courses, such as THL-100, may be repeated for credit, with a maximum of 12 credits earned toward a bachelor degree or six credits toward an associate degree. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-103 Catholic Beliefs and Practices 3.00-**

An opportunity for students to become acquainted with, claim or reclaim Catholic identity through a discussion of basic Catholic beliefs and practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-104 The Creed 1.00-**

An exploration of the creed, its development, history, contemporary understanding and personal appropriation. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-105 Introduction to Theology 3.00-**

Study of the meaning and nature of theology, theological issues of God, human persons, Jesus the Christ, the Holy Spirit, the Church, and an introduction to Scriptures, liturgy, sacraments and Christian morality. This course partially satisfies the general education curriculum standards of faith, ethics, and

foundations of thought.

**THL-105S Introduction to Theology (CEP) 3.00-**

Catholic Educator Program alternative to THL-105 for those desiring to teach in Catholic schools. Includes 104, 116, and 136. This course partially satisfies the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-106S Jesus and the Scriptures 3.00-**

Catholic Education Program alternative to second theology distribution course for those desiring to teach in Catholic schools. Includes 126, 128, 114. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-114 The Person of Jesus Christ 1.00-**

An introduction to ongoing Catholic reflection on Jesus, the paschal mystery, the incarnation, and salvation. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-116 Our Moral Response to Christ 1.00-**

This course explores Christian morality as a response to the love of God. Students will work together to understand the formation of conscience, sin and its effects, and the call to conversion in the Christian call. The focus is on human consciousness and the process of coming to know, to value, and to cooperate with what is truly good and to resist what is evil. The course will explore how free and loving persons act in a world where pain and injustice oftentimes thrive. Case studies will be discussed in areas of health, euthanasia, human sexuality, and social responsibility. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-126 Introduction to the Old Testament 1.00-**

An exploration and understanding of Jesus own culture, geography, the history of his people, and their faith and traditions as handed on in the documents that Christians call the Old Testament. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-128 Introduction to the New Testament 1.00-**

A study of the literature of the New Testament. The focus of the course is on the variety of ways in which the message of Jesus was interpreted by the early Christian communities. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-129 Biblical Greek 3.00-**

Study and practice in vocabulary recognition, grammar, syntax and reading of biblical Greek. New Testament selections are employed as appropriate, in order to move students toward the goal of

beginning competence in reading the Greek New Testament. This course does not apply toward the general general education curriculum standards of faith, ethics, and foundations of thought.

**THL-130 Introduction to Biblical Greek II 3.00-**

Builds on the first semester of Greek and provides practice in reading and exegeting the Greek New Testament. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought nor the language requirement in the general education core.

THL-129 (Required, Previous).

**THL-136 Liturgy and Sacraments 1.00-**

An exploration of liturgy and sacraments in general and in each of the seven sacraments, as they are understood, celebrated and lived. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-142 Prayer and Praying With Children 1.00-**

An exploration of spirituality within the Catholic tradition as lived out in the adult life. This course looks at the variety of prayer styles and formulas in the Church and reflect upon the nature of spirituality in the life of children. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-145 Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-146 Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-170 Theology and Spirituality of Ministry 3.00-**

Exploration of the practice of ministry in scripture, Christian history, and present practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-176 Internship in Ministry 0.50-**

Pastoral Leadership majors are expected to participate in a formal internship for no less than two hours each week throughout the first three years. Internship may be waived for persons concurrently working 10 or more hours in a formal ministry role. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-177 Internship in Ministry 0.50-**

Pastoral Leadership majors are expected to participate in a formal internship for no less than two hours each week throughout the first three years. Internship may be waived for persons concurrently working 10 or more hours in a formal ministry role. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-205 Studies in Jesus the Christ 3.00-**

Exploration of the various portraits of Jesus found in the Gospels and the writings of Paul. One objective is to begin to formulate one's own Christology in the light of such key concepts as Incarnation, Passion and Resurrection. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-208 The Church 3.00-**

The nature and structure of the Church. A consideration of the images of the Church in the Scriptures provides the context for the study of later controversies, theologies and declarations by Popes and Church Councils. A thorough study of the documents of Vatican Council II with consideration to their ecumenical significance. Study of contemporary Roman Catholic theologies of the Church. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-216 Moral Issues 3.00-**

A study of moral theology in relationship to current moral issues with a particular emphasis on the dignity of the human person, conscience formation, and the struggle to live authentically in our culture. Moral issues concentrate on a consistent ethic of life encompassing the personal, social, economic, and ecological dimensions. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-218 Fundamental Catholic Moral Theology 3.00-**

Prerequisite: 105. Study of foundational principles in Catholic moral theology with emphasis on identifying and analyzing the legitimate sources of moral reflection. In light of these sources, this course examines concepts fundamental to Catholic moral reflection such as natural law, Christian anthropology, virtue, and freedom.

THL-105 (Required, Previous).

**THL-226 Old Testament 3.00-**

A study of the literature of the Old Testament with particular emphasis on the gradual development of the Biblical nation of Israel and its theology. Texts are discussed in light of their historical settings and as their messages apply today. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement). This course satisfies the writing intensive requirement in the student's major.

**THL-228            New Testament            3.00-**

A study of the literature of the New Testament. The course focuses on the variety of ways in which the message of Jesus was interpreted by the early Christian communities. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement). This course satisfies the writing intensive requirement in the student's major.

**THL-232            History of Christian Thought    3.00-**

A study of how the Christian community has attempted to articulate its belief through the thought patterns current at various moments of its history. Specifically stresses the patristic, scholastic, and reformation periods, with application to contemporary issues. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-236            Liturgy and Spirituality 3.00-**

A study of the nature and use of symbol in worship and sacraments. The course is directed toward understanding liturgy and sacraments as expressions of the heart of the Gospel message—healing, reconciliation, entering into the new life and mission of Jesus. A unit of this course deals with classical and contemporary spirituality. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-241            Introduction to the Art of Spiritual Direction    3.00-**

This course is offered externally through the Benedict Inn and requires acceptance by the appropriate director. A course in spiritual formation and the first step toward an internship in spiritual direction. As such, it has a twofold goal and structure. Class presentations are intended to introduce and explore the history of spirituality, ways of praying, faith development and the meaning of spiritual direction as reflected in the Christian tradition. The corresponding group sessions focus on each person's spiritual journey by actual time spent praying together and processing the material presented in the input sessions through group discussion. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-242            The Spiritual Journey    3.00-**

The second course of a four semester Spiritual Direction Internship Program. The class presentations are intended to introduce and explore the spiritual journey through the eyes of the desert Fathers/Mothers, Julian of Norwich, Teresa of Avila and John of the Cross. The corresponding group sessions are the practicum component of the internship. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

THL-241 (Required, Previous).

**THL-245            Mentoring in Ministry    0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-246            Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-258            Asian Religions 3.00-**

A study of the major traditional Asian religions of India, China and Japan as seen in their historical settings. Emphasis is upon Hinduism, Buddhism, Confucianism, Taoism, Shinto and Islam, with comparisons to Christianity. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought, but partially fulfills the cross-cultural general education requirement in the cultural awareness category.

**THL-270            The Franciscan Person 3.00-**

An exploration of Franciscan spirituality through the lives and writings of St. Francis and St. Clare with special attention given to the issues of vocation and discernment. Open only to San Damiano scholars. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-276            Internship in Ministry 0.50-**

Pastoral Leadership majors are expected to participate in a formal internship for no less than two hours each week throughout the first three years. Internship may be waived for persons concurrently working 10 or more hours in a formal ministry role. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-277            Internship in Ministry 0.50-**

Pastoral Leadership majors are expected to participate in a formal internship for no less than two hours each week throughout the first three years. Internship may be waived for persons concurrently working 10 or more hours in a formal ministry role. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-280            Special Topics in Theology 3.00-**

Readings, discussion and writing on selected theological topics in Catholic studies. May be repeated for credit since subject matter varies. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**THL-308            Christian Unity and Diversity 3.00-**

A study of the development, beliefs, and practices of the Roman Catholic, Eastern Orthodox, Anglican and Protestant churches. Includes lectures, discussions, visitation of various churches and guest speakers. Consideration of the role of ecumenism in church life. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL

requirement).

**THL-316 Theological Bioethics 3.00-**

This course will examine a series of prominent issues in bioethics from a theological perspective. The theological basis for an ethics of healthcare will be discussed as well as certain principles that flow from that foundation. This material will then be used to analyze a series of issues including treatment of the dying, experimentation on human embryos, and the just distribution of healthcare. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

THL-105 (Required, Previous). | PHL-130 (Required, Previous).

**THL-321 Religious Perspectives on Social Issues 3.00-**

This course explores historically and systematically religious perspectives and responses to timely social issues including roles of women and men, war and peace, and the economy. Topics to be explored and discussed include the possibility, necessity and character of religious statements on social issues, previous and contemporary Christian attitudes on selected topics and the apparent dilemma of conflicting perspectives. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-322 Catholic Social Teaching 3.00-**

This course is a study of the ongoing understandings and judgments of the Catholic community in its attempts to bring the Gospel to bear on social, political, and economic realities. The modern teachings (from Rerum Novarum to Centesimus Annus) and the concerns for the dignity of working persons, solidarity with the poor, and social justice are highlighted. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-323 Feminist Theologies 3.00-**

See GST-304. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-326 Fundamentals of Jewish Theology and Practice 3.00-**

This course introduces the student to the theological and religio-cultural concepts which have shaped Jewish belief, belonging and behavior, and provides the background that helps the student appreciate the basic issues and concerns which inform Jewish life today in its unity and its diversity. Course endowed by the Jewish Chatauqua Society. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-327 Psalms and Other Biblical Prayer Texts 3.00-**

A text-based study of the prayer texts of the Old and New Testaments in canonical, form-critical, and theological dimensions. This course does not apply toward the general education curriculum standards

of faith, ethics, and foundations of thought.

THL-105 (Required, Previous). | THL-226 (Required, Previous).

**THL-328 St. Paul to the Romans 3.00-**

A text-based reading of the New Testament letter of Romans in theological, philosophical, and political dimensions. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

THL-105 (Required, Previous). | THL-228 (Required, Previous).

**THL-332 Creative Theologians of the Modern Era 3.00-**

Review and discussion of a number of modern theologians who have made special contributions in dealing with the problems of our times and the advancement of the Christian faith. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

**THL-337 Christian Celebration of the Mass 3.00-**

This course places the theology, history, and practice of the Roman Catholic celebration of the Mass in conversation with contemporary pastoral contexts. Students will gain familiarity with the ritual form and theological content of the Mass through close readings of primary and secondary theological sources. This course partially satisfies Marian-specific general education curriculum standards of faith, ethics, and foundations of thought (2nd THL requirement).

THL-105 (Required, Previous).

**THL-338 Marriage 3.00-**

This course will examine marriage in its biblical, historical, sacramental, and ethical dimensions. The course will analyze discernment of and preparation for marriage, the marriage rite, and the vocational role of marriage as a call to imperfect but graced community. Contemporary pastoral questions and challenges will also be addressed.

THL-105 (Required, Previous).

**THL-345 Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-346 Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-355 Psychology of Religion 3.00-**

See PSY-355. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

PSY-101 or PSY-220 (Required, Previous). | THL-105 (Required, Previous).



**THL-358 Religion and Globalization 3.00-**

See GLS-358. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

GLS-101 (Required, Previous). | THL-105 (Required, Previous).

**THL-361 Theory of Catechetics 3.00-**

This course explores catechesis and religious education, the structure and implementation of catechetical programs, and the role of the catechist and others who share in the catechetical mission of the Church. Includes the content of THL 142, Prayer & Praying with Children. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-371 Youth Ministry 3.00-**

An introductory study of comprehensive Catholic/Christian youth ministry; examines the Church's ministry to adolescents; explores essential ecclesial documents and non-ecclesial texts which pertain to and advocate for young people; addresses pertinent theological, liturgical, and pastoral issues in youth ministry; investigates various pedagogical methodologies and models for congregational/parish youth ministers to employ. This is a foundational course in youth ministry. It is designed to help the prospective youth minister to understand practical side of youth ministry as well as learn to think theologically about youth ministry as an indispensable, holistic, and comprehensive ministry within the church. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

THL-105 (Required, Previous).

**THL-376 Internship in Ministry 0.50-**

Pastoral Leadership majors are expected to participate in a formal internship for no less than two hours each week throughout the first three years. Internship may be waived for persons concurrently working 10 or more hours in a formal ministry role. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-377 Internship in Ministry 0.50-**

Pastoral Leadership majors are expected to participate in a formal internship for no less than two hours each week throughout the first three years. Internship may be waived for persons concurrently working 10 or more hours in a formal ministry role. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-380 Selected Topics in Contemporary Theology 1.00-3.00**

This seminar addresses an announced special topic which the department deems is important to the development of the advancing student of theology, is appropriate to the needs of contemporary society, and requires of itself a full semester's work. The course is recommended for majors and non-majors (with staff approval) who have fulfilled the distribution requirement of six hours of theology. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**THL-381 Selected Topics in Catholic Studies 3.00-**

Readings, discussion and writing on selected theological topics in Catholic studies. May be repeated for credit since subject matter varies.

**THL-441 Psychological Aspects of the Spiritual Journey 3.00-**

The third course of a four semester Spiritual Direction Internship Program. The class presentations focus on some insights of contemporary psychology in order to help the spiritual director understand her/himself as well as the directee better. Aspects of depth psychology as well as developmental stage theory are explored. The group sessions include real play in a large group setting as well as in small group, videotaping and presentations of verbatims. This course is offered externally through the Benedict Inn. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

THL-242 (Required, Previous).

**THL-442 Issues in Spiritual Direction 3.00-**

The fourth and final course in the Spiritual Direction Internship is designed to help prepare the participants to deal constructively with areas which are problematic for many people as they try to live committed Christian lives. During this time the small group session focuses on the practical application of this knowledge. This course is offered externally through the Benedict Inn. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

THL-441 (Required, Previous).

**THL-445 Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-446 Mentoring in Ministry 0.25-**

Weekly meetings with a theology faculty member to practice ministry skills being learned and to reflect theologically on these practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-460 Internship in Religious Education 2.00-4.00**

The first two-hour segment of this course is designed to prepare the student with practical experience and training in classroom teaching at various age levels. The second two-hour segment includes experience in organization and administration of religious school programs. The student is placed and supervised in one or more of the cooperating schools of the Indianapolis area. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-463 Administration in Parish Religious Education 3.00-**

This course is designed to enable the parish administrator of religious education to become aware of the roles that he/she plays in the parish and the resources that are available through the Archdiocese of Indianapolis and the national Roman Catholic Church. The course is offered externally through the

Archdiocese of Indianapolis and requires acceptance into the program by the appropriate archdiocesan office. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-474 Pastoral Administration Procedures 3.00-**

Examines diocesan and parish life; involves outside ministry component; special attention given to pastoral leadership, management functions, and ministry applications; includes theological reflection, small group work, pastoral interviews, videotaping, role-play, and presentations of verbata.

THL-170 (Required, Previous).

**THL-475 \_\_\_\_\_: History, Polity, Ministry and Practices 3.00-**

This is ordinarily a private tutorial course focusing on the student's own tradition or denomination's history, polity, ministry, and practices. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-476 Internship 1.00-**

Continued preparation for ministry through practical experience and training. This course does not apply toward the general education curriculum standards of faith, ethics, and foundations of thought.

**THL-480 Selected Topics in Contemporary Theology 1.00-3.00**

This seminar addresses an announced special topic which the department deems is important to the development of the advancing student of theology, is appropriate to the needs of contemporary society, and requires of itself a full semester's work. The course is recommended for majors and non-majors (with staff approval) who have fulfilled the distribution requirement of six hours of theology. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**THL-490 Senior Seminar 3.00-**

A comprehensive review of theological issues open to junior or senior theology, pastoral leadership, or religious education majors with department permission. This course fulfills the requirement for comprehensive exams in theology, pastoral leadership or religious education. Includes the common readings in the general education program for that year. Attendance at convocations required. Theology and religious education majors prepare and present a major seminar paper. In place of that paper, the student in pastoral leadership chooses a pastoral problem, issue, or area of concern; does appropriate academic and field research; and proposes a plan to address the situation/need in cooperation with sponsoring faculty member and parish representative. (FAL)

**THL-499 Independent Study 1.00-3.00**

Guided readings and research.

**THL-500 Pastoral Ministry Experience I 2.00-**

The purpose of the first semester of the ministry experience during the second year of coursework is to provide time for the student and supervisor to determine goals for the semester and collaborate on the development of a ministry project. The student will implement the project in the second semester. In addition this first semester of the ministry experience is to provide opportunities for honing leadership skills and observing best practices for pastoral ministers.

**THL-501 Pastoral Ministry Experience II 2.00-**

The purpose of the second semester during the second year of coursework is to implement and evaluate the ministry project and then write a report. In addition, the student will have other opportunities to engage actively and independently in ministry under the ministry supervisor.

**THL-502 Pastoral Leadership Skills Seminar 1.00-**

Students will be provided reading material on various ways to develop as a transformative leader. Pastoral Ministry practitioners will lead discussions and provide opportunities to hone pastoral skills.

**THL-503 Organization Leadership Skills 1.00-**

Students will be provided reading material on various ways to develop their organization skills necessary for successful pastoral leadership. Experts in various fields, such as business, technology, communication, community organizing will provide information and guidance in developing organization skills.

**THL-520 Discipleship in the Gospels 3.00-**

The course is an introduction to the canonical gospels that examines their genre, literary portraits of the disciples, and theological messages about discipleship.

**THL-530 Foundations of Christian Moral Theology 3.00-**

This course examines the biblical foundations, historical development, and contemporary debates within Christian moral theology. The roles of scripture, natural law, church teaching, theological anthropology, and virtue theory as sources for moral decision making will be considered. Significant attention will be given to conscience, sin, grace, and conversion alongside their pastoral application to matters of sexuality, family, healthcare, and the common good.

**THL-540 Eucharist: Summit and Fount of Christian Life in the Context 3.00-**

This course will explore culture contexts in which pastoral ministry occurs in the 21st century North America. Particular attention will be given to the pastoral needs and spiritual practices of cultures and people generically described as Hispanic, Asian, African, and Refugees. Documents from the U.S.C.C.B. will be utilized as primary sources of study. Opportunities will be scheduled to discuss and engage pastoral issues with individuals who describe themselves as native to these cultures.

**THL-550 Christian Spirituality 3.00-**

This course introduces students to key aspects of the history, theology, and practice of Spirituality in the Christian tradition. Spirituality will be discussed by drawing on resources from Scripture, Christian history, and Christian writings, not only from Roman Catholic, but from Protestant and Eastern orthodox perspectives. Spirituality's role in social and personal transformation, and its role in the development and interpretation of spiritual practices for the minister and the Christian community, will be explored. Special attention will be given to Liturgical Spirituality and Biblical Spirituality, with opportunities to explore specific spiritual traditions, such as Benedictine, Franciscan, Ignatian, etc. as possible spiritual practices in a Pastoral Ministry context.

**THL-570 Ministry in a Multicultural Church 3.00-**

This course will explore culture contexts in which pastoral ministry occurs in the 21st century North America. Particular attention will be given to the pastoral needs and spiritual practices of cultures and people generically described as Hispanic, Asian, African, and Refugees. Documents from the U.S.C.C.B. will be utilized as primary sources of study. Opportunities will be scheduled to discuss and engage pastoral issues with individuals who describe themselves as native to these cultures.

**THL-600 Christian Life Is Trinitarian Life 3.00-**

This course guides students to deepen their understanding of the Trinity so they are more intentional in their witness to Christian life as Trinitarian life. It proposes a critical and constructive reflection on the nature of the Triune God in ways that are relevant and applicable to life in a contemporary society.

**THL-625 The Psalms: Prayer Book of the Bible And the Church 3.00-**

This course explores how each of the five books in Psalms contributes to the whole book's message, examines how Psalms' portrait of God is developed in the New Testament, and traces how Psalms' potential for shaping prayer and righteous living is activated in other books of the Old and New Testaments.

**THL-635 Justice, Peace, and the Integrity of Creation 3.00-**

This course examines a variety of social justice and ecological issues including state-enacted warfare, ethnic and religious conflicts, gender struggles, and environmental conservation. Church documents will be central to a study of these issues, with careful attention to Catholic approaches to peacemaking, reconciliation, and stewardship.

**THL-645 Liturgical Theology and Catechesis 3.00-**

This course examines a method of liturgical theology using the RCIA and select sacramental rites. The course will focus on liturgical theology as content for ongoing evangelization and catechesis. Methods for preparing, celebrating and reflecting (mystagogy) upon sacramental experiences will be considered with an emphasis on the celebrations as a participation in the Paschal Mystery. The liturgical rites provide the foundational content for these catechetical methods.

**THL-670 Church History: Context 3.00-**

This course surveys key developments in Church history from the First Century through the Second Vatican Council, by contextualizing the history of the Church within its social, cultural, and political milieu. Particular attention will be devoted to significant moments in which Christian identity is affirmed, delineated, and divided, particularly through the Ecumenical Councils (e.g., Nicaea, Chalcedon), the Great Schism, the Reformation, the Council of Trent, and the Second Vatican Council. This course will explore the impact of history on the contemporary Church, and introduce students to a critical reading of history which takes into account socio-historical contexts.

**THL-H05 Honors Introduction to Theology 3.00-**

Content of THL-105 is enriched with reading and writing. Limited enrollment to students on the honor's program. This course partially satisfies the general education curriculum standards of faith, ethics, and foundations of thought.

**TLL-610 Systems Thinking 2.00-**

In this course, candidates explore the differences between adaptive "systems" thinking and technical "machine" thinking as a springboard for gaining competencies critical in leadership diagnostic work, and building disciplines of thought and execution essential to the development of a high performing Adaptive Learning Organization.

**TLL-616 Adaptive Leadership 2.00-**

This course explores the powerful nexus between adaptive leadership, understanding self and others, and outstanding organizational performance. As candidates engage in their continued ontological journey toward exercising effective leadership as natural expression of self, this course will help develop understandings and competencies core to the role and responsibility of a professional leader, including competencies critical to building and strengthening relationships, understanding and influencing stakeholders, and engaging people to make progress on difficult adaptive challenges.

**TLL-618 Transformational Leadership 2.00-**

Building on core concepts explored in Foundations of Adaptive Leadership and Systems Thinking, this course provides a platform, structure and individual coaching support for each candidate to fully engage in her/his own transformational journey.

**TLL-623 Community and Family Engagemnt 3.00-**

This course will help leadership candidates understand schools as community institutions and think about young people's growth and education in a broader context. Leaders will deepen their knowledge of families and the broad range of systems that impact human development and impact school success. The course will explore the various factors that influence the achievement gap and efforts to narrow this gap in and outside of schools. The class will study historical and current models to integrate schools with the broad range of supports families need. Candidates will strengthen skills in communication, asset-based mapping and analysis. Along the way, candidates will grow more familiar with the communities they serve and be better prepared to work among the constellation of supports central to the success of

our communities and students.

**TLL-626 Stem and Digital Literacy Learning & Design 3.00-**

Students will study theories of learning and models of curriculum design for a 21st Century education. Using the What Works Clearinghouse and Promising Practices Network, as well as other evidence-based resources, candidates will examine curriculum models that have demonstrated success rates with students, particularly in the areas of STEM and digital literacy.

**TLL-627 School Law and Management 3.00-**

During this course, students will learn foundational elements of school law, particularly as they pertain to special education, student/parent/personnel rights and obligations, contracts, collective bargaining, facilities, safety, and fundraising. In addition, candidates will focus on leadership and management issues related to governance, marketing, scheduling, compensation systems, and project management. During this course candidates will be required to participate in field experiences at each developmental level. (

**TLL-630 Law and Management of Private Schools 3.00-**

While many aspects of management in private schools are not unlike those in the public sector, there are some that are distinctive. In this course, emphasis will be given to private school law, always considering what is “the law” vs. what is right/just by Christian values and how to weigh those aspects for the greater good. These foundational elements will be tied to the purpose of creating a school culture of high achievement for all. Students will also learn about best practices in scheduling, compensation systems, and budgeting/forecasting.

**TLL-632 Statistical Analysis 2.00-**

This course will teach leadership candidates the procedures for conducting research in order to gather effective statistical data. Candidates will be immersed in the language of statistics and learn how to become good consumers of research with the capacity to evaluate the quality of research on school and teacher interventions.

**TLL-635 Research Methods I 1.00-**

**TLL-640 Research Methods 2.00-**

This course is designed to provide leadership students with an introductory knowledge and examples of research methodologies utilized in Educational Studies and the Behavioral Sciences. Basic research concepts, including quantitative and qualitative research, ethics, sampling, objectivity, reliability, validity, and standardization are discussed. Research methods such as questionnaires, descriptive, correlational, experimental, and quasi-experimental studies will also be covered, including an introduction to statistical tests and data analysis. This course focuses on preparing the students to

undertake the research project that will serve as their thesis.

**TLL-643 Program Development and Evaluation 3.00-**

During this course, leadership candidates will be given the fundamental tools, processes and habits of mind that result in successful program evaluation. Students will be introduced to models of evaluation and gain experience in working with stakeholders, developing and implementing evaluation instruments, analyzing data, and compiling an evaluation and strategic action report on actual programs in operation within the community and/or university.

**TLL-647 Conflict Management 3.00-**

Conflict happens. It happens when you are the cause and it happens when you are not the cause. It happens when you are aware and when you are not aware of it. It happens to you and around you. When beings interact, conflict is inevitable. And that's okay. Through this elective course, leadership candidates will investigate conflict in the many worlds in which they function and will get a chance to investigate their own attitudes towards it and responses to it. The course will provide an opportunity to discuss how to analyze conflict using SPITCEROW, recognize the stages of conflict in the conflict spiral, practice conflict resolutions skills, and apply various conflict resolution models to problems.

**TLL-649 Resource Allocation 3.00-**

This course will prepare aspiring leaders to manage the resources available to schools and make thoughtful, principled, research-based decisions about those resources. Aspiring leaders will assess a school's allocation of resources (time, people and money), analyze the alignment between that allocation and the school's goals or mission, and study both the process and outcomes of leaders' decisions when faced with scarce resources. Leaders will study the sources of revenue accessible to both private and public schools and the expenditures common in schools. Through this work, leaders will also develop the financial vocabulary necessary to describe the condition of their organization and provide oversight of a school budget.

**TLL-651 The Culture of High Performing Schools 3.00-**

This course will provide leadership candidates the guidance and instruction through which they will learn to identify the critical attributes of school culture and the factors that shape it. Aspiring leaders will study the strategies school leaders employ to build a common set of norms and behaviors among staff and students and examine the tensions leaders must grapple with along the way.

**TLL-652 Teaching, Learning and Talent Development 3.00-**

Leadership candidates will practice evaluating teachers and model how to conduct critical conversations with teachers regarding their observed effectiveness. Leadership Candidates will learn how to set measurable goals and work with teachers to establish yearly improvement goals. Leadership candidates will learn how to identify, recruit, hire, develop, and retain talented teachers.



**TLL-658 Call and Culture of Catholic Schools 3.00-**

The vocation to minister in a Catholic school is a call to create a culture of living and learning in the school community that is steeped in Gospel values. In this course, students will examine the Vatican and U.S. Bishops' documents that describe this vocation. In addition, they will study the research on highly effective school cultures, and in particular, the research on those aspects of culture that are attributed to making Catholic schools so effective. Candidates will use a Culture Audit Protocol to assess the culture of their local Catholic school and will create an action plan to prioritize the changes needed to move the school to becoming an effective results-driven entity. Candidates will learn how to prioritize their action plan in order to maximize student achievement gains.

**TLL-660 Internship I 2.00-**

The clinical internships are designed to provide leadership candidates with real world experiences in the setting in which they intend to apply the knowledge, skills, and dispositions learned during their first year of coursework. Leadership candidates will accomplish this by shadowing administrators (i.e. principal or assistant principal) to become familiar with the daily duties and responsibilities of school leaders. Leadership candidates are supported for one or two semester semesters by an experienced, transformative leader.

**TLL-661 Internship II 2.00-**

The clinical internships are designed to provide leadership candidates with real world experiences in the setting in which they intend to apply the knowledge, skills, and dispositions learned during their first year of coursework. Leadership candidates will accomplish this by shadowing administrators (i.e. principal or assistant principal) to become familiar with the daily duties and responsibilities of school leaders. Leadership candidates are supported for one or two semester semesters by an experienced, transformative leader.

**TLL-662 Internship I: Leadership in Developing Faith/Spirituality 2.00-**

In this course, candidates will spend some class time examining the basic tenets of the Catholic Church as well as the rationale for those teachings. Special consideration will be given to beliefs that may impact faculty/staff hiring/retention, as well as those that may most likely surface as questions among students. Then, in a Catholic school environment, they will work with the principal or other school leader to explore the impact of these and other teachings on the school. The candidate will also work with the Catholic school leader to explore specific opportunities assisting in development of spirituality in the school community.

**TLL-663 Internship II: Leadership in Developing Faith/Spirituality 2.00-**

The clinical internship is designed to provide leadership candidates with real world experiences in the setting in which they intend to apply the knowledge, skills, and dispositions learned during their first year of coursework. Leadership candidates will accomplish this by shadowing administrators (i.e. principal or assistant principal) in a Catholic school to become familiar with the daily duties and responsibilities of school leaders. Leadership candidates are supported for one or two semester semesters by an experienced, transformative leader, generally one who has had experience in Catholic

schools.

**TLL-675 Leadership for Student Learning 3.00-**

In this course Leadership Candidates will unpack transformational leadership as it relates to school leadership and its impact on student achievement. This includes “deep diving” into change management and leadership, state turnaround and under-performing schools, the decision-making process of a leader and building and sustaining safe and supportive learning environments for both staff and students.

**TLL-680 Special Topics 1.00-3.00**

This course covers particular issues in the field of educational leadership or religious educational leadership generally not contained in other courses. It may also be used to further develop content in other courses. Current and previous special topic course descriptions can be viewed on the Registrar's website - Registration Resources page.

**TLL-681 Leadership Circle Profile 1.00-**

In order to grow our capacity to exercise leadership, it is imperative that we understand how we are showing up in our leadership role. Where am I in my leadership practice? What is the next developmental move that will significantly grow my leadership effectiveness? This course addresses this challenge head on, exploring questions including: How do I show up in the system? Which of my behaviors are productive? Counterproductive? What are my blind spots? Where am I generating dependency rather than capacity? Where and how will I focus my own developmental energy to be most generative for my growth? In this course, this development is explored by leveraging a 360 Degree Feedback process (The Leadership Circle Profile 360 Degree Feedback Tool), combined with Developmental and Somatic Executive Coaching. Graded S/U.

TLL-618 (Required, Previous).

**TLL-685 Directed Elective 3.00-**

Students will have the opportunity to take an elective course to meet their personal career goals and needs. The elective courses will address a wide range of topics and may be structured as regular or self-directed courses that have been approved by the student's faculty advisor. Elective offerings and schedules are adjusted each semester; students should consult with their advisor before choosing all courses.

**TLL-690 Grant Writing/Fundraising 3.00-**

In this course, students will study basic techniques for successful grant writing and fundraising, including researching prospective funding sources, developing a prospectus, and writing a successful proposal. In addition, consideration will be given to the role of fundraising in budgeting practices.

**TLL-692 Mentored Residency I 3.00-**

Mentored Residency I is an intensive clinical residency designed to support and strengthen leadership and performance skills of each leader candidate during their first year as a school leader (assistant

principal/principal). Graded S/U.

**TLL-694 Mentored Residency II 3.00-**

Mentored Residency II is an intensive clinical residency designed to support and strengthen leadership and performance skills of each leader candidate during their first year as a school leader (assistant principal/principal). Graded S/U.

**TLL-696 Thesis 1.00-**

Upon completion of all Masters in Educational Leadership course work, including Research Methods, students will complete their Master's Thesis or Capstone. The Master's Thesis is a final product for the Master's in Educational Leadership and is the culmination of the courses and experiences the student has encountered professionally and within the program. The Thesis is intended to help the students identify a problem to be addressed, develop appropriate research questions, critically evaluate and synthesize previous research surrounding this problem, create a valid research methodology for investigating the problem in their professional environment, analyze the findings of that investigation, and provide conclusions and recommendations based upon that analysis. This course must be completed at Marian University. Students must enroll in this course each semester until their thesis is completed. Graded S/U.

**TLL-697 Capstone 1.00-**

Upon completion of all Masters in Educational Leadership course work, including Research Methods, students will complete their Master's Thesis or Capstone. The Master's Capstone is a final product for the Master's in Educational Leadership and is the culmination of the courses and experiences the student has encountered professionally and within the program. The Capstone is intended to help students identify a weakness in their school, district, or professional setting and address that area with an intervention, implement and collect data on the intervention, and draw reasonable conclusions. Students will be required to apply key concepts from core coursework and provide a research-based rationale for selecting the particular intervention. This course must be completed at Marian University. Students must enroll in this course each semester until their capstone project is completed. Graded S/U.

**TLL-699 Independent Study 1.00-3.00**

This course is designed to provide the student with an opportunity to gain or enhance their educational leadership knowledge and to explore an area of interest related to educational leadership.

**TLL-722 Diversity and Equity in Education 3.00-**

Educators in the 21st Century must be ready to meet the needs of diverse learners and communities. This course will focus on how school systems can more effectively educate students of different racial, cultural, and economic backgrounds, those with special learning needs, and English language learners.

**TLL-732 Financial Management of Educational Agen 3.00-**

This course will address the financial operation and oversight of education agencies and systems. Topics

included will be funding sources, resource allocation, accounting principles, analysis, and reporting.

**TLL-742 The Superintendent 2.00-**

An exploration of the role, duties, and functions of school superintendents. An emphasis on the superintendent's role in building culture, effective communications, and working with boards, community, parents, and staff. The course will also build an understanding of auxiliary services.

**TLL-752 Building Educational Capacity 3.00-**

A look at the role of school system leaders in promoting and supporting educational excellence. Topics include school culture and decision-making related to curriculum, instruction, assessment. Also addressed will be the role of supervision and evaluation in setting and achieving educational goals.

**TLL-760 School System Internship I 2.00-**

Practical experience with the responsibilities of leaders of school corporations, networks, and systems. Interns will attend system events and meetings, interview a variety of system leaders, work on special projects, and reflect on these experiences.

**TLL-762 The Law in Education 2.00-**

An advanced course for understanding the role of state and federal law in educational institutions. Students will research and apply concepts related to the rights and duties of government agencies, educational institutions, staff, parents, and community.

**TLL-860 School System Internship II 2.00-**

Practical experience with the responsibilities of leaders of school corporations, networks, and systems. Interns will attend system events and meetings, interview a variety of system leaders, work on special projects, and reflect on these experiences.

**VNP-100 Public Health and Safety 1.00-**

Student will learn about select zoonotic diseases, occupational hazards and safety issues related to the animal industry. Students will be introduced to numerous agencies and departments that control and mandate public health and safety associated with the animal industry. This course is only offered at the Ancilla College campus.

**VNP-101 Intro to Vet Nursing 2.00-**

Students will examine the role of the veterinary nurse/technician in the workplace. Students will learn about employment opportunities and areas of specialization, as well as related concepts in ethics, professionalism and laws and regulations governing veterinary nurses/technicians. Students will learn medical terminology. Students will learn animal handling and husbandry concepts, basic animal behavior, and human health hazards associated with veterinary medicine. This course is only available to

students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

**VNP-110          Anatomy for Vet Nursing          4.00-**

Students will learn the fundamentals of anatomy of domestic animals, especially the canine and feline, with emphasis on locating and identifying the anatomical regions and landmarks. Introduction to descriptive and topographical terms will be discussed. Students will learn the fundamental techniques involved in anatomic dissection, as well as necropsy procedures. Students will be dissecting preserved and fresh animal specimens during this course. This course is only available for students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

BIO-214 and VNP-100 (Required, Previous).

**VNP-111          Physiology Vet Nursing 2.00-**

Students will learn basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. This course emphasizes the difference between the systems of domestic animals. Aspects of physiology relating to the pathogenesis of certain diseases will also be discussed.

This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

BIO-214 and VNP-100 (Required, Previous).

**VNP-120          Small Animal Nursing          3.00-**

Students will learn about hospital maintenance and disinfection, general patient care, clinical nutrition, medicating animals, exam room techniques, zoonotic diseases, preventative health programs, oncology, reproduction and neonatal care. Human-Animal bond and euthanasia will be discussed, as well as any other topics related to the AVMA essential skills assigned as course content. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

BIO-214 and VNP-100 (Required, Previous).

**VNP-130          Clinical Lab I          2.00-**

This course will consist of clinical skills, laboratory equipment and veterinary nursing procedures. Topics include the care and handling of small animals, animal restraint, physical examinations, specimen collection, medication administration and other clinical nursing skills. Any other topics related to the AVMA essential skills assigned as course content will be included. Students will practice and complete skills using models and live animals where appropriate. Essential Required Skills will be checked off during this course as required for graduation. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

BIO-214 and VNP-100 (Required, Previous).

**VNP-200          Pharmacology Vet Nursing          3.00-**

Students will examine the fundamentals of pharmacology as it relates to the veterinary nurse/technician. This class looks at the effects of different drugs on the animal body and their uses for combating various ailments. Students will learn about drug recognition, labeling and packaging, calculating and measuring appropriate dosages for each animal, and administering, storing and inventorying pharmaceuticals. Students will also study normal and abnormal responses to therapeutic agents. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

VNP-120 and VNP-130 (Required, Previous).

**VNP-210 Clinical Lab Procedures 2.00-**

Students will study laboratory techniques and procedures used in evaluating veterinary clinical samples. This will include hematology, urinalysis, parasitology, cytology, serology, microbiology, blood coagulation, blood biochemistry, and immunological tests, as well as any other topics related to essential AVMA skills assigned to this course. The veterinary nurse/technician's role in sample collection, sample storage and handling and performance of analytic procedures will be emphasized. Skills are developed in the use of laboratory equipment, laboratory safety and quality control. This course is only available for students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

VNP-120 and VNP-130 (Required, Previous).

**VNP-220 Small Animal Nursing II 3.00-**

Students will learn about fluid therapy, transfusion medicine, toxicology, emergency and critical care, and wound care and management. Students will learn about physical therapy, rehabilitation and alternative therapies used in veterinary medicine. Students will learn about basic dentistry and the skills required to complete a canine/feline dental. Students will complete RECOVER BLS and ALS CPR Courses during this class. Other topics related to the AVMA essential skills may also be included in this course. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

VNP-120 and VNP-130 (Required, Previous).

**VNP-225 Large Animal Nursing 3.00-**

Students will learn about handling, care and restraint associated with large animals. Preventative medicine, common medical and surgical procedures, nutritional requirements, veterinary nursing skills, safety and humane issues will be covered, as well as many other topics related to essential AVMA skills assigned to this course. Part of this entire course will meet at an off-campus location. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

VNP-120 and VNP-130 (Required, Previous).

**VNP-230 Clinical Lab II 2.00-**

This course will consist of clinical skills, laboratory equipment and veterinary nursing procedures. Topics include the care and handling of small animals, animal restraint, physical examinations, specimen collection, medication administration and other clinical nursing skills. Any other topics related to the AVMA essential skills assigned as course content will be included. Students will practice and complete skills using models and live animals where appropriate. Essential Required Skills will be checked off during this course as required for graduation. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.

VNP-120 and VNP-130 (Required, Previous).

**VNP-240 Integrations I 1.00-**

An introduction to problem-based learning of the nursing process (patient evaluation, interventions, and desired resolutions) using a case-based approach. This course will integrate foundational knowledge from anatomy, physiology, pharmacology, and veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). This course is only available to students in the Veterinary Nursing Program.

This course is only offered at the Ancilla College campus.  
VNP-120 and VNP-130 (Required, Previous).

**VNP-250          Surgery and Anesthesia          3.00-**

Students will study concepts of surgical nursing and anesthesiology. They will learn the administration and monitoring of anesthesia, analgesia, surgical assisting, record keeping and preparation/maintenance of the surgical room and instruments, as well as other topics related to essential AVMA skills assigned to this course. Student will become familiar with surgical instruments and common surgical procedures performed in small animal medicine. This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.  
VNP-220, 225 and 230 (Required, Previous).

**VNP-255          Lab and Exotics          3.00-**

This course focuses on laboratory and exotic animal husbandry, handling, restraint, and specific problems encountered with laboratory and exotic animals. The students will learn proper feeding and common management practices, including sanitation and disease prevention, in a clinical or zoological setting. The students will also review common diseases of laboratory and exotic animals. This course is designed to provide knowledge and skills required for veterinary nurses/technicians. Students will get an introductory view of animal handling and husbandry concepts, veterinary clinical management topics, nutrition and breeding of lab and exotic animals, as well as any other topics related to the AVMA essential skills assigned to this course. This course is only available for students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.  
VNP-220, 225 and 230 (Required, Previous).

**VNP-260          Diagnostic Imaging          3.00-**

Students will learn the principles and practice of veterinary medical radiology, handling animals for radiologic exams, radiographic exposure and developing techniques, radiation safety, as well as any other topics related to the AVMA essential skills assigned to this course. The use of ultrasound, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), and dental radiography in veterinary medicine will be introduced. This course is only available for students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.  
VNP-220, 225, and 230 (Required, Previous).

**VNP-270          Clinical Lab III          2.00-**

This course will consist of clinical skills, laboratory equipment and veterinary nursing procedures. Topics include the care and handling of small animals, animal restraint, physical examinations, specimen collection, medication administration and other clinical nursing skills. Any other topics related to the AVMA essential skills assigned as course content will be included. Students will practice and complete skills using models and live animals where appropriate. Essential Required Skills will be checked off during this course as required for graduation. This is course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus.  
VPN-220, 225, and 230 (Required, Previous).

**VNP-280          Integrations II          1.00-**

A continuation to problem-based learning of the nursing process using a case-based approach. This course will integrate foundational knowledge from anatomy, physiology, pharmacology, veterinary nursing courses, clinical pathology, microbiology, parasitology, anesthesia and diagnostic imaging. Cases

will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). This course is only available to students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus. VNP-220, 225, and 230 (Required, Previous).

**VNP-298          Externship I      3.00-**

This course consists of a minimum of 120 hours of supervised clinical experience in a full-service veterinary clinic off campus approved by the Program Director. The student will complete an externship notebook including various assignments that will be reviewed with each student prior to their externship. The student must complete an exit interview with the Program Director near the end of each externship. The student must have completed all other courses in the program and completed all required AVMA essential skills prior to going on their externship. This course is only available for students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus. VNP-270 and VNP-280 (Required, Previous).

**VNP-299          Externship II      3.00-**

This course consists of a minimum of 120 hours of supervised clinical experience in a full-service veterinary clinic off campus approved by the Program Director. The student will complete an externship notebook including various assignments that will be reviewed with each student prior to their externship. The student may choose to complete the second externship at the same location as the first. If this is the case, additional assignments will be given to build on the required notebook. The student must complete an exit interview with the Program Director near the end of each externship. The student must have completed all other courses in the program and completed all required AVMA essential skills prior to going on their externship. This course is only available for students in the Veterinary Nursing Program. This course is only offered at the Ancilla College campus. VNP-270 and VNP-280 (Required, Previous).