

INTERPRETING COURSE DESCRIPTIONS

ACC	Accounting	RAD	Radiologic Technology
ARE	Art Education	SDM	Self-Designed Major
ART	Art	SEC	Middle–Secondary Education
ASL	American Sign Language	SOC	Sociology
ATH	Art Therapy	SPA	Spanish
BIO	Biology	SPE	Special Education
BUA	Business Administration	SRM	Sport and Recreation Management
BUS	Business	SWK	Social Work
CHE	Chemistry	TEC	Information Technology
CHH	Community Health and Human Services	THA	Thanatology
CMG	Cultural, Media, and Gender Studies	THE	Theology
COM	Communication		
CYT	Cytotechnology		
CRJ	Criminal Justice		
DMS	Diagnostic Medical Sonography		
ECE	Early Childhood–Elementary Education		
ECO	Economics		
EDR	Religious Education		
EDU	Professional Education		
EME	Elementary–Middle Education		
ENG	English		
ESS	Exercise and Sport Science		
FIN	Finance		
FLA	Foreign Language		
FLE	Foreign Language Education		
FOS	Forensic Science		
FRE	French		
GEN	General Education		
GEO	Geography		
HCA	Health Care Administration		
HIS	History		
HOS	Homeland Security		
HSL	Homeland Security Leadership		
IDS	Interdisciplinary Studies		
INS	International Studies		
JPN	Japanese		
LDR	Leadership		
MAT	Mathematics		
MGT	Management		
MKT	Marketing		
MSC	Military Science		
MTE	Mathematics Education		
MUS	Music		
NRS	Nursing		
NUR	Nursing		
PHI	Philosophy		
PHS	Physical Science		
POS	Political Science		
PSY	Psychology		

COURSE LEVELS**001–009**

Undergraduate Pre-college level; do not fulfill degree requirements

010–299

Undergraduate Lower level; recommended for freshmen and sophomores

300–499

Undergraduate Upper level; recommended for juniors and seniors

500–999

Graduate courses

SCHEDULE OF COURSE OFFERINGS

Prior to registration, the Office of the Registrar publishes the schedule of course offerings. This schedule lists the courses offered during the upcoming semester, as well as any new or special courses that may not appear in this bulletin. The most current schedule is available online at <https://selfservice.marianuniversity.edu/SelfService/Search/SectionSearch.aspx>.

DUAL-LEVEL COURSES

Dual-level courses are courses within a department that are offered at both the undergraduate and graduate level with the same course descriptions and the same title; however, the level of expectation for both quantity and quality of work performed for graduate credit is greater than that for undergraduate credit. Each dual-level course has both numbers listed (i.e. HIS 405/505).

ACC ACCOUNTING**ACC 201 Financial Accounting**

3 credits

The purpose of this course is to introduce the student to generally-accepted accounting principles, basic accounting systems, accounting theory, and financial statements.

ACC 225 Volunteer Income Tax Assistance

0–3 credits

The Volunteer Income Tax Assistance (VITA) program is designed for those students that want to improve their communication skills, learn a valuable skill for life and help our community in the process. Students will receive IRS certification by passing a series of online classes and classroom training preparing them to be able to assist in the preparation of taxes for those in need. VITA is a national program that will assist our students in gaining experience while giving back to the community in which they live. (repeatable for credit)

ACC 230 Using Peachtree Software

1 credit

This course allows our students and members of the community to participate in a class that allows the development of accounting and software skills using the Peachtree accounting software package. Not only will students gain the experience and confidence to perform day-to-day operational tasks, they will understand the accounting concepts behind the activities they do. Furthermore, appropriate computer system security and back-up considerations will be reviewed.

ACC 231 Using QuickBooks Software

1 credit

This course allows our students and members of the community to participate in a class that allows the development of accounting and software skills using the QuickBooks accounting software package. Not only will students gain the experience and confidence to perform day-to-day operational tasks, they will understand the accounting concepts behind the activities they do. Furthermore, appropriate computer system security and back-up considerations will be reviewed.

ACC 232 Using Great Plains Software

1 credit

This course allows our students and members of the community to participate in a class that allows the development of accounting and software skills using the Great Plains accounting software package. Not only will students gain the experience and confidence to perform day-to-day operational tasks, they will understand the accounting concepts behind the activities they do. Furthermore, appropriate computer system security and back-up considerations will be reviewed.

ACC 306 Managerial Accounting

3 credits

Prerequisites: ACC 201, MAT 100 or MAT 105 or MAT 111 or MAT 122 or BUA 210 or MAT 130

A continuation of ACC 201 with concentration on corporate financial statements and the basics of managerial cost accounting.

Applications are designed to provide exposure to analysis and interpretation of accounting data for managerial planning, control, and decision-making.

ACC 308 Accounting Software

3 credits

This course offers students the opportunity to apply accounting theory to practice and gain an exposure to computerized accounting. Students learn how to open a new company, record accounting transactions, make adjusting entries and create financial statements on customized formats. Students also learn how to perform such day-to-day tasks as creating purchase orders, issuing invoices, receiving and recording inventory, setting prices, recording sales, collecting receivables, issuing debit or credit memos, doing bank reconciliations, and preparing employee payroll. Students will also learn about system settings for audit trails, password protection, importing and exporting with Microsoft Excel, budgeting, and backups.

ACC 310 Intermediate Financial Accounting I

3 credits

Prerequisite: ACC 201

Builds on the theory and skills introduced in ACC 201 Financial Accounting. Emphasis is on accounting transactions through financial statement construction, valuation and measurement of cash, receivables, inventories, plant and equipment, intangibles, investments, and liabilities. Communication skills, as they apply to the accounting profession, are stressed.

ACC 311 Intermediate Financial Accounting II

3 credits

Prerequisite: ACC 310

An extension of the theory and application of generally-accepted accounting principles with emphasis on accounting for contributed capital, retained earnings, investments, income taxes, pensions, leases, and accounting changes. Revenue recognition and cash flows are also discussed. Application of the generally accepted accounting principles in different areas is emphasized throughout the course.

ACC 312 Advanced Accounting

3 credits

Prerequisite: ACC 311

A study of accounting for business combinations, partnerships, and governmental fund accounting. Extensive coverage of purchase method, intercompany transactions, and consolidated financial statements. Also includes governmental fund accounting.

ACC 331 Income Tax I

3 credits

Prerequisite: ACC 306 or ACC 310

A study of federal income taxes as they apply to individuals with emphasis on determination of gross income, adjusted gross income, deductions, exemptions, and taxes due. Students are required to complete comprehensive individual income tax returns.

ACC 332 Income Tax II

3 credits

Prerequisite: ACC 331

A continuation of ACC 331 dealing with the taxation of corporations and partnerships. Topics include determination of taxable income, transfers to corporations, corporate distributions, and S corporations. Students are required to complete comprehensive corporate and partnership income tax return problems. Service learning through the Volunteer Income Tax Assistance (VITA) Program is integrated throughout the course.

ACC 397 Accounting Internship

0.5 credits

Prerequisites: BUA 203, ACC 201, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

ACC 404 Special Topics

1–3 credits

A course in which selected topics in accounting are presented. Topics offered are at the department's discretion and vary from offering to offering.

ACC 414 Independent Study

1–3 credits

Prerequisite: Permission

Intensive independent study of a chosen subject. Students are expected to read a substantial number of major works in the field and to prepare a critically documented paper.

ACC 422 Auditing

3 credits

Prerequisite: ACC 311

(Senior standing preferred)

A course covering the philosophy, concepts, and techniques used by independent and internal auditors. Professional ethics and legal relationships, the study and evaluation of internal control, audit program applications, statistical sampling, EDP auditing, and

reporting obligations are included in the course. Integrated material provides application of the theory studied in the course. Focus is placed on the analysis and interpretation of data, events, and theory using collaborative learning techniques. Oral and written communication skills are emphasized.

ACC 431 Advanced Cost Accounting

3 credits

Prerequisite: ACC 306

An advanced study of cost accounting systems in both an industrial and service environment. Topics discussed in detail include job order and process costing, standard costs, variance analysis, and activity-based costing. The relationship of budgeting to profit planning and business control is studied and applied.

ACC 497 Accounting Internship

1–3 credits

Prerequisites: BUA 203, ACC 201, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

ARE ART EDUCATION

ARE 311 Art Curriculum and Methods in Early Childhood and Elementary/Middle Schools

3 credits

Prerequisites: ART 201, EDU 202

An opportunity to apply learning theories to the aesthetic dimension of education. The Art Education major approaches art, culture, and the environment as catalysts for teaching, understands art concepts, and discovers a variety of art processes to make possible meaningful art experiences for sequential levels of learning within the PK–elementary framework.

ARE 312 Curriculum and Instruction in Art Education: PK–12

3 credits

Prerequisite: ARE 311

An examination of the goals and objectives of the art curriculum as it relates to the goals and objectives of education and the development of the child from the holistic point of view. Students investigate theories of curriculum as found in current professional resources and research projects, plan teaching strategies using current methods recommended for the teaching of art, and evaluate this area according to specific assessment tools. This course continues the building of meaningful art experiences begun in ARE 311, focusing on middle–secondary levels of learning. Management techniques for administering and budgeting will accompany the construction of a K–12 curriculum.

ARE 400 Clinical Practice and Seminar - Art Education - PK–5

1–6 credits

Prerequisite: ARE 312

A supervised experience teaching art that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication, and classroom management.

ARE 450 Clinical Practice and Seminar - Art Education - Middle–Secondary 5–12

1–6 credits

Prerequisite: ARE 312

A supervised experience that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication, and classroom management.

ART ART

ART 010, 020, 030, 040 Art Exhibition Attendance

0 credits

A requirement featuring exhibition attendance as fulfillment of an art major requirement. Students must attend and show evidence of at least one art exhibition per year as a pre-art or art major. (CR/NC grade only.)

ART 101 Art Fundamentals

3 credits

An introduction to fundamental art concepts and techniques, including an overview of art history. The course provides basic studio experiences in drawing, painting, and other media, and serves as a prerequisite for additional art electives.

ART 102 Introduction to Art Concepts

3 credits

A course in which non-art majors will be introduced to an understanding and appreciation of art forms. They learn to describe, analyze, interpret, and use evaluative criteria when observing these art forms. It is not intended for education majors.

ART 103 Art Foundation for Educators

3 credits

A basic course developing an art foundation for educators. The art experiences will address necessary objectives for the development of cogent teaching practice including sensory and perceptual awareness, recognition and use of fundamental art concepts, implementation of the creative process, formation or enrichment of art techniques and skills and encouragement for a more profound respect and recognition of the visual arts. This is a required art course for all early childhood–elementary and elementary–middle education majors, and a recommended art core course for other education majors with the exception of art education.

ART 111 Basic Drawing

3 credits

A development of the concepts of awareness and perception of form in nature, in the drawings of major artists, in one's personal life experience and in that coming from diverse cultures. Both a disciplined set of skills and imagination are emphasized. Students use basic drawing tools and materials to apply knowledge of composition with line, value, texture, space relationships, perspective, and the emotional quality of drawing. A studio-intensive course in drawing that will focus on awareness and perception of forms in nature and developing skills needed to render such forms on paper. This is a required course for all art majors. Previous art experience is recommended.

ART 201 Design

3 credits

A study of design theory, its evolution, and the elements and principles of design. To apply the theory, students create two-dimensional designs in a variety of media. Fundamental visual communication methods are studied and applied. This is a required course for all art majors, and a preferred art core course for communication majors. Previous art experience is recommended.

ART 202 Basic Painting

3 credits

Prerequisite: ART 101 or ART 103 or ART 111 or ART 201

An introduction to basic painting concepts through varied media: pastels, watercolors, oils, and/or acrylics. Students examine techniques, color theory, composition, and the application of these by the masters. They will explore a variety of approaches to painting and use a creative process in expressing ideas in paint.

ART 203 Introduction to Graphic Arts

3 credits

This studio course develops core concepts and skills in graphic design, technology, and file management while engaging in projects that utilize industry-standard computer applications. Students will focus on compositions that integrate text and image into vehicles of effective communication. The course will examine the role of the computer in art and graphic design, and foster insights into design theory. This is a required course for all art majors, and a preferred art core course for communication majors. Previous art experience is recommended.

ART 204 Special Topics

1–3 credits

A specialized area of art study reflecting advanced approaches to a project or research. Approval of instructor required.

ART 205 Digital Imaging

3 credits

Prerequisite: ART 203

An advanced course focusing on the use of the computer as a tool for creating images and graphics. Provides a basic understanding and use of electronic still cameras, image scanners, and image processing computer software. Students will learn to use input and output devices to capture, manipulate, and transmit photographic images. The class will have hands-on work sessions and sustained imaging projects using Adobe Photoshop. A concise review of the role of computer as a graphic imaging tool and the ethics of image manipulation will also be included.

ART 206 Scientific Illustration

3 credits

(Also BIO 206)

This course will help students develop an ability to produce effective illustrations of scientific subject matter for science classes, displays, learning centers, slide lectures, publications, advertisements or other uses. The student also will gain an understanding of the differences between illustration and art, and of the importance of illustration as a form of communication. The students will increase their observational ability and will learn basic techniques of drawing in pen and ink, pencil and scratchboard, and will be introduced to airbrush.

ART 207 Computer Illustration

3 credits

Prerequisite: ART 203

A course exploring the use of the computer in drawing and illustration. Students will learn the basic techniques of computer-aided rendering, layout, and design. The history of traditional illustration and design, and its relationship to digital techniques, will be examined.

ART 211 Basic Sculpture

2–3 credits

Prerequisite: ART 101 or ART 103 or ART 201

A studio course exploring three-dimensional form in space and its history. Students first develop awareness of such forms in space, and then perceptual and technical skills in bringing together ideas and materials in three-dimensional form.

ART 212 Basic Ceramics

2–3 credits

Prerequisite: ART 101 or ART 103 or ART 201

A studio course exploring the medium of clay and its history. Students learn the methods of constructing three-dimensional forms in clay through hand-building techniques, as well as decorating and glazing their forms. Wheel-throwing techniques are presented for those wishing to experiment, but are not required.

ART 221 Calligraphy and Composition

2–3 credits

The development of calligraphic skills for personal or practical use. Students gradually build a repertoire of lettering styles, using a variety of tools. These styles are then used in designed layout work for presentation to a commercial printer and/or for completed calligraphic art forms in themselves.

ART 222 Intermediate Drawing I

3 credits

Prerequisite: ART 111

A course building on basic drawing skills in working with advanced problems in drawing plant, animal, and human life forms. Development of skill in self-expression with life forms is attained through exercises that include gesture, contour, structure, and perspective drawings, as well as general anatomy studies.

ART 230 Survey of Art History I

3 credits

A survey of art history beginning with cave art and moving to the Renaissance. When taken with ART 240 Survey of Art History II, these two courses provide a chronological treatment of world art. Respect for and appreciation of the aesthetic expressions of

various cultures develop as students learn about major movements, artists and works through a variety of analytical, interpretive, and evaluative approaches.

ART 231 The Ancient World

1 credit

A survey of art forms from the birth of art up to the Roman types. This course includes the sequence of cave art, ancient Near East, Egypt, Aegean, Greek, and Roman.

ART 232 Post-Roman to Middle Ages

1 credit

A survey of art forms from the early Christian contributions up to the Gothic styles. Sequence includes early Christian, Byzantine, Islamic, early Medieval, Romanesque, and Gothic.

ART 233 Non-European World

1 credit

A survey of art forms from the Orient, Africa, South Pacific, and Native Americas. Sequence includes India, China, Japan, Native Americas, Africa, and the South Pacific.

ART 235 Women Artists Through History

3 credits

An introduction to the accomplishments of women artists throughout history, contributions that are often overlooked in mainstream art history books. The course will survey the entire history of art and will cover female artists who have made a unique, significant contribution to the visual arts.

ART 236 Contemporary Art History

1–3 credits

A study of the history of contemporary art since World War II. The course begins with an overview of modern art and questions the definitions of art, modernity, and self-expression. Students will learn about the earliest contemporary art, such as Abstract Expressionism and Pop, and then rapidly move through the wide variety of movements and theories that replaced them. The course will question the theoretical basis of contemporary art and examine current issues of our post-modern artistic period.

ART 237 American Art History

3 credits

This course is a survey of American art that examines those works and artists that represent the major aspects, trends, qualities, and attitudes revealed in the development of American architecture, painting, sculpture and some other arts from early colonial times to the present, and that suggest the continuing variety of American art. To these ends, the course also will include the art of Native Americans and art that demonstrates America's cultural diversity.

ART 240 Survey of Art History II

3 credits

A survey of art history beginning with the Renaissance and moving to 1945. When taken with ART 230 Survey of Art History I, these two courses provide a chronological treatment of world art. Respect for and appreciation of the aesthetic expressions of various cultures develop as students learn about major movements, artists, and works through a variety of analytical, interpretive, and evaluative approaches.

ART 241 Renaissance

1 credit

A survey of art forms from Italian sources as well as those outside Italy. This course sequence includes the "Proto" Renaissance in Italy and the 15th century and 16th century.

ART 242 Baroque/Rococo/Romanticism/Realism

1 credit

A survey of art forms from the types listed in the course name. The sequence includes the Baroque, Rococo, Romantic Ages, and Realism.

ART 243 Twentieth Century to 1945

1 credit

A survey of modern art that includes Impressionism, Post-Impressionism, the Fauves, Expressionism, Dada, Surrealism, Art Nouveau, and the International Style.

ART 255 Bookmaking

3 credits

Prerequisite: ART 101 or ART 201 or ART 203 or ATH 201

An introduction to hand crafted books and the observation of these books as art. Fundamental book making skills, including design, layout, and construction methods are covered.

ART 260 Basic Metals

2–3 credits

Prerequisite: ART 111 or ART 201

A studio course exploring the techniques of the various processes of making art metal forms and their history. Students learn the methods of constructing original three-dimensional forms using various metal alloys, found objects, and textural applications.

ART 300 Printmaking

3 credits

Prerequisite: ART 101 or ART 103 or ART 111 or ART 201

A studio course exploring the preparation of a variety of plates from which visual compositions are hand-printed in multiple. Students work with a creative process in designing and completing limited edition art prints. They also focus on artist printmakers and the historic contributions of printmaking as an art form.

ART 302 Intermediate Painting I

3 credits

Prerequisite: ART 202

A course building on basic painting skills, enabling students to develop their ability to paint ideas. Students use the media or painting techniques appropriate to the concrete expression of the idea. Research and focus is placed on modern and contemporary world painters.

ART 303 Life Drawing

3 credits

Prerequisite: ART 111

An advanced drawing class focusing on figure drawing and construction, stressing anatomy and form. The study of anatomy will be part of the basis for understanding the human figure. The class will have sustained drawing projects. A concise review of the role of figure study from a historical perspective will also be included.

ART 305 Introduction to Photography

3 credits

Prerequisite: ART 101 or ART 103 or ART 111 or ART 201

A course building on visual literacy and composition, focusing on the understanding and use of the camera in photography and filmmaking. A brief history of photography is also included.

ART 311 Intermediate Sculpture I

3 credits

Prerequisite: ART 211

An application of the design process to complex form. Choosing one or two of the directions introduced in basic sculpture, the advanced student develops concepts to a greater degree of study and experimentation.

ART 312 Intermediate Ceramics

3 credits

Prerequisite: ART 212

The pursuit of advanced problems of hand-building methods and the development of wheel-throwing skills.

ART 321 Intermediate Sculpture II

3 credits

Prerequisite: ART 311

An intense investigation and exploration of skills and techniques involving the creative process in sculpture. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 330 Art History Practicum

2 credits

Prerequisite: ART 230 or ART 240

A practical experience in archival research and art conservation. Students will work with the university's permanent collection. Examples of the practical applications include researching, cataloging, studying issues of conservation and presentation, and writing commentaries about works in Marian's collection. This requirement may be met by a co-op or internship at a suitable gallery, museum, or historical society.

ART 333 Intermediate Drawing II

3 credits

Prerequisite: ART 222

An intense investigation and exploration of skills and techniques involving the creative process in drawing. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 340 Web Design

3 credits

Prerequisite: ART 205 or ART 207

This course will focus on advanced communication design projects involving web development and multimedia authoring. It will introduce HTML code and HTML design applications used in the graphic arts. Insights will be gained into nonlinear design and animated graphics.

ART 350 Intermediate Printmaking

3 credits

Prerequisite: ART 250

An intense investigation and exploration of skills and techniques involving the creative process in printmaking. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 351 Collagraph

3 credits

The application of "collage" to the printmaking process. A build-up of a surface, having textural interest, is inked. The inked "plate" is then placed on paper and transferred to produce the desired print.

ART 352 Relief

3 credits

The production of visual images through the preparation of the surface of a block of linoleum and/or wood. Students work with a variety of printing media in producing images that express their ideas. Artists of linoleum and woodcut relief print forms are studied.

ART 353 Serigraph

3 credits

The creation of polychromatic prints through the various silkscreen stencil processes: crayon, tusche and glue, and film and emulsion. Techniques, formal elements and principles, and cultural influences in the medium are combined to form a foundation for the expression of ideas.

ART 360 Advanced Metals

3 credits

Prerequisite: ART 260

The pursuit of advanced problems in art metals and enameling will lead to the production of original pieces by the students.

ART 362 Intermediate Painting II

3 credits

Prerequisite: ART 302

An intense investigation and exploration of skills and techniques involving the creative process in painting. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 370 Fiber Arts: Stitchery

3 credits

Emphasis on stitching techniques.

ART 371 Fiber Arts: Weaving

3 credits

Emphasis on loom weaving, spinning, felting and various hand techniques.

ART 372 Fiber Arts: Puppetry

3 credits

Emphasis on experience in making different types of puppets.

ART 373 Fiber Arts: Dye Applications

3 credits

Emphasis on different resist and printing processes.

ART 374 Fiber Arts: Leather

3 credits

Emphasis on leather working procedures.

ART 397 Internship

1–3 credits

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

ART 400 Senior Seminar in Art

3 credits

This class is intended for an Art or Art Education major's final semester. All courses should either be completed or concurrently taken with this course. This course culminates in a public show, through which the studio Art or Art Education major demonstrates acquired technical skills in a final art project and defends an integrated philosophy of art. The Art Education major's project focuses on the creative process in the teaching of art.

ART 401 Advanced Design

3 credits

Prerequisite: ART 201 or ART 205 or ART 207

An intense investigation and exploration of skills and techniques involving the creative process in design. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 404 Special Topics

3 credits

A specialized area of art study reflecting advanced approaches to a project or research limited to art majors or minors.

ART 411 Advanced Sculpture I

3 credits

Prerequisite: ART 321

An intense investigation and exploration of skills and techniques involving the creative process in sculpture. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 412 Advanced Ceramics I

3 credits

Prerequisite: ART 312

An intense investigation and exploration of skills and techniques involving the creative process in ceramics. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 413 Advanced Ceramics II

3 credits

Prerequisite: ART 412

An intense investigation and exploration of skills and techniques involving the creative process in ceramics. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

ART 421 Advanced Sculpture II

3 credits

Prerequisite: ART 411

An intense investigation and exploration of skills and techniques involving the creative process in sculpture. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 424 Advanced Fibers

3 credits

Prerequisite: ART 370, ART 371 and ART 372

An intense investigation and exploration of skills and techniques involving the creative process in fibers. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 430 Senior Seminar in Art History

2 credits

A seminar that will include peer teaching and that will culminate in independent research and paper presentations. Topics will vary, but they might include the following: women artists, religious art, contemporary issues, recurring subjects and themes, art as propaganda, theories of art criticism, and feminist art theory.

ART 441 Advanced Printmaking I

3 credits

Prerequisite: ART 350

An intense investigation and exploration of skills and techniques involving the creative process in printmaking. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 442 Advanced Printmaking II

3 credits

Prerequisite: ART 441

An intense investigation and exploration of skills and techniques involving the creative process in printmaking. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 444 Advanced Drawing I

3 credits

Prerequisite: ART 333

An intense investigation and exploration of skills and techniques involving the creative process in drawing. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 445 Advanced Drawing II

3 credits

Prerequisite: ART 444

An intense investigation and exploration of skills and techniques involving the creative process in drawing. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 461 Advanced Painting I

3 credits

Prerequisite: ART 362

An intense investigation and exploration of skills and techniques involving the creative process in painting. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 462 Advanced Painting II

3 credits

Prerequisite: ART 461

An intense investigation and exploration of skills and techniques involving the creative process in painting. Learning instruments including research, application, discussion, criticism, and reflection culminate in a course portfolio.

ART 497 Internship

1–3 credits

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

ASL AMERICAN SIGN LANGUAGE**ASL 101 American Sign Language I**

3 credits

An introduction to deaf culture and basic vocabulary, syntax, fingerspelling, gestural skills, and non-manual grammatical signs of American Sign Language (ASL). Development of gestural skills as a foundation for ASL communication and an appreciation for the Deaf community.

ASL 102 American Sign Language II

3 credits

Prerequisite: ASL 101

A continuation of basic skill development offered in Elementary American Sign Language I (ASL). Focus on expanding ASL vocabulary and sign fluency and development of more complex communicative skills needed to respond to signs produced by another signer.

ATH ART THERAPY**ATH 201 Introduction to Expressive and Therapeutic Arts**

3 credits

Through a variety of readings, research, art activities, discussion, and creative journaling, students will experience the fundamental processes of the expressive and therapeutic arts. An emphasis on self-study will aid students in exploring personal goals, expectations, and career choices regarding application of these processes to fields of art, health care, social services, elder care, education, and business.

ATH 204 Special Topics in Expressive and Therapeutic Arts

1–3 credits

This course provides opportunity to explore a specialized area of study in art therapy that may not be reflected in other art therapy courses.

ATH 250 Therapeutic Arts in Service-Learning

3 credits

Prerequisite: ATH 201

Service-learning is a credit-bearing educational experience in which students participate in an organized service activity that meets identified community needs and reflects upon the service activity in order to gain a fuller understanding of the course content. Through the service-learning experience the expressive art student acquires a broader appreciation of the application of the arts and their therapeutic value both for themselves and a designated population from the greater community. Service-learning draws upon a partnership with a community organization allowing the student to experience a collaborative "hands on" application of course objectives in a practical setting.

ATH 301 Therapeutic Skills and Lab

4 credits

Prerequisite: ATH 201

Continuation of directed self-study process, this class fosters development of professional helping skills through observation, participation, and research. Lab time permits students to design hands-on arts projects related to academic study. Attention is given to exploring and creating components comprising safe therapeutic environments supportive of emotional, physical, spiritual, and cultural aspects of clients.

ATH 305 Techniques in Creative Process

3 credits

Prerequisite: ATH 201, ATH 301

This course provides a continuation of the directed self-study process and builds a strong foundation for self-awareness and professional helping skills. Through exploration of a variety of expressive mediums, students will learn to observe, reflect, share, and evaluate their creative experiences. Skill will be developed in creating safe, therapeutic environments, supportive of emotional, physical, spiritual, and cultural aspects of well-being for self and others.

ATH 311 Art Curriculum and Methods in Early Childhood and Elementary/Middle Schools

2 credits

This course provides an opportunity for aspiring art therapists to synthesize their studies with art education. Students will apply learning theories to the aesthetic dimension of education focusing on approaches to art, culture and the environment as catalysts for teaching. Majors will use art concepts and processes to make possible meaningful art experiences for sequential levels of learning within the K–elementary framework of school systems.

ATH 315 Fieldwork I and Seminar

3 credits

Prerequisite: Permission

This course provides fieldwork opportunities in approved community agencies, hospitals, schools, and long-term care facilities. The course entails weekly attendance in discussion and processing held on campus in addition to the fieldwork placement. Observation techniques and development of a professional portfolio will be a focus.

ATH 325 Fieldwork II and Seminar

3 credits

Prerequisite: ATH 315

This course provides a continuation of ATH 315. The student participates in other fieldwork settings to gain more experience. Along with weekly attendance on campus for discussion and processing, the student will develop planning and evaluative techniques, prepare a professional resume, and continue development of the portfolio.

ATH 350 Fieldwork III and Seminar

3 credits

Prerequisite: ATH 325

Building on the experiences acquired through ATH 315 and ATH 415, the student further broadens experience with client populations. Seminars will address professional topics; provide opportunities to refine acquired skills; discuss ethics, communication, client care, case or program management; and continue development of the portfolio.

ATH 397 Internship in Expressive and Therapeutic Arts

1–3 credits

(Expressive and Therapeutic Arts majors only)

These courses are used in addition to the art therapy fieldwork when students desire more experiences beyond program requirements and are set up with the advising professor and internship staff member. The courses are a learning approach that integrates college studies with volunteer or paid experience that is directly related to art therapy.

ATH 400 Senior Seminar in Expressive and Therapeutic Arts

3 credits

(Expressive and Therapeutic Arts major only)

This is a capstone course that provides direction for students as they integrate classroom learning with practice. Students will reflect and demonstrate personal growth gained throughout their college career via presentation of a personal philosophy, conclusion of a portfolio and other preparation for professional employment, and production of a community arts project.

ATH 404 Special Topics in Expressive and Therapeutic Arts

1–3 credits

This course provides opportunity to explore advanced levels of a specialized area of study in art therapy that may not be reflected in other art therapy courses.

ATH 410 Program Design and Grant Writing

3 credits

Prerequisites: ATH 315, ATH 325

Due to the fact that expressive and therapeutic arts are still quite new to professional therapeutic settings, practitioners often need to educate possible employers and develop their own programs. As a foundation for these entrepreneurial skills, students will explore a wide range of literature in the field of expressive and therapeutic arts, create an extensive resource bibliography and demonstrate skill in the basics of grant writing.

ATH 497 Internship in Expressive and Therapeutic Arts

1–3 credits

(Expressive and Therapeutic Arts major only)

These courses are used in addition to the art therapy fieldwork when students desire more experiences beyond program requirements and are set up with the advising professor and internship staff member. The courses are a learning approach that integrates college studies with volunteer or paid experience that is directly related to art therapy.

BIO BIOLOGY

BIO 010 Biology Seminar I

0 credits

Research seminars, reviews of professional biology literature, and research proposals presented by biology majors, faculty members, and/or guest speakers. (“0” credit receives CR/NC grade.)

BIO 100 Life Systems

3 credits

An introductory biology course for non-majors. The relationship between structure and function is emphasized at the cellular and organismic levels. A survey of taxonomy and classification, cell biology, plant biology, human physiology, and ecology is provided. (May be taken as “lecture only” or concurrently with BIO 150).

BIO 101 Biological Principles I

4 credits

(Required for Biology majors and minors)

A lecture–laboratory course for science majors stressing the nature of science and scientific methodology. Basic ecological concepts and human impact on the environment are studied. The chemistry of life, the cellular basis of life, genetics, energy relationships, and metabolism are presented. Both the classical aspects and the areas of recent research are included.

BIO 102 Biological Principles II

4 credits

Prerequisite: BIO 101

A continuation of BIO 101. Major topics covered include plant and animal biology. Structural and functional relationships are stressed. Major structures, adaptations, and evolution of Monera, Protista, and Animal kingdoms are surveyed. Current areas of research are included. Dissection of representative organisms including the fetal pig is required.

BIO 104 Environmental Science and Lab

4 credits

A study of the organization of ecosystems and human use of natural resources, including problems and opportunities generated by human interaction with the environment. Basic ecological principles are applied to current environmental issues and topics.

Environmental case studies and current environmental literature are employed. Laboratory activities include field trips, simulations, and other activities designed to enhance lecture topics.

BIO 105 Biology in Society

4 credits

(This course does not satisfy prerequisite requirements for any other natural science courses.)

The course will use current events and scientific technologies, identified by the class, to illustrate the impacts of biological science in U.S. and global society. These topics will serve as vehicles to illuminate science philosophy, history, reasoning, and techniques and to emphasize the importance of science literacy to citizens in a technologically rich democracy. Several laboratory projects will be conducted and reported in different styles with different goals and hypothetical audiences (popular press, professional article, oral news report, platform presentation).

BIO 110 Prairie Ecosystems and Restoration – Fall

2 credits

This course is a service-learning intensive biology course where students learn about the ecology of prairies, the importance of prairie ecosystems, and techniques to preserve and restore prairies. The course will be a hybrid course where much of the content will be delivered in an on-line format with one-day-a-week meetings to participate in field trips and stewardship projects. Due to the service learning and environmental aspects of the course, students must be able and willing to perform light labor (on the level of gardening) and a moderate amount of hiking, and be able to attend an extended field trip once during the semester. The 4-credit laboratory science requirement under general education is fulfilled by taking this class and its complementary spring offering, BIO 112.

BIO 111 Ecology and the Environment

3 credits

(AGS students only)

This course is designed to help students understand the interrelationships among biological and physical components of human ecosystems, including human impacts on the environment. Major environmental problems and responses to them by business and society are explored. The complexity of environmental issues and the relationship of ecological principles to environmental problems and solutions are stressed. Case studies demonstrate both environmental disasters and successful or ethical approaches to problems on the part of business.

BIO 112 Prairie Ecosystems and Restoration – Spring

2 credits

This course is a service-learning intensive biology course where students learn about the ecology of prairies, the importance of prairie ecosystems, and techniques to preserve and restore prairies. The course will be a hybrid course where much of the content will be delivered in an on-line format with one-day-a-week meetings to participate in field trips and stewardship projects. Due to the service learning and environmental aspects of the course, students must be able and willing to perform light labor (on the level of gardening) and a moderate amount of hiking, and be able to attend an extended field trip once during the semester. The 4-credit laboratory science requirement under general education is fulfilled by taking this class and its complementary fall offering, BIO 110.

BIO 114 Environmental Stewardship

4 credits

This course is a service-learning intensive biology course where students learn about environmental stewardship through participation in the maintenance and restoration of local ecosystems, for example, stream monitoring and removal of invasive species. Through hands-on projects and selections of readings, the student will develop an understanding and appreciation for environmental stewardship. The course fulfills the one-credit laboratory requirement under general education. The course will be a hybrid course where much of the content will be delivered in an online format with one-day-a-week meetings to participate in field trips and stewardship projects. Due to the service learning and environmental aspects of the course, students must be able and willing to perform light labor (on the level of gardening) and a moderate amount of hiking. Students will be required to provide their own transportation to nearby locations; carpooling and cost sharing will be encouraged under Marian University's policy on approved drivers for field trips.

BIO 116 Wisconsin Natural Areas

3 credits

Wisconsin Natural Areas explores wild and tame lands in "this place we call Wisconsin." During the Pleistocene epoch, a continental glacier sculpted and modified the land, sans southwestern Wisconsin's Driftless Area. This most recent Ice Age produced regional

landscapes with contrasting ecoregions that underpin the state's natural areas. Among the topics to be examined are ecological landscapes, Public Land Survey System, WDNR State Natural Areas Program, land ethics, ecosystem services, invasive species, natural areas restoration, and Wisconsin natural communities.

BIO 150 Life Systems Laboratory

1 credit

Laboratory to accompany BIO 100.

Topics correspond to lecture material, including taxonomy, cell biology, plant biology, human physiology, and ecology. Dissection of a fetal pig is required. Laboratory experiences strongly enhance and support material in BIO 100 and concurrent registration is recommended.

BIO 201 Anatomy and Physiology I

4 credits

Prerequisites: BIO 100 or BIO 102; CHE 101 or CHE 103 or CHE 104

An in-depth study of the structure and function of human organ systems and the relationships among physiologic systems at the cellular, tissue, organ, and system levels. A comprehensive understanding of how each system aids in the maintenance of homeostasis is stressed in the study of cellular structure and physiology, the integumentary, skeletal, muscular, and nervous systems. A strong background in biology and basic knowledge of physiological systems is assumed. Human cadaver dissections may be demonstrated in association with each organ system studied. Concurrent registration in BIO 251 is recommended.

BIO 202 Anatomy and Physiology II

4 credits

Prerequisite: BIO 201

Continuation of BIO 201. An in-depth study of the structure and function of human organ systems and the relationships among physiologic systems at the cellular, tissue, organ, and system levels. A comprehensive understanding of how each system aids in the maintenance of homeostasis is stressed in the study of the endocrine, cardiovascular, respiratory, digestive, excretory, and reproductive systems. Human cadaver dissections may be demonstrated in association with each organ system studied. Concurrent registration in BIO 252 is recommended.

BIO 204 Special Topics

1–4 credits

A course allowing for instruction in areas not included in the regular biology curriculum. Topics vary according to the expertise of individual instructors.

BIO 205 Fundamentals of Anatomy and Physiology

5 credits

Prerequisites: BIO 100 or BIO 101 or BIO 102; CHE 101 or CHE 102 or CHE 103 or CHE 104

A systemic structure/function approach to the study of the human body that provides the background required for further study in applied physiology. Anatomy and physiology of integumentary, skeletal, muscular, nervous, cardiovascular, digestive, reproductive, respiratory, endocrine, and urinary systems will be studied. The laboratory parallels and reinforces lecture concepts through the use of models, histological studies, physiological exercises, and dissection of biological samples. This is a hybrid class; most lectures will be online. The face-to-face portion will include laboratory exercises, lecture review, case studies, and assessments.

BIO 206 Scientific Illustration

3 credits

(Also ART 206)

This course will help students develop an ability to produce effective illustrations of scientific subject matter for science classes, displays, learning centers, slide lectures, publications, advertisements, or other uses. The student will also gain an understanding of the differences between illustration and art, and of the importance of illustration as a form of communication. The students will increase their observational ability and will learn basic techniques of drawing in pen and ink, pencil and scratch board.

BIO 210 Fundamentals of Microbiology

3 credits

Prerequisites: BIO 100 or BIO 102; CHE 101 or CHE 103 or CHE 104

A comprehensive course in which students learn the structural characteristics and biological activities of bacteria, viruses, fungi, protozoans, and helminths. Particular emphasis is placed on those organisms that cause disease in humans and on the nature of the

immune response in humans. A strong background in biology and understanding of Krebs cycle, transcription and translation is required. Students may not take both BIO 210 and BIO 311 for credit.

BIO 215 Ecology & Evolution

3 credits

Prerequisites: BIO 100 or BIO 102

Study of the theory and mechanism of Ecology and Evolution. Topics include phylogenetic relationships, population variation, natural selection, adaptation, and speciation.

BIO 221 Fall Flora

1 credit

A study of the common flowering plant families, their identification, and their classification. Emphasis is placed on field study providing both scientific and aesthetic experiences. Ecological awareness is encouraged.

BIO 222 Spring Flora

1 credit

A study of the common flowering plant families, their identification, and their classification. Emphasis is placed on field study providing both scientific and aesthetic experiences. Ecological awareness is encouraged.

BIO 231 Botany

4 credits

Prerequisite: BIO 100 or BIO 102

An extensive study of the plant kingdom and related organisms. Major topics include taxonomy, structure, morphology, development, physiology, reproduction, and evolution of plants. Ecological awareness is encouraged.

BIO 251 Anatomy and Physiology Lab I

1 credit

Prerequisite or corequisite: BIO 201

An optional one-credit lab to accompany BIO 201. Topics will correspond to lecture material, including cell physiology through nerve/muscle relationships.

BIO 252 Anatomy and Physiology Lab II

1 credit

Prerequisite or corequisite: BIO 202

An optional one-credit lab to accompany BIO 202. Topics will correspond to lecture material, including endocrine function through reproduction.

BIO 253 Human Anatomy and Physiology Lab

1 credit

Prerequisite: BIO 201

Prerequisite or corequisite: BIO 202

An optional one-credit lab to follow BIO 201 and accompany BIO 202. Topics will include aspects of the nervous system, skeleton-muscular system, cardiovascular system, and select other topics.

BIO 300 Biology Literature and Seminar

2 credits

Prerequisites: BIO 010

A seminar based on the reading of current biological literature and the presentation of research seminars. In addition, students will prepare and present senior research proposals for a senior research project.

BIO 301 Genetics and Lab

4 credits

Prerequisite: BIO 100 or BIO 102

Topics include transmission genetics, cytogenetics, population genetics, and quantitative genetics. Laboratory emphasizes experimental observation, experimental design, hypothesis testing, and scientific writing.

BIO 302 Cell and Molecular Biology

4 credits

Prerequisites: BIO 100 or BIO 102 and CHE 201

A lecture/laboratory course designed to shed light on the considerable research directed at understanding the chemical reactions occurring in the cell and the relationships they bear on cellular structure and function.

BIO 304 Field Study

1–2 credits

Prerequisite: BIO 104 or BIO 315, and Permission of the Instructor

Individual study arranged between the student and the department chair to observe and evaluate some phase of environmental science in nature or industry or through a civil or county department. The student keeps a daily log, collects data, and does extensive reading for a written report and oral presentation for a seminar.

BIO 310 Invertebrate Zoology and Lab

4 credits

Prerequisite: BIO 100 or BIO 102

A study of the biology and taxonomy of major invertebrate groups with special emphasis on structure-function relationships: their life histories, evolution, ecology, and economic importance. Laboratory sessions involve the observation and dissection of representative invertebrate organisms in order that a clear understanding of each taxonomic phylum may be attained.

BIO 311 Molecular and Physiological Microbiology

4 credits

Prerequisites: BIO 100 or BIO 102, CHE 201

An introduction to bacterial structure, metabolism, growth principles, genetics, and identification. Other topics covered include antibiotics, bacteriophage, and infectious diseases caused by bacteria. (Students may not take both BIO 210 and BIO 311 for credit.)

BIO 312 Developmental Biology and Lab

4 credits

Prerequisites: BIO 100 or BIO 102

A study of progressive changes that occur within cells, tissues and organisms during their life span. Development at the molecular, biochemical, genetic, morphological, and physiological levels are examined through lecture, discussion, and laboratory exercises.

BIO 315 Ecology

3 credits

Prerequisite: BIO 215

A lecture course involving study of populations, communities, and individual organisms in relation to their environment. Abiotic and biotic factors, chemical cycles, population and community ecology, and succession are studied in depth. Interaction of organisms with physical and chemical components of the environment is stressed. Use of statistical methods in ecology is covered.

BIO 322 Vertebrate Zoology and Lab

4 credits

Prerequisite: BIO 100 or BIO 102

A study of the biology and taxonomy of major vertebrate groups with special emphasis on the structure-function relationships: their life histories, evolution, ecology, and economic importance. Laboratory sessions involve the dissection of representative organisms, understanding phylogenetic relationships, and ecological relationships.

BIO 324 Research Design and Biostatistics

3 credits

Prerequisite: BIO 100 or BIO 102, and MAT 122 or PSY 210 or SWK 210 or BUA 210

Experimental design, statistical assumptions, sample selection, descriptive statistics, inferential statistics, analysis of results, and critical reading of scientific literature.

BIO 342 Ornithology and Lab

4 credits

Prerequisite: BIO 100 or BIO 102

A survey of ornithology. Lectures cover the biology, evolution and ancestral relationships, migration, flight and flight-related structures and behavior. Behavior and identification of local birds is addressed in laboratory and on field trips.

BIO 360 Microbiology Laboratory

1 credit

Prerequisite or corequisite: BIO 210

An optional three-hour laboratory coordinated with BIO 210 lecture material designed to enhance the significant aspects of microbial metabolism and response to selective and differential media. Laboratory skills including aseptic technique and the proper handling and treatment of pathogens are included. Familiarity with a wide variety of specimens will help prepare nursing pre-professionals for future exposure to such microbes in their clinical experience.

BIO 365 Ecology Laboratory

1 credit

Prerequisite: BIO 100 or BIO 102

Prerequisite or corequisite: BIO 315

This course is designed to accompany BIO 315 and offer a more quantitative approach to the study of ecology. The student is introduced to various ecological field and laboratory methods, including statistical analysis of data. Populations, habitat, communities, and productivity are analyzed, reinforcing the lecture material in BIO 315. Scientific report writing is stressed.

BIO 397 Internship

1–3 credits

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. (This course will not count toward the biology major/minor without prior written permission of the department chair.)

BIO 402 Virology

3 credits

Prerequisites: BIO 100 or BIO 102, CHE 202

A study of virus history, molecular structure and function and epidemiology. Course content is derived from current, juried papers and web sites. Students will explore how viruses impact host cellular functions and will also look at current therapeutic and preventative regimes. An emphasis will be placed on new and emerging viral disease.

BIO 404 Special Topics

1–4 credits

A course allowing for instruction in areas not included in the regular biology curriculum. Material covered varies according to the expertise of individual instructors.

BIO 412 Neurobiology

4 credits

Prerequisite: BIO 201

An in-depth study of the concepts and principles of neurobiology. Students will understand how the science of neurobiology has emerged in recent decades as one of the most paramount fields of interest in biology. Lecture and laboratory stress development, plasticity, disorders, and research techniques, utilizing both invertebrate and vertebrate models. The lectures will include seminar-style readings of journal articles.

BIO 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by the student, with an instructor's guidance, to allow students of superior ability to pursue a topic of interest not available through regular courses.

BIO 422 Immunology

3 credits

Prerequisites: BIO 100 or BIO 102, CHE 202

A study of several major topics in immunology. The topics include antibody structure, antigen–antibody reactions, generation of immune responses, antibody diversity, and cell-mediated immunity. The application of this information to laboratory assays and resistance to disease is also included.

BIO 425 Biology Senior Research I

1 credit

Prerequisite: BIO 300

The first of two courses that comprise an individually arranged research project under the guidance of department faculty. Each biology major elects to do laboratory/field research on a problem in biology of personal interest. In this course the student will refine research methods and experimental design, including data collection, and complete initial sections of the final written report.

BIO 426 Biology Senior Research II

1 credit

Prerequisite: BIO 425

The second of two courses that comprise an individually arranged research project under the guidance of department faculty. Each biology major elects to do laboratory/field research on a problem in biology of personal interest. In this course the student will collect and analyze data, finish and submit a written report, and do a public presentation of his or her research.

BIO 435 Human Anatomical Dissection and Demonstration

3 credits

Prerequisite: BIO 202 and permission

In-depth study of human anatomy via regional and systemic prosection of all major organ systems of a human cadaver, including the integumentary, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems. This small group immersion course broadens the students' knowledge of both the anatomy and physiology of human systems. Students conduct review sessions with dissection demonstrations to small groups from the Anatomy and Physiology course, as well as to other classes, advanced high school biology students, and other interested groups. Each semester different dissections may be conducted and variations in the anatomy and/or pathology provide new learning. (repeatable for credit)

BIO 497 Internship

1–3 credits

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. (This course will not count toward the biology major/minor without prior written permission of the department chair.)

BUA BUSINESS ADMINISTRATION**BUA 101 Introduction to Business**

3 credits

An introductory course, designed for the non-business major student, to learn general business functions and systems. The student will explore business skills that are needed in one's professional career. A computer simulation, current events, guest speakers, field trips to local businesses and discussion are used to gain knowledge of general business concepts and the business environment.

BUA 203 Career Preparation

1 credit

A course in resume writing, interviewing skills, techniques for personal enhancement, and international business etiquette; supplies the student with criteria beyond academics for acceptance into the world of work and future entry-level management positions.

BUA 204 Special Topics

1–3 credits

A study of selected topics offered at the discretion of the instructor.

BUA 210 Statistical Techniques for Research Data Analysis

3 credits

Prerequisite: MAT 100 or MAT 105 or MAT 111 or MAT 130 or appropriate math placement test score

An interdisciplinary introduction to the basic principles of data analysis with an emphasis on application. Students are expected to apply these principles to data analysis in their respective areas of study. The applied focus is on the computerized application of summary statistics, one-/two-/multi-sample tests, linear models, association tests, randomness/normality tests, and probability distributions as used across a variety of community and organizational settings. Other techniques may be added as appropriate for specific disciplines.

BUA 220 Leadership and Social Innovation with Enactus

1–3 credits

Enactus allows students the opportunity to apply what they learn in an academic environment directly to the community. Through a series of volunteer projects that allow our students to interact with the world around us, valuable experience is gained while allowing for added emphasis on giving back to the world we live in. As Enactus is a global organization, students also have the ability to interact and compete with other students from around the world, while developing valuable job and networking skills.

(Repeatable for credit)

BUA 221 Model United Nations I

0–2 credits

To provide students with the facility to explore current issues and challenges which are facing the international community. Current global and regional issues of concern for the United Nations (UN) include, but are not limited to: World Trade Organization goals for reducing subsidies & tariffs, protecting human rights in combating terrorism, the role of women in development, and the role of the UN in compliance to nuclear disarmament. The vast range of topics tends to fall under three categories: political, economic, and social/humanitarian. Students are encouraged to explore areas which are of interest to his/her field of study. Additionally, BUA 221 Model UN I provides students with the necessary issue knowledge and team building skills which are required for competing at national and regional MUN conferences that are held during the spring semester. (repeatable for credit)

BUA 222 Model United Nations II

0–2 credits

(BUA 221 recommended)

To provide students with the facility to explore current issues and challenges which are facing the international community. Current global and regional issues of concern for the United Nations include, but are not limited to: World Trade Organization goals for reducing subsidies & tariffs, protecting human rights in combating terrorism, the role of women in development, and the role of the UN in compliance to nuclear disarmament. Students will be participating in a regional or national conference(s) at which students will be discussing issues facing the international community with other college students from across the globe. In Model UN conferences, students experience negotiation and diplomacy hands-on by being a delegate representing a country. While it is not a requirement for students to take BUA 221 Model UN I (fall semester) as a prerequisite, it is strongly recommended because it provides students with the necessary issue knowledge and team building skills that are required for competing at conferences. (repeatable for credit)

BUA 303 Population and Demography

3 credits

Prerequisites: SOC 100 or PSY 101 and MAT 122 or BUA 201 or SWK 210

An introductory study of the techniques and applications of population and demographic data. Emphasis will be on sources of data and their applications in formulating public and business policy. World and national population history will be studied to understand demographic transitions and current trends.

BUA 310 International Business

3 credits

Prerequisite: ECO 201 or ECO 202

This course introduces the student to the economic, political, social and cultural issues of operating a business in a global economy. An understanding of exchange rate mechanisms, international trade agreements, and international strategies will be developed.

BUA 350 Business Law

3 credits

A study of business law. Topics included in the course include the American legal system, contracts, property, negotiable instruments, creditors' rights and bankruptcy, agency, business organizations, labor and employment relations, government regulations and torts.

BUA 397 Internship

0.5 credits

Prerequisite: BUA 203, MGT 213, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience. Ideally, majors in the program would do an internship with a small business. However, if the internship is with a larger company, the internship should include a variety of work experiences.

BUA 402 Strategy and Policy

3 credits

Prerequisite: FIN 301

(Senior standing, all Business core courses must be completed before taking this course)

A capstone business course that integrates the functional areas of a business with the strategic decision-making process. In a team environment, students are expected to employ the skills and knowledge learned from their academic career in a computer-simulated industry. An analysis of case studies and/or current business articles will also be used to link academic concepts and theories to real-world situations.

BUA 404 Special Topics

1–3 credits

A study of selected topics offered at the discretion of the instructor. Open to qualified juniors and seniors who wish to do advanced work and permission of instructor.

BUA 405 Readings in Contemporary Business Issues

3 credits

This course addresses topics from selected themes of contemporary interest in the broad content area of business and may focus on accounting, economics, management, leadership, marketing, finance, and technology. This course will explore questions raised by emerging new issues in the field of business and their potential impact on business, research, and society.

BUA 410 Senior Design and Application Project

3 credits

Prerequisite: Permission

(Senior standing in the School of Business, completion of, or corequisite in, all other school and program required courses.)

In this comprehensive course, students work individually on project proposals that demonstrate the student's preparedness as a practicing business professional. Students will prepare a learning agreement which includes a proposed comprehensive business problem and then implement a project that leads to a professional-quality report that analyzes the problem from several perspectives, presents and discusses solutions to the problem, and provides recommendations for action. Students must provide evidence that they have researched the topic and considered the problem from several business perspectives which may evaluate the financial, organizational, and/or operational impacts of the proposed solution. Oral and written reports will be evaluated during and at the completion of the project. A final presentation will be made before a faculty panel.

BUA 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

BUA 497 Internship

1–3 credits

Prerequisite: BUA 203, MGT 213, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience. Ideally, majors in the program would do an internship with a small business. However, if the internship is with a larger company, the internship should include a variety of work experiences.

BUS BUSINESS**BUS 111 Marian Online Orientation**

0 credits

Provides an online orientation to online learning and Marian University. Covers tools, procedures, policies and expectations involved in online courses. ("0" credit receives CR/NC grade.)

BUS 235 Mathematics for Managers

3 credits

(AGS students only)

This course gives the student a background in the application of mathematical concepts needed for success in the business world. Major topics of basic algebra, present and future values, simple and compound interest, and annuities prepare a student for advanced work in accounting, statistics, and quantitative analysis.

BUS 245 Managerial and Professional Ethics

3 credits

(AGS students only)

Examines the interaction between the social value and the economic value of the person and the community. Discussion encompasses economic theories and ethical concepts relative to moral issues in business. From the perspective of ethical theories, case studies and student experience prompt critical analysis and evaluation.

BUS 343 Technology of Information Systems

3 credits

Prerequisites: TEC 102, TEC 200

(AGS students only)

Provides an overview of the tools and resources necessary to provide effective information systems support. Introduces the organization, structure and functions of operating systems, the analysis of the components of a computer system and their relationship to each other. Includes concepts of connectivity, installation and maintenance of hardware, software and peripheral devices. Proves cases demonstrating realistic hardware/software problems encountered in the workplace and techniques and procedures used to implement solutions.

BUS 348 Principles of Data Management

3 credits

Prerequisite: TEC 200

(AGS students only)

Examines the functions and operations required to manage information for business decisions. Focuses on the use of various information technologies and tools that support transaction processing, decision-making, and strategic planning. The diverse information needs of different organizations are used as examples of practical applications of this technology. Introduces the practical concepts of data structures; indexed and direct file organizations; data models, including hierarchical, network, and relational models; storage devices; data administration and analysis; and design and implementation. Students use database software in creating, modifying, retrieving, and reporting from databases.

BUS 435 Statistical Applications

3 credits

Prerequisite: MAT 123

(AGS students only)

An emphasis in applying concepts from statistics specific to statistical process or quality control from a Deming perspective. The study focuses on statistics in analytical studies with time devoted to control charts, Pareto analysis, and short-run Statistical Process Control (SPC) techniques. Design of experiment is discussed as a process improvement method.

BUS 438 Business Data Communications and Networks

3 credits

Prerequisite: BUS 343

(AGS students only)

Provides an analysis of the basic theory of data transmission, network topologies, protocols, operating systems, and business network applications. The link between business needs and applications of data communications principles are stressed. This course introduces a wide variety of data communications concepts, including voice and data transmission, the role of international standards, the OSI model, the Internet, corporate intranets and extranets, and the challenge of network management.

BUS 458 Systems Analysis and Design

3 credits

Prerequisites: BUS 343, BUS 348

(AGS students only)

Analyzes established and evolving methodologies for development of business-oriented computer information systems. Develops competencies in techniques that apply modern software tools to generate applications. Introduces fundamental concepts of systems

design such as the SDLC and rapid application development. Provides instruction for creating or modifying a system by gathering details, analyzing data, designing systems to provide solutions, and implementing and maintaining the systems.

BUS 495 Synthesis Portfolio

1 credit

(AGS students only, Senior Standing, all Business core courses must be completed before taking this course)

The purpose of this capstone course is to reflect on your learning processes through integration of the liberal arts core with the curriculum of the Bachelor of Business Administration program. Its primary focus is to examine the critical thinking skills developed throughout the entire academic program resulting in the completion of degree requirements.

CHE CHEMISTRY

CHE 001 Preparatory Chemistry

3 credits

Prerequisite: MAT 002 or appropriate math placement test score; or

Prerequisite or Corequisite: MAT 001

This non-lab course is designed for students who need to take CHE 101 or CHE 103 but have had either no high school chemistry or have a weak mathematics or science background. These students should take this course to prepare for the mathematical aspects of introductory chemistry. Specific topics will include units, metric system, atomic and molecular structure, chemical reactions, and stoichiometry. (This course is a pre-college level course and does not fulfill degree requirements.)

CHE 010 Chemistry Seminar

0 credits

Research seminars, reviews of scientific literature, and research proposals presented by chemistry and biology majors, faculty members, and/or guest speakers. ("0" credit receives CR/NC grade.)

CHE 101 Principles of Chemistry I

4 credits

Prerequisites: High school chemistry or CHE 001 with a grade of C or higher; MAT 001 or appropriate math placement test score

An introduction to the fundamental principles of Chemistry, including modern concepts of atomic and molecular theory, physical states of matter, stoichiometry, chemical bonding, gas laws, equilibria, and reactions of inorganic compounds.

CHE 102 Principles of Chemistry II

4 credits

Prerequisite: CHE 101 or CHE 105 with a grade of C or higher

A second-semester general chemistry course that introduces the topics of equilibrium, kinetics, ionic equilibria of weak electrolytes, solubility product, coordination compounds, thermodynamics, electrochemistry, and descriptive chemistry. Qualitative analysis is included in the laboratory portion of this course.

CHE 103 General, Organic, and Biochemistry

5 credits

Prerequisites: High school chemistry or CHE 001 with a grade of C or higher; MAT 001 or appropriate math placement test score

An introductory course for non-science majors. This course provides a basic knowledge of chemistry and its application to everyday life with special focus to biological and medical applications. With laboratory.

CHE 104 Introduction to Biochemistry

4 credits

Prerequisite: C or better in CHE 101

(RN-BSN/MSN students only)

An introductory course for non-science majors. This course provides a basic knowledge of chemistry and its application to everyday life with special focus on biological and medical applications.

CHE 105 Intermediate Chemical Principles

2 credits

Prerequisite: C or better in CHE 103

A bridge course to enable students who have satisfactorily completed CHE 103 (General, Organic, and Biochemistry) prepare for CHE 102 (Principles of Chemistry II). This course will address those topics of CHE 101 which are not comparably discussed in CHE 103.

CHE 151 Principles of Chemistry Laboratory I

1 credit

Prerequisite: Permission

A satisfactory score on Chemistry CLEP examination must be earned for the lecture portion of CHE 101 Laboratory course for those students required to take a first semester general chemistry laboratory.

CHE 152 Principles of Chemistry Laboratory II

1 credit

Prerequisite: Permission

A satisfactory score on Chemistry CLEP examination must be earned for the lecture portion of CHE 102 Laboratory course for those students required to take a second semester general chemistry laboratory.

CHE 201 Organic Chemistry

3 credits

Prerequisite: CHE 102 with a grade of C or higher

(Corequisite in CHE 251 recommended)

An in-depth study of the chemistry of organic compounds. This course includes nomenclature, structure, reactions, stereochemistry, an introduction to absorption spectroscopy, and uses and reaction mechanisms of organic molecules.

CHE 202 Organic Chemistry II

3 credits

Prerequisite: CHE 201 with a grade of C or higher

(Corequisite in CHE 252 recommended)

A continuation of CHE 201.

CHE 204 Special Topics

1–5 credits

A course allowing for instruction in areas not included in the regular chemistry curriculum. Topics vary according to the expertise of individual instructors.

CHE 251 Organic Chemistry I – Lab

1 credit

Prerequisite or corequisite: CHE 201

An introduction to the techniques and methods of the organic chemistry laboratory. This course includes the synthesis of various classes of compounds, determination of properties and structures, product evaluation, introduction to various instruments and identification.

CHE 252 Organic Chemistry II – Lab

1 credit

Prerequisite: CHE 251 or corequisite: CHE 202

A continuation of CHE 251.

CHE 300 Analytical Chemistry

4 credits

Prerequisite: CHE 102 with a grade of C or higher

An introduction to the principles of analytical chemistry with emphasis on analytical methods involving volumetric, optical, separations, and electrochemical analyses, especially for chemistry majors, pre-medical, and medical students, medical technology and other students in biological sciences.

CHE 301 Instrumental Analysis

4 credits

Prerequisite: CHE 300

An introduction to chemical instrumentation presenting theoretical and experimental aspects of solving analytical problems. The course introduces the applications of modern instruments to the detection and identification of chemical elements and compounds, covering ultraviolet, visible, infrared spectrophotometry, ESR, NMR, atomic absorption, ion exchange, gas chromatography, and electrochemistry. This course also includes the interfacing of instruments to computers.

CHE 302 Biochemistry

5 credits

Prerequisite: CHE 201

A lecture and laboratory course directed toward the study of the organic and inorganic constituents of living matter with particular emphasis on the carbohydrates, proteins, lipids, nucleic acids and enzymes and their mode of action in relation to digestion, absorption and biological oxidation. This course also includes metabolic pathways, blood constituents and analyses of biological fluids.

CHE 312 Chemistry Literature and Seminar

2 credits

Prerequisite: CHE 010

A seminar based on the reading of current chemical literature and the presentation of research seminars. In addition, students will prepare and present senior research proposals for a senior research project.

CHE 397 Internship

1–3 credits

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. (This course will not count toward the chemistry major/minor without prior written permission of the department chair.)

CHE 401 Physical Chemistry I

3 credits

Prerequisite: MAT 202

Prerequisite or corequisite: CHE 300

A survey course covering topics such as chemical thermodynamics, chemical kinetics, equilibria, phase rule, solutions, spectroscopy, quantum chemistry, electrical and magnetic properties, and the states and structures of matter.

CHE 402 Physical Chemistry II

3 credits

Prerequisite: CHE 401

(Corequisite in CHE 452 recommended)

A continuation of CHE 401.

CHE 404 Special Topics

1–5 credits

A course allowing for instruction in areas not included in the regular chemistry curriculum. Material covered varies according to the expertise of individual instructors.

CHE 411 Advanced Organic Chemistry

3 credits

Prerequisite: CHE 202

More extensive coverage of selected topics from Organic Chemistry 201/202. Topics covered are determined by the instructor and the students, and may include industrial organic chemistry, chemistry of drugs, alkaloids, spectral problems, reactive intermediates, and other similar topics.

CHE 414 Independent Study

1–3 credits

Prerequisite: Permission

This course provides the student an opportunity to study a topic of interest that is not covered in any other course. The student is required to do most of the work on an independent basis but does meet periodically with the supervising professor. The number of credits received is determined by the supervising professor.

CHE 425 Chemistry Senior Research I

1 credit

Prerequisite: CHE 312

The first of two courses that comprise an individually arranged research project under the guidance of department faculty. Each chemistry major elects to do laboratory/field research on a problem in chemistry of personal interest. In this course the student will refine research methods and experimental design, including data collection, and complete initial sections of the final written report.

CHE 426 Chemistry Senior Research II

1 credit

Prerequisite: CHE 425

The second of two courses that comprise an individually arranged research project under the guidance of department faculty. Each chemistry major elects to do laboratory/field research on a problem in chemistry of personal interest. In this course the student will collect and analyze data, finish and submit a written report, and do a public presentation of his or her research.

CHE 451 Physical Chemistry I – Lab

1 credit

Prerequisite or corequisite: CHE 401

Experimental work correlating with the theory of CHE 401 Physical Chemistry I.

CHE 452 Physical Chemistry II – Lab

1 credit

Prerequisite or corequisite: CHE 402

Experimental work correlating with the theory of CHE 402.

CHE 497 Internship

1–3 credits

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. (This course will not count toward the chemistry major/minor without prior written permission of the department chair.)

CHH COMMUNITY HEALTH AND HUMAN SERVICES**CHH 204 Special Topics**

1-3 credits

A course allowing for instruction in areas not included in the regular Community Health and Human Services curriculum. A subtitle indicating this specific subject is added each time the course is offered.

CHH 300 History of Health and Welfare Policy

3 credits

This course covers the historical development of health and welfare policy and the impact of social, economic factors, and the ideological systems on related laws, policies and programs. The development of related professions and selected social movements is also addressed.

CHH 304 Pathophysiology

3 credits

Prerequisite: C (2.00) or higher in BIO 201, BIO 202 or BIO 205

The student reviews concepts of anatomy and physiology and acquires knowledge about the pathophysiology of disease processes affecting the person across the life span. The student utilizes the processes of critical thinking and decision making within the evolving professional nurse role by exploring concepts and alterations of immunity, inflammation, infection, cellular proliferation, hormonal, musculoskeletal, renal, neurological, respiratory, hematological, and cardiovascular systems and functions of the person across the life span.

CHH 305 Poverty and Community Health

3 credits

This course examines the cultural and structural aspects of poverty and their impact on populations at risk both globally and in particular in the United States. Emphasis is placed on policy, programs and services - both health and economic - designed to alleviate poverty and address its damaging effects.

CHH 404 Special Topics

1-3 credits

A course allowing for instruction in areas not included in the regular Community Health and Human Services curriculum. A subtitle indicating this specific subject is added each time the course is offered.

CHH 410 Community Health Theory and Practice

3 credits

Examination of theory and practice impacting community health systems. Exploration of the systemic, ecological and multidisciplinary frameworks for understanding social network, neighborhood, organizational and community behavior, including identification and evaluation of the roles of community members impacting social change.

CHH 411 Aging in the 21st Century

3 credits

This course introduces students to the study of aging, focusing on health policy and services designed for this rapidly increasing demographic group. In 2011 the first baby boomers turned 65 which means policy and service must respond quickly to rapidly increasing system demands. In addition to a general overview of aging and the life-course, a range of current issues relevant to aging will be presented.

CHH 430 Community Mental Health

3 credits

Prerequisite: PSY 211

A course introducing students to community mental health services in contemporary society. A review of the history of mental health services, legislative changes, and evidence-based practices is provided. Includes exploration of current service delivery systems and the role of community health and human services practitioners.

CHH 495 Community Health and Human Services Capstone

3 credits

Prerequisite: Permission

In consultation with the instructor, students will identify and design a capstone project that demonstrates their ability to integrate the knowledge gained throughout the Community Health and Human Services curriculum. Projects may include, direct service learning experiences in community health and human service agencies, research projects or other forms of applied learning.

CMG CULTURAL, MEDIA, AND GENDER STUDIES**CMG 204 Special Topics**

1-3 credits

A course allowing for instruction in areas not included in the regular Cultural, Media, and Gender Studies curriculum. Topics vary according to the expertise and interests of individual instructors.

CMG 215 Contemporary Culture

3 credits

In this course, students will examine the effects of cultural processes and products on the values, beliefs, identities, and relationships of power that shape society, with particular attention given to the role of the media and the social construction of gender. Students are introduced to the process of critical cultural inquiry—the integration of critical thinking, theory and socially responsible engagement—as a means of analyzing (1) cultural artifacts such as consumer goods (clothing, music CDs, cell phones), television programs, advertisements, films, and architecture; (2) the media's role in shaping how meaning is created and communicated; and (3) social institutions and practices, and how they help create and maintain inequalities in identity. Specific emphasis is also given to identifying injustice and developing appropriate responses. Theories and methodologies from a variety of disciplines are employed.

CMG 315 Gender and Sexuality in the 21st Century

3 credits

An advanced inquiry into gender theory and sexuality studies that re-situates its key concepts within the larger field of cultural representation, including film and media. While broadly overlapping fields, gender theory is here understood to include approaches from feminist, postmodern, and poststructuralist theories of gender, while sexuality studies also includes diverse approaches drawn

from sexology, psychoanalysis and queer theory. This course aims to furnish students, who may already have established an interest in understanding gender and sexuality as critical categories, with more advanced theories and methodologies. Through critical study, students develop specific concepts, terminology, and methods needed to participate in on-going theoretical debates within gender theory and sexuality studies, in addition to using such theories to analyze cultural representations.

CMG 397 Internship

1–3 credits

Prerequisite: CMG 215

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

CMG 404 Special Topics

1–3 credits

In this course, students engage in a supervised, independent research project that focuses on an issue, problem or topic within their area of concentration (culture, media, or gender), culminating in the writing and presenting of a comprehensive paper. With the approval of the instructor, the research may include a community project or some form of ethnography. Primary emphasis is given to the demonstration of proficiency in the application of critical cultural inquiry (which includes responsible social engagement), the effective use of appropriate methodologies and the demonstration of how the research is relevant to an aspect of the student's major. The seminar process will include class discussions of research and writing-in-progress. Students can take this course more than once.

CMG 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by a superior student, with faculty guidance, to explore a topic not covered in traditional course offerings.

CMG 497 Internship

1–3 credits

Prerequisite: CMG 215

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

COM COMMUNICATION

COM 100 Introduction to Communication

3 credits

This course examines the history of communication including verbal, nonverbal and written forms. The curriculum covers various ways of studying communication processes, including communication models. Students are introduced to the application of basic communication concepts and theory in interpersonal, group, organizational, and mass communication contexts.

COM 101 Fundamentals of Communication

3 credits

This course focuses on the exploration of fundamental principles of effective communication. Skilled communication behaviors are developed through the study and practice of interpersonal communication, public speaking, listening, and group dynamics. Practical applications include class discussion, group activities, listening exercises, and individual presentations.

COM 102 Electronic Student Newspaper

1 credit

Students gain experience working on the publication of a newspaper, with the opportunity to serve in a number of capacities: news writing and reporting, feature writing, sports writing and reporting, layout and design, photojournalism, advertising sales, and management. (repeatable for credit)

COM 202 Writing for Media

3 credits

This course introduces students to the principles of writing news in text form for web-based publications and as scripts to be used in broadcast-style reports via the web, television, or radio. In addition to news, public relations writing – in the form of news releases and public service announcements (PSAs) – and advertising writing is covered.

COM 204 Special Topics

3 credits

An exploration and analysis of special areas, issues, or problems in communication, chosen because of their special relevance or interest and not specifically examined in other courses.

COM 207 Newspaper Editorship

1 credit

Prerequisite: Permission

(Enrollment restricted to appointed editors)

Students gain experience as editors of a student publication, completing editors' duties: making assignments; managing the staff; planning and organizing; editing copy, photography, and artwork; writing; and helping to manage the budget. The editors reflect with the advisors on their effectiveness in areas of group process, interpersonal communication, public speaking, staff management, ethics, writing, editing, and layout and design.

COM 210 Mass and Digital Communication

3 credits

This course deals with the influence of mass media on people's personal lives, corporate environments and the government. It studies the interrelationship of the mass media with individuals and society. The interaction of media with legal, political, cultural, economic, and social forces and trends is examined. Study of the structure and practices of the media industries includes consideration of regulation, news coverage, advertising and public relations, government, and technology.

COM 215 Introduction to Public Relations

3 credits

Students will be introduced to the profession of public relations — its practice, history, and legal and ethical issues. This includes how to communicate with various publics (community, consumers, employers, government, the media) for various purposes (education, political and social action, community relations, issues, and crisis management). Students will be encouraged to explore how public relations is practiced in their own disciplines.

COM 220 Online Speaking and Presentations

3 credits

A theoretical understanding and practical application of oral communication and presentation skills within an online environment including techniques in controlling speech anxiety, how to structure and organize information to present to a variety of audiences in diverse mediums and physical and vocal delivery skills. Emphasis is on research, preparation, delivery and evaluation of informative and persuasive public speaking within a professional online context.

COM 232 Public Speaking

3 credits

A course applying traditional rhetoric and communication theory to oral presentations. Students study, write, deliver, and evaluate public speeches. Emphasis is placed on the students' ability to speak from an outline in a variety of situations including informative speaking, persuasive speaking and demonstration speaking. All presentations are made in class and videotaped to aid in evaluation.

COM 270 Business and Professional Presentations

3 credits

A course focused on building students' presentation skills in a variety of settings including proposal presentations, sales position advocacy and specialty presentations typical in business and professional settings. Individuals and teams design professional-length presentations involving the use of visual and audio aids, written materials for the audience and computer-generated graphic presentations. Students develop proficiency in the critique and analysis of professional presentations.

COM 302 Intercultural Communication

3 credits

This course develops intercultural communication competence through an exploration of cultures. Using a broad definition of culture, which includes norms, values, beliefs, art, music, and literature, students examine the world as a place of dynamic change

and cultural interaction, increasing their need for intercultural sensitivity in general. Through both theory and personal experience, students examine how the various components of communication are affected by and interface with the intercultural experience. Service learning is a component of this course.

COM 315 Public Relations Writing and Practice

3 credits

Prerequisites: COM 215, ENG 105, ENG 106, or ENG 230

Students will learn the theories and principles of good public relations writing and practice. This includes how to develop, write and present press releases, reports, speeches, newsletters and brochures, advertisements, papers and letters, and give interviews. Students also will learn theories of persuasion, practical legal and ethical concerns, and how to conduct and evaluate research. (Course may serve as an upper-level journalism writing elective.)

COM 321 Organizational Behavior and Communication

3 credits

(Also MGT 321)

The course provides a broad overview of the theoretical and conceptual issues relevant to organizational communication. The focus is on how communication operates in organizations, the impact of communication on organizational life, and how communication can be made more efficient and effective in meeting personal and organizational goals.

COM 322 Argumentation and Persuasion

3 credits

The course utilizes classical and contemporary methods of logical reasoning, emotional appeal, and ethos as persuasive techniques to teach students problem analysis, research of evidence, and formulation and defense of one's position on an issue. Students write and present position papers on contemporary issues; analyze advertising, mass media techniques of persuasion, and political rhetoric; and explore the ethical issues surrounding the use of persuasion and propaganda in conveying messages. In the process, the course helps students become rational decision-makers who are able to defend and debate their positions on critical issues. Students are assessed on both written and oral skills.

COM 324 Interpersonal Communication

3 credits

The course examines the basic principles and theories of interpersonal communication. Students study and practice basic principles for effective interpersonal communication. Study includes language, perceptions, values, culture, nonverbal communication, and self-concept and listening and their effects on communication.

COM 333 Computer Applications for Communications

3 credits

The course introduces students to the use of computer programs for desktop publishing. Students design and produce various documents, including brochures, newsletters, etc. A thorough understanding of the elements of good design is stressed in the course through the application of both analytical and hands-on skills.

COM 334 Discussion and Small Group Interaction

3 credits

With emphasis on practical application, the course focuses on the theories and dynamics of group decision-making. Various processes are explored along with leadership responsibilities and analysis of group effectiveness.

COM 397 Internship

1–3 credits

A learning approach that integrates college studies with paid, practical work experience that is directly related to the communication major. Students earn credit for internship work experience. Opportunities for internships exist in business, industry, government and service agencies.

COM 400 Theories in Communication

3 credits

Prerequisite: COM 100

The purpose of the course is to provide students with an understanding of the background, principles and implications of theories of communication both generally and within specific communication contexts. Students compare the ways these differing approaches

and theories influence the way people see and interpret behavior; and the ways these approaches and theories make differing predictions about human behavior.

COM 401 Legal Issues in Communication

3 credits

The course examines the development of the complex relationship of communication and the law to the present day, and covers a variety of free expression issues in contemporary society. The U.S. legal system itself is studied. Emphasis is placed on the First Amendment to the U.S. Constitution and on libel, privacy, and copyright law. The relationship between regulatory agencies and the Internet, journalism, entertainment, political communication, commercial speech, and the mass media in general is explored.

COM 404 Special Topics

3 credits

Prerequisite: Permission

An exploration and analysis of special areas, issues, or problems in communication, chosen because of their special relevance or interest and not specifically examined in other courses.

COM 405 Senior Seminar in Communication

2 credits

A seminar course that assesses communication majors' and minors' general integration of material covered by their course of study. Students demonstrate their competency in the field by completing a critical analysis paper or public relations analysis, or creating an experimental training program. Discussion focuses on current communication research that forms the basis for students' projects and papers. Students also create a professional portfolio, conduct a job search, and make an oral presentation.

COM 406 Organizational Communication Senior Project

3 credits

Prerequisite: Permission

(AGS students only)

A capstone course wherein communication majors apply the theories and concepts of the degree in an assessment project that evaluates the communication process and competencies of their respective organizations or places of employment. The students write a major assessment paper and make a presentation based on the paper.

COM 410 Listening

3 credits

A seminar course which focuses on improving overall communication competence, by honing students' listening skills in a variety of contexts both professional and personal. Attention will be paid to both theory and practice of listening with particular attention to the HURIER model.

COM 412 Digital Communication

3 credits

Prerequisite: COM 333

Students will write, edit and create content for the digital communication world. This course provides an advanced-level opportunity to practice and polish the related skills of reporting, writing and editing for multimedia platforms. Students will learn advanced newswriting with a focus on feature writing and investigative reporting, as well as advanced-level digital production skills for creating websites, social media tools and working with different file formats.

COM 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

COM 416 Crisis Communication

3 credits

Taking a service-learning approach, the course will explore approaches to communicating with various publics, legal issues and mandates for public knowledge, ethical issues and extensive understanding of strategies, planning and implementation of crisis communication efforts.

COM 420 Professional Presentations

3 credits

Prerequisite: COM 232

This course focuses on building students' presentation skills in a variety of professional settings, including training, advocacy, and sales. Individuals and teams design professional-length presentations involving the use of visual and audio aids, written materials for the audience, and computer-generated graphic presentations. Students develop proficiency in the critique and analysis of professional presentations.

COM 431 Training and Assessment in Communication

3 credits

With an emphasis on practical application of communication theory, students use a variety of assessment and experiential training models to enhance organizational communication. Students assess organizations, and plan and deliver experiential training modules in real-world settings. Students learn and apply leadership and facilitation skills. (The course is recommended for juniors and seniors who have completed COM 232 Public Speaking or COM 101 Fundamentals of Communication.)

COM 470 Communication Senior Portfolio Preparation

1 credit

A seminar that supports communication majors' and minors' in the completion of their professional portfolio, preparation for employment interviews and presentation of their senior projects. Discussion focuses on current communication research that forms the basis for students' projects and papers.

COM 497 Internship

1–3 credits

A learning approach that integrates college studies with paid, practical work experience that is directly related to the communication major. Students earn credit for internship work experience. Opportunities for internships exist in business, industry, government, and service agencies.

CRJ CRIMINAL JUSTICE**CRJ 101 Introduction to the Criminal Justice System**

3 credits

This course explores the three main subsystems of the criminal justice system: law enforcement, courts, and corrections. The history, philosophy, structure, current issues, and future trends of these three main subsystems are presented, discussed, and studied using a cooperative learning approach. This course also identifies the functions and jurisdiction of Wisconsin law enforcement and criminal justice system agencies, and the sources and legal principles that form the foundation of Wisconsin criminal law. Additionally, belief systems, social pressures, moral problems, ethical decision making, and the consequences of decisions are discussed. This course identifies the resources available in communities to assist the criminal justice system. This course also covers Wisconsin requirements for written law enforcement agency policies and procedures.

CRJ 102 Constitutional Law

3 credits

In this course, students will examine the tenuous balance between the needs of society to investigate and prosecute criminal conduct against the rights of the individual to be free from governmental intrusion in their lives. Students will analyze laws and court decisions relating to arrest, search and seizure, and confessions law under the 4th, 5th, 6th and 14th Amendments to the U.S. Constitution.

CRJ 105 Survey of Forensic Sciences

1 credit

(Also FOS 105)

A lecture/seminar course that has the goal of providing students a general introduction to the application of scientific knowledge to the purposes of the law. It will familiarize students with some of areas of science which are involved in the court process, particularly in criminal trials, and the role of the forensic criminalist in criminal procedure. Accordingly, this class will survey forensic criminalistics and prepare students for additional, more in-depth classes in criminalistics and forensic science later.

CRJ 201 Criminal Law

3 credits

Prerequisite: CRJ 101

This course identifies the elements of crimes against persons, property, controlled substances, and alcohol beverage laws. The legal definitions and potential penalties of felonies, misdemeanors and ordinance violations are explored. Students will be able to identify potential violations and penalties in simulated cases.

CRJ 203 Juvenile Law

3 credits

Prerequisite: CRJ 101

This course examines the juvenile justice system, including juvenile court proceedings involving alleged delinquent children and on behalf of children in need of protection and services under applicable Wisconsin Statutes and constitutional law principles. The roles and responsibilities of law enforcement, child protection agencies, intake workers, and court officials are developed. The juvenile justice system is also examined from a sociological perspective with students evaluating the system's effectiveness in controlling juvenile delinquency by reviewing recent legislation and court ruling on the rights of youthful offenders and assessing legal efforts to correct their antisocial behavior.

CRJ 214 Statistics for Criminology and Criminal Justice

3 credits

Prerequisite: Appropriate math placement test score or MAT 001 with grade of C or higher and CRJ 101 or HOS 101

This course is an introduction to the basic principles of quantitative data analysis. Students will apply these principles to data analysis in criminological and criminal justice study. The focus of this course is to be placed on guiding students in interpreting criminological and criminal justice statistics and research, in which case an emphasis will be placed on the application of summary statistics, one-/two-/multi-sample tests, linear models, association tests, randomness/normality tests, and probability distributions to criminal justice models of inquiry.

CRJ 220 Critical Issues in Criminal Justice

3 credits

Prerequisite: CRJ 101

This course examines trends and issues in the delivery of public safety issues and services. It explores strategic innovations such as community policing, problem-oriented policing, disorder-based policing, Intelligence-Led Policing and the use of technologies. It discusses criminal justice effectiveness and reviews what research tells us about 'what works'. The course also examines issues of law legitimacy and accountability, corruption, regulating use of force and brutality, special and legal issues in policing as well as in a law enforcement agency, and the challenges involved in ensuring that criminal justice professional's behavior conforms with democratic principles such as fairness, equity, access to justice and respect for human rights. It also looks at issues of equity and diversity as regards to women in the criminal justice arena and relationships with ethnic minority communities. Finally, it sketches and assesses developments in private policing, both domestically and globally. While this class focuses on critical issues in the United States, it offers a global perspective and incorporates examples from different parts of the world.

CRJ 301 Criminal Investigations

3 credits

Prerequisites: CRJ 101, CRJ 201

This course is a study of the fundamentals of criminal investigations, including the principles involved in the collection, processing, and preservation of physical evidence. Students will examine the unique aspects of death, sexual assault, and child maltreatment investigations, including crime scene management, identification and evaluation of physical evidence found in the crime scene, and the collection and preservation of that evidence.

CRJ 302 Criminal Procedures

3 credits

This course is designed to introduce students to specific laws and court decisions on topics of arrest requirements, frisks and searches, seizures, warrants and exceptions, confessions and statements, and trial procedures.

CRJ 303 Law Enforcement Administration

3 credits

Prerequisite: CRJ 101

A survey course of police management practices and principles. The course is structured to provide the student with a comprehension and knowledge of the law enforcement profession, including administration, management, and supervision, and

duties and functions therein. The course focuses on job descriptions and responsibilities, as well as law enforcement traditions, current trends and practices, and the future needs from an administrative and technical standpoint. Other topics covered include staff development, planning, budgeting, community relations, and legal aspects of administration. Application of decision-making and problem-oriented policing techniques are included in this course.

CRJ 304 Rules of Evidence

3 credits

(Also FOS 304)

Prerequisite: CRJ 101 or CRJ 102

This course is a study of the nature, types, and degrees of evidence used in criminal prosecutions. The course emphasizes the vital importance of "why" and "how" evidence handled by the forensic criminalists for proper presentation and administration into the trial, in accordance with historical rule governing the admissibility of evidence in court. This includes the citizen-to-criminalist, criminalist-to-criminalist, and criminalist-to-prosecution chain of evidence rules. A basic legalistic criminalistic component will be stressed, which will examine the various analytical systems used in the evaluation of physical evidence which includes the correct identification, collection, and preservation of evidence.

CRJ 306 Understanding Gang Formation and Behavior

3 credits

Prerequisite: CRJ 101

This course is designed to provide the student with a thorough understanding of gangs, theories of gang formation, gang behavior, and policies implemented to address them. Upon completion of this course, students should have a good understanding about what a gang is, how gang violence is functional, and how the existence of gang criminal activity has impacted criminal justice policy (prosecution, courts, prisons, probation, and parole).

CRJ 307 Crimes Against Children

3 credits

Prerequisite: CRJ 101

This course studies the different types of child abuse. Central to this course is an extensive review and examination of the multiple causes and intricate familial dynamics of abuse. Both the physical and behavioral indicators of the victim are also studied, as well as potential family intervention strategies.

CRJ 310 Criminology

3 credits

(Also HOS 310)

Prerequisite: CRJ 101

An overview of theories of crime. The following theories will be explored: classical, spiritual and natural explanations; biological factors; psychological factors; control theories; deterrence theories; conflict theory; gender and crime; age and crime; and integrative theories.

CRJ 312 Crisis Intervention and Management

3 credits

(Also HOS 312)

Prerequisite: CRJ 101

Students will learn the role of crisis intervention and its management strategies necessary for their criminal justice career. Professional communication will be integrated and reinforced throughout the course. Students will be expected to apply these professional communication skills appropriately in (all) simulations. Students will also learn intervention principles, guidelines and techniques for criminal justice, public safety and health providers- about persons with possible mental disorders, alcohol or drug problems, dementia disorders, and/or developmental disabilities. Strategies of crisis intervention will be discussed in their own right and within the contexts of: suicide and personal loss/bereavement as well as other crises of lethality; posttraumatic stress disorder, hostage situations and the catastrophic events that are related, and sexual assault and domestic violence (including both adult and child victims and the perpetrators of these crimes) as well as the current issue of school-based violence.

CRJ 325 Corrections

3 credits

Prerequisite: CRJ 101

An overview of corrections (jails, prisons, probation/parole, and community-based options) as a means to protect society. Students will develop an understanding of the concepts of incarceration, prison management, and rehabilitation (penology), especially in the United States. Topics include pre-sentence investigations, sentence recommendations, conditions of probation and parole, case plans, rules, probation / parole violations, and revocations. How offenders change their lives in order to become productive community members will be explored in this course. Students will become familiar with corrections philosophies, prison violence, inmate subcultures, health care needs, treatment programs, punishment, prison educational programs, community perceptions, and jail administration. Consideration of aspects of probation service delivery, home visits, restitution, court obligations, supervision fees, and alternative methods of community protection.

CRJ 340 Principles of Judicial Practice

3 credits

Prerequisite: CRJ 101 or CRJ 102

This course focuses on the dynamics of the court by introducing the concept of the courtroom workhouse and the interrelated relationship of the three main actors-judge, prosecutor, and defense attorney-thus illustrating the law in action, not just boring theories and facts. It is important to understand the basic layout of the judicial process, no matter what field of law or criminal justice one may be in. This class provides the basic concepts needed.

CRJ 350 Principles of Professional Practice

3 credits

(Also HOS 350)

Prerequisite: CRJ 101 or CRJ 102

This course is a seminar in the major concepts of professionalism in criminal justice administration, and further, an introduction to the knowledge and skills necessary for one to practically apply the theory and principles of professionalism and professional conduct in the environment of criminal justice practice.

CRJ 360 Practicum in Research I

1–3 credits

(Also PSY 360, SWK 360)

Prerequisite: Permission

Introduction to the practice of developing research skills in the major. Students perform, under supervision, various tasks associated with the research process. Tasks may include collection of data, development materials, literature searches, data analysis, report preparation, or other activities.

CRJ 362 Practicum in Research II

1–3 credits

(Also PSY 362, SWK 362)

Prerequisite: CRJ 360

A continuation of CRJ 360, a further practice of developing research skills in the major will be explored. Students perform, under supervision, various tasks associated with the research process. Tasks may include collection of data, development materials, literature searches, data analysis, report preparation or other activities.

CRJ 394 Criminal Justice Field Experience

0–3 credits

Prerequisite: Permission

An upper-level practicum for students majoring in criminal justice whose academic performance is judged adequate for placement. Practical work experience in law enforcement, probation and parole, or corrections is obtained with a federal, state, or local criminal justice agency.

CRJ 400 Criminal Justice Seminar

3 credits

(Senior standing)

An upper level seminar course specifically designed for criminal justice students. This seminar primarily deals with a career-oriented study of various federal, state, and local criminal justice departments /agencies. The course focuses on both the organizational structure and personnel policies of the respective departments/agencies. Some of the major areas of concentration will include recruitment and selection procedures, minorities in law enforcement, and inter-agency relationships within the criminal justice

system. The course identifies the importance of specific recruiting policies and interagency relationships within criminal justice on employment.

CRJ 404 Special Topics

1–3 credits

Prerequisite: CRJ 101

Selected topics relating to the field of criminal justice are presented. The topics reflect the particular competencies and interests of program faculty taking into consideration the needs and requests of the students.

CRJ 414 Independent Study

1–3 credits

Prerequisite: Permission

Intensive independent study of a selected topic in the criminal justice system. The student is expected to research the topic and will prepare a critical documented paper on the topic. Also, see the statement on independent study.

CRJ 420 Race, Gender, and Ethnicity

3 credits

(Also HOS 420)

Prerequisite: CRJ 101

The focus of this course is to study the nature and extent of racial, cultural, and gender issues as they pertain to criminal justice issues in America. Furthermore, the class will attempt to distinguish the variability in past and existing criminal justice practices at each stage of the criminal justice system for minority groups.

CRJ 425 Crime Prevention and Community Safety

3 credits

Prerequisite: CRJ 101

Examination of crime prevention strategies and concepts, with emphasis on new and innovative approaches to preventing criminal behavior, primarily from the perspective of law enforcement. Review and discussion are focused on the following areas: diversity, facilitation and problem solving, and community policing strategies. Students will recognize the dynamics of a diverse society, identify hate crimes, recognize the role of problem solving within the community, apply principles of crime prevention, and understand the components of community policing.

CRJ 457 Comparative Criminal Justice Systems

3 credits

Prerequisite: CRJ 101

This course is an upper division examination of criminal justice systems worldwide. Students will explore the justice systems predicated on Common and Civil Law as well as Sharia Law and Marxist traditions. The course explores the means of establishing cooperation toward mutual goals despite structural, historical and ideological differences.

CRJ 494 Criminal Justice Field Experience

0–3 credits

Prerequisite: Permission

An upper-level practicum for students majoring in criminal justice whose academic performance is judged adequate for placement. Practical work experience in law enforcement, probation and parole or corrections is obtained with a federal, state, or local criminal justice agency.

CRJ 495 Capstone Project in Criminal Justice

3 credit

Prerequisite: CRJ 101

The capstone project includes an individual research, design, and implementation project chosen by each student. Projects will be approved by the faculty member leading the capstone course. The expectation is that this would be a significant project acting as a capstone for their criminal justice leadership education. Depending on the student's interest, there may be more of a research and writing aspect to the work or possibly more design and implementation of software. The projects would be structured with various deliverables during the semester and culminating with a colloquium at the end of the semester. The particular content of each presentation would be agreed upon in advance by each student (or sub-group) and the professor. The professor will arrange for

each of the students taking the senior seminar to give presentations preferably at the end the term to the cohort, seminar groups, and any other interested faculty and students.

CYT CYTOTECHNOLOGY

CYT 470 Cytotechnology Clinical I

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in the School of Cytotechnology. Successful progress in the clinical program will be indicated by submission of transcripts or verification in writing by the School of Cytotechnology program director. These credits will be part of the 32-credit professional training in cytotechnology required for the bio-cytotechnology program. (CR/NC grade only)

CYT 475 Cytotechnology Clinical II

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in the School of Cytotechnology. Successful progress in the clinical program will be indicated by submission of transcripts or verification in writing by the School of Cytotechnology program director. These credits will be part of the 32-credit professional training in cytotechnology required for the bio-cytotechnology program. (CR/NC grade only)

CYT 480 Cytotechnology Clinical III

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in the School of Cytotechnology. Successful progress in the clinical program will be indicated by submission of transcripts or verification in writing by the School of Cytotechnology program director. These credits will be part of the 320credit professional training in cytotechnology required for the bio-cytotechnology program. (CR/NC grade only)

DMS DIAGNOSTIC MEDICAL SONOGRAPHY

DMS 380 Diagnostic Medical Sonography Clinical I

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved diagnostic medical sonography clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in diagnostic medical sonography required for the BS degree. Students will receive a grade of "CR" for maintaining successful progress in the clinical program.

DMS 390 Diagnostic Medical Sonography Clinical II

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved diagnostic medical sonography clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in diagnostic medical sonography required for the BS degree. Students will receive a grade of "CR" for maintaining successful progress in the clinical program.

DMS 395 Diagnostic Medical Sonography Clinical III

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved diagnostic medical sonography clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in diagnostic medical sonography required for the BS degree. Students will receive a grade of "CR" for maintaining successful progress in the clinical program.

DMS 400 Diagnostic Medical Sonography Clinical IV

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved diagnostic medical sonography clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in diagnostic medical sonography required for the BS degree. Students will receive a grade of “CR” for maintaining successful progress in the clinical program.

DMS 410 Diagnostic Medical Sonography Clinical V

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved diagnostic medical sonography clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in diagnostic medical sonography required for the BS degree. Students will receive a grade of “CR” for maintaining successful progress in the clinical program.

DMS 415 Diagnostic Medical Sonography Clinical VI

6 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved diagnostic medical sonography clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in diagnostic medical sonography required for the BS degree. Students will receive a grade of “CR” for maintaining successful progress in the clinical program.

ECE EARLY CHILDHOOD–ELEMENTARY EDUCATION

ECE 101 Child Development

3 credits

An interrelated study of the physical, affective, social, cognitive, and moral growth of children from prenatal through middle childhood. Content is presented chronologically to develop understanding from various research sources and the major theorists.

ECE 102 Early Childhood Programs and Practices

2 credits

This course examines components of high quality inclusive early childhood programs and environments that enhances learning. Classroom management and guidance strategies that support children’s safe and healthy development are explored. Theories of play as the main vehicle by which young children assimilate their experiences with the world are emphasized.

ECE 201 Foundations of Early Childhood Education

3 credits

Prerequisite: ECE 101

This course is an introduction to early childhood education. Historical, psychological, social, and philosophical foundations are examined and provide a base for evaluation of contemporary programs.

ECE 301 Teaching Young Children with Special Needs

3 credits

Prerequisite: EDU 201, EDU 290, SPE 313

This course is designed to give early childhood educators the needed expertise to teach young children with special educational needs, who are included in regular early childhood settings. It focuses on identifying the needs of those children and adapting early childhood curriculum and methodology in response to an extended range of individual differences.

ECE 302 Methods of Teaching the Young Child

3 credits

Prerequisites: ECE 201, EDU 290

Examines the curriculum content of early childhood education programs and identifies developmentally appropriate teaching methodology. Focus is on designing and implementing a comprehensive education program: child assessment, curriculum design, learning activities and materials, classroom organization, instructional techniques, behavior management, and program evaluation. Students develop skills by creating a thematic unit and teaching lessons in a supervised setting. Includes a 10 hour field experience.

ECE 312 Organization and Administration of Early Childhood Programs

3 credits

Prerequisites: ECE 201

An exploration of aspects of establishing and administering early childhood programs: needs assessment, program development, state and local regulation, financing, organizational structure, personnel management, environmental design, evaluation methods, and current issues.

ECE 401 Clinical Practice and Seminar – Pre-Kindergarten or Kindergarten

3–6 credits

A supervised classroom teaching experience that provides an opportunity for practical application of educational theory and research related to licensure grade level. Students are placed in either a pre-kindergarten or kindergarten setting. The seminar is designed to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication and classroom management.

ECO ECONOMICS

ECO 201 Macroeconomics

3 credits

Prerequisite: MAT 100 or MAT 105 or MAT 111 or MAT 122 or MAT 130 or appropriate math placement test score

An introduction to the overall functioning of an economic system with a view toward understanding the factors underlying income, employment, and prices on the aggregate level. Topics include such monetary and fiscal policies as suggested by the relevant theories discussed.

ECO 202 Microeconomics

3 credits

Prerequisite: MAT 100 or MAT 105 or MAT 111 or MAT 122 or MAT 123 or MAT 130 or appropriate math placement test score

An introduction to the principles underlying the behavior of business firms, resource owners, and consumers within a system of price-making markets. Introduces the theory of value and distribution.

ECO 301 Managerial Economics

3 credits

Prerequisite: ECO 202, BUA 210 or MAT 122

Economic analysis for business decision-making. Topics discussed include: demand, elasticity and profitable pricing, cost and output decisions, statistical analysis of demand and costs, forecasting markets, and long-run vs. short-run profit analysis.

EDR RELIGIOUS EDUCATION

EDR 231 Introduction to Religious Education

3 credits

Prerequisites: PHI 132 and THE 101

An examination of the various models of religious education today through study of the works of past and contemporary theologians and religious educators. Attention is given to particular issues of religious education, such as moral issues, dialogue, multicultural considerations and the utilization of the arts. The course gives attention to the role of religious educators and implications for religious education today.

EDR 302 Religious and Ethical Development

3 credits

Prerequisites: PHI 132 and THE 101

A study of how people develop their religious and ethical sensibilities and how those sensibilities affect how people respond to contemporary religious and ethical issues. Rooted in the work of theologians and educational theorists, this course facilitates critical analysis of contemporary religious and ethical issue and helps students decide how to solve such issues.

EDR 332 Interreligious and Interfaith Dialogue

3 credits

Prerequisite: THE 101

Dialogue between Christians, Jews, and Muslims has become increasingly important in the 21st century. What are these faith traditions, what are their basic beliefs and sacred texts (and the prejudices and stereotypes that accompany them), and how do

people who align themselves with these traditions worship? These questions are examined through the practice of genuine dialogue that fosters unity, validation, and work for the common good. In this way, students can understand their own religious tradition more deeply in relation to other traditions. The practicality of interreligious and interfaith work is considered. This course is both theoretical and experiential, requiring students to visit a synagogue, church, and mosque outside of class sessions.

EDR 350 Holocaust and Genocide: Religious Perspectives

3 credits

Prerequisites: THE 101

Prerequisite or Corequisite: PHI 132

A theological and historical study of the Holocaust and contemporary genocide. Within an historical framework that considers the political nature of the Holocaust and other genocides, this course helps students study the theological precursors to the Holocaust and to contemporary genocides, what religious leaders did or did not do during the crises, and what religious people ought to do to prevent future atrocities. Students visit the Jewish Museum in Milwaukee or the Illinois Holocaust Museum as part of the class.

EDR 380 Jewish-Christian Relations

3 credits

Prerequisite: THE 101

What is the relationship between Christians and Jews? What has been the development in Christians' understanding of Jews and Judaism over the years? This course addresses these questions by examining the history of the relationship between Christians and Jews, from the first century through contemporary times. Stereotypes and prejudices found in past and present literature, media, and world events are analyzed and broken down. The nature and practice of genuine dialogue are central to this course. For students interested in religious education, this course offers further consideration to educational implications of Jewish-Christian relations and how students can teach about Jews, Judaism, the Holocaust, and scriptural texts. For other students, this course allows for the development of an understanding and appreciation of another religious tradition than one's own. The course is both theoretical and experiential. THE 327 (Vatican II) is highly recommended, but not mandatory, before taking this course.

EDR 385 Religious Education Curriculum

3 credits

Prerequisites: PHI 132 and THE 101

A study of religious education curriculum as it takes form in (1) Kerygma (proclamation); (2) Didache (teaching); (3) Leitura (prayer); (4) Koinonia (community); and (5) Diakonia (service). Topics include religious education curriculum's theological foundations, its sources, and its null curriculum (what ought to be addressed but is not). Observation of and/or participation in a religious educational setting (church, hospital, school, prison, etc...) is required.

EDR 404 Special Topics

1–3 credits

Prerequisite: THE 101

A treatment of particular theological and/or religious education questions chosen because of special relevance or student interest.

EDR 497 Internship

1–3 credits

Prerequisite: THE 101

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. This experience ultimately serves to directly tie students' academic coursework to non-academic professional experiences.

EDU PROFESSIONAL EDUCATION

EDU 010 Field Experience One

½ credit

(Admission to Field Experience)

Corequisite: EDU 200, EDU 202

An initial field-based experience focused primarily on observation. Seminars provide the student opportunities to: 1) reflect on observations and classroom experiences, 2) to be introduced to lesson planning, issues in classroom management, and conflict resolution, 3) to be introduced to the InTASK Teacher Standards and the use of these standards for professional goal setting, 4) develop a portfolio for the admission to the School of Education.

EDU 015 Modified Field Experience One

0 credits

A field-based experience designed for students who have had experience in the classroom and are seeking licensure in a first or additional certification area, which primarily focuses on the needs of the individual student. Seminars provide a pedagogical base for the implementation of the Wisconsin Teacher Standards and the development of the related portfolio. (S/U grade only.)

EDU 020 Field Experience Two

½ credit

Prerequisite: EDU 010

A supervised field-based experience in which students begin to apply theory and teaching strategies learned in education courses to initial teaching experiences. Seminars provide supplemental opportunities for the student to link theory to practice, to continue the development and understanding of the InTASK Teacher Standards and the use of standards for goal setting and continue the development of lesson planning, issues in conflict management, and conflict resolution.

EDU 030 Field Experience Three

½ credit

Prerequisite: EDU 020

Prerequisite or corequisite: EDU 213

A supervised field-based experience in which content and pedagogies from advanced methods courses is applied to teaching experiences. Seminars provide students an opportunity to continue the development and understanding of the InTASK Teacher Standards and the use of standards for goal setting, lesson planning, issues in conflict management, and conflict resolution.

EDU 040 Field Experience Four

½ credit

Prerequisite: EDU 030

A supervised field-based experience which places greater emphasis on the integration of content and pedagogies. Seminars provide the student an opportunity to reflect and dialogue on the multiple facets of the teaching-learning situation, to continue the development and understanding of the InTASK Teacher Standards and the use of standards for goal setting, lesson planning, issues in conflict management, and conflict resolution.

EDU 100 Introduction to Education and Classroom Management

2 credit

Prerequisite or corequisite: EDU 010

An orientation to teaching as a profession and an overview of effective classroom management. Topics include the requirements for teacher licensure; the foundation and philosophical background of education in the United States; and issues and trends affecting education. Topics also include classroom management theories and techniques to analyze effective classroom management approaches.

EDU 101 Introduction to Education

3 credit

Introduction to the foundation and philosophical background of education in the United States, through examination of principles, policies, current trends, and history. An overview of the knowledge and performance skills needed to become an effective teacher, including a 10 hour field experience in a partner school classroom.

EDU 200 Technology in Education

3 credits

Corequisite: EDU 010, EDU 202

(For education majors only)

The course that examines the role technology in the classroom. This course is designed to emphasize the use of Web 2.0, Social Media, other technologies, and learning theories and educational research in the school setting. Students will be introduced to applications that may be used in the PK-12 educational settings. Students will also look at various ways to integrate the WI State Teacher Standards, Common Core Standards, and the National Educational Technology Standards (NETS) into the curriculum.

EDU 202 Psychology of Learning

3 credits

Corequisite: EDU 010, EDU 200

Prerequisite: EDU 101, PSY 105

Focuses on the educational implications of psychological principles and theories of child and adolescent development derived from research. The application of theories and principles will emphasize components of the teaching–learning situation.

SPE 213 Educating Exceptional Children

3 credits

Prerequisite: EDU 290

Addresses the characteristics of exceptional children and introduces successful inclusive teaching practices. Topics covered may include disability conditions, gifted and talented, legislation, collaboration, planning, assessment, response to intervention, and diversity. Includes a 20 hour field experience.

EDU 290 Introduction to Clinical Practice

3 credits

Prerequisite: EDU 101

Introduces and begins to develop foundational skills for clinical practice such as lesson planning, instructional approach, assessment, integrating technology, and classroom management. Students will plan and deliver micro-lessons and engage in reflective practice. This course includes a 20 hour field experience.

EDU 3XX Developing as a Paraprofessional

3 credits

Prerequisite: EDU 290

A comprehensive examination of the work of paraprofessionals in education, using state and national standards for highly qualified paraprofessionals as the guiding framework.

EDU 301 Intercultural Studies for Educators

3 credits

Prerequisite: EDU 202

Critical examination of factors that impact student learning, ie: sexual orientation, gender, religion, socioeconomic, language, and age. Forces of discrimination in schools are evaluated. Particular attention is given to critical race theory, educational equity, and critical social justice theory. American Indian culture is studied. Students have opportunities to develop relationships with people from various cultural backgrounds. Includes a 10 hour field experience.

EDU 390 Pre-Clinical Practice

3 credits

Prerequisite: Department Consent

Pre-student teaching clinical experience for all teacher education candidates. Students complete a 60-hour field experience, under the supervision of the cooperating teacher. Students apply and analyze instructional methods, assessment alternatives, reading strategies, technology integration, co-teaching and collaborative methods, through teaching experiences and reflective practice.

EDU 405 Educational Studies Practicum

3-6 credits

Prerequisite: Department Consent

Students engage in working and learning experiences off campus in education-related roles corresponding to one of the following Educational Studies: Early Childhood, Paraprofessional, or Religious Education. Each student's practicum experience is developed in conjunction with the faculty advisor and College of the Professions Director of Clinical Placements.

EDU 412 Educational Measurement and Assessment

3 credits

A critical appraisal of formal and informal teacher-directed evaluation ranging from standardized tests to authentic assessment. Emphasis is placed on the evaluation process and interpretation of test results.

EDU 490 Clinical Practice Seminar

1 credits

Prerequisite: Department Consent

Pedagogical theories are applied to authentic learning environments. Students compile comprehensive work samples for planning, instruction, and assessment. Student teaching experiences are shared with peers in a supportive manner.

EDU 498 Clinical Practice

1-12 credits

Prerequisite: Department Consent, Acceptance into Clinical Practice

Students engage in the practical application of educational theory and best practice during a full semester of student teaching that is developmental in scope and sequence, and corresponding to the student's licensure program(s). Under the supervision of a cooperating teacher and college supervisor, the teacher candidate will assume full responsibility for planning lessons, delivering instruction, and assessing student learning.

EME ELEMENTARY–MIDDLE EDUCATION

EME 206 Health and Physical Education Curriculum and Methods

2 credits

A course designed to help the student gain an understanding of health and physical education curriculum and instruction at the elementary school level. It provides an overview of planning, organization, management, and assessment of developmentally appropriate content and methodology. Laboratory experiences will provide the student practice in instructional methods and techniques.

EME 302 Integrating Fine Arts in Education

3 credits

Prerequisite: EDU 101

Introduces elementary education candidates to the knowledge and skills needed to integrate visual arts, drama, music, human movement and physical activity in the elementary curricula to enhance student learning. Emphasis is placed on the educational, communicative, and aesthetic value of visual arts and the role the arts plays in promoting students' ability to express themselves creatively.

EME 303 Primary Reading: Teaching and Assessment

3 credits

Reading is a complex process that is best developed through both holistic and systematic methods. This course is intended to provide an overview of early reading and writing instructional strategies in word recognition, including phonemic awareness and phonics, vocabulary development, and comprehension. It was designed to encompass both the theoretical and practical aspects of learning how to teach and assess reading in pre-kindergarten, kindergarten, and primary grade classrooms. Includes a 10 hour embedded field experience.

EME 304 Intermediate Reading: Teaching and Assessment

3 credits

Prerequisite: EME 303

Designed for teachers of intermediate or early adolescent students. Emphasis will be placed on a developmental approach to teaching reading which uses a balanced approach to meeting the needs of the students. Strategies for teaching fluency, vocabulary and word study, and comprehension will be studied to enable learners to become independent and competent readers. The reading/writing connection will be expanded upon. Assessment and evaluation will be taught as a means to inform instruction. Includes a 20 hour embedded field experience.

EME 306 Music Curriculum and Methods

2 credits

Prerequisite: MUS 101 or MUS 200 or MUS 202 or MUS 203 or MUS 205 with a grade of C or better

A course to prepare early childhood and elementary–middle education majors to teach music in the classroom through study of the musical needs of the child: singing, moving, playing classroom instruments, listening, and creating.

EME 311 Art Curriculum and Methods in Early Childhood, Elementary, and Middle Schools

2 credits

Prerequisite: ART 103 with a grade of C or better

A course that provides students with an opportunity to apply experiences gained in ART 103 and to apply learning theories of art education to the aesthetic dimension of education. Education majors gain insight into the importance of art education, into past and

present art education perspectives and into the implementation of quality art lessons. These insights, along with in-class practice, develop competence in art instruction at early childhood, elementary, and middle-school levels.

EME 312 Language Arts Curriculum and Methods

3 credits

Prerequisite: EDU 290

Students study the development of written and oral language for children from birth through early adolescence. Students explore the socio-cultural, practical, and political aspects of language arts instruction including the reciprocal nature of reading and writing. Topics include oral and written language development, methods of teaching and assessing writing, grammar instruction, and the role of children's literature within language arts instruction. Includes a 10 hour embedded field experience.

EME 316 Mathematics Curriculum and Methods

3 credits

Prerequisite: MAT 150, MAT 151 with a grade of C or better

A course that provides students with experiences using methodologies recommended for the effective teaching of mathematics. Students evaluate mathematics curricula and supplementary materials using specific assessment tools. Students review mathematics theory and content necessary for teaching early childhood, elementary, and middle school levels.

EME 318 Intermediate Mathematics Curriculum and Methods

3 credits

Prerequisite: MAT 150, MAT 151, EME 316 with a grade of C or better

Major concepts, procedures, and reasoning processes related to number systems, number sense, geometry, measurement, statistics, probability and algebra are examined. Candidates are exposed to the selection and use of a wide range of manipulatives, and instructional resources to support the teaching of mathematics. Candidates learn to promote all students' abilities to apply, interpret, and construct mathematical thinking skills. This course includes 10 hours of field experience.

EME 322 Social Studies Curriculum and Methods

3 credits

Prerequisite: HIS 101; HIS 102 or HIS 111 or HIS 112; and POS 205 with a grade of C or better

A course that explores the disciplines that comprise the social studies core and also stresses the importance of addressing environmental issues. Students study a variety of methodologies and materials and have opportunities to teach social studies lessons, and discuss value clarification processes, questioning techniques, and current issues and social studies education.

EME 332 Science Curriculum and Methods

3 credits

Prerequisite: BIO 104 or BIO 100 and BIO 150; and PHS 102 or PHS 108 or PHS 110 or PHS 201 or CHE 101 with a grade of C or better

This course gives students opportunities to peer-teach science lessons using inquiry and process-oriented methodologies. They evaluate science curricula and materials using specific criteria, and review physical, biological and earth science content necessary for teaching for the early childhood, elementary, and middle school grades.

EME 420 Clinical Practice and Seminar – Elementary – Grades 1–6

6 credits

(Early childhood majors only)

A supervised teaching experience at the elementary level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication and classroom management.

EME 430 Clinical Practice and Seminar – Elementary – Grades 1–8

1–12 credits

A supervised teaching experience at the elementary/middle school level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication and classroom management.

EME 450 Clinical Practice and Seminar – Minor

3–6 credits

A supervised teaching experience in an academic content area at the middle level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication and classroom management.

ENG ENGLISH

ENG 001 Basic Writing

3 credits

An intensive study of the writing process and of the most difficult features of standard edited English. Students develop their skills in invention, organization, revision, and proofreading. They learn the conventions of Standard English concerning sentence boundaries, agreement of subjects and predicates, verb forms, contractions, possessives, agreement of pronouns, commas, and spelling. (This course is a pre-college level course and does not fulfill degree requirements.)

ENG 103 Literary Magazine

0–1 credits

Students gain experience working on the publication of a literary magazine, with the opportunity to serve in a number of capacities: writing, producing artwork, reviewing and selecting submissions, and organizing layouts and design. ("0" credit receives CR/NC grade.)

ENG 105 Expository Writing

3 credits

Prerequisite: Appropriate English placement test score or ENG 001.

A course designed to enhance students' composition and critical thinking skills, by providing experiences with a range of writing strategies. This course will focus primarily on the writing of clear and thoughtful expository prose, as well as the identification and use of the rhetorical modes of development: narration, description, definition, division, classification, process analysis, comparison/contrast, cause/effect, and evaluation/analysis. Further, this class requires students to demonstrate their understanding of these rhetorical modes and their skill in employing them. Students develop their awareness of the resources of language and of the stages in the writing process. The course aims to make students competent in standard edited English and to prepare them for the writing they will do in college and in their careers.

ENG 106 Argumentative and Research Writing

3 credits

Prerequisite: ENG 105 or appropriate English placement test score

A course introducing students to the principles of college research, with emphasis on analytical reading of research material, focused use of sources, and the methodology of citation and documentation. This course will focus primarily on the translation of critical reading and critical thinking into critical writing by reinforcing and expanding upon the rhetorical modes, the foundational mechanics, and the composition skills taught in the expository writing course, as well as the critical-thinking, critical-reading and library skills introduced in the First-Year Seminar. In this class, students refine their awareness of the resources of language and of the stages in the writing process. The course aims to make students proficient in standard edited English and to prepare them further for the writing they will do in college and in their careers.

ENG 112 Introduction to Literary Genres

1–3 credits

Prerequisite: ENG 105 or ENG 230

A genre-based study of short stories, drama, and poetry; the course focuses on applying tools of literary analysis to the interpretation of specific works in order to increase insight and pleasure. A wide variety of works is read, representing a diversity of cultures, contexts, and perspectives. Course objectives also include developing critical reading, thinking, and writing skills, and exploring the values-laden nature of literature.

ENG 121 Introduction to Poetry

3 credits

Prerequisite: ENG 105 or ENG 230

A genre-based study of poetry that focuses on applying tools of literary analysis to the interpretation of specific poems in order to increase insight and pleasure. Close reading of poetry, with attention to formal elements, will provide the students with an introduction to major poets and styles. A wide variety of works is read, representing a diversity of cultures, contexts and

perspectives. Course objectives also include developing critical reading, thinking and writing skills and exploring the values-laden nature of literature.

ENG 122 Introduction to Fiction

3 credits

Prerequisite: ENG 105 or ENG 230

A genre-based study of fiction; the course focuses on applying tools of literary analysis to the interpretation of specific works in order to increase insight and pleasure. A wide variety of works is read, representing a diversity of cultures, contexts, and perspectives. Course objectives also include developing critical reading, thinking, and writing skills, and exploring the values-laden nature of literature.

ENG 123 Introduction to Drama

3 credits

Prerequisite: ENG 105 or ENG 230

A genre-based drama course; the course focuses on applying tools of literary analysis to the interpretation of specific works in order to increase insight and pleasure. A wide variety of works is read, representing a diversity of cultures, contexts and perspectives. Course objectives also include developing critical reading, thinking and writing skills, and exploring the values-laden nature of literature.

ENG 125 Introduction to Film

3 credits

Prerequisite: ENG 105 or ENG 230

This course focuses on developing a greater awareness of and appreciation for film by analyzing its artistic properties, theories, cultural impact, and history while surveying different genres, directors, and movements.

ENG 201 British Literature I

3 credits

Prerequisite: ENG 105 or ENG 230

An examination of major early British writers, with a focus on the interplay of aesthetic, social and cultural values; the development of literary forms and traditions; and historical contexts. Students will be introduced to major authors of cultural significance.

ENG 202 British Literature II

3 credits

Prerequisite: ENG 105 or ENG 230

A wide-ranging investigation and analysis of British Romanticism, Victorianism, and Modernism. Students will be introduced to major authors of cultural significance. As with ENG 201, the course focuses on the interrelationships of aesthetic and cultural values, literary prose and historical contexts.

ENG 204 Special Topics

1–3 credits

Prerequisite: ENG 105 or ENG 230

An in-depth exploration of a significant approach to literary criticism or the work of a major literary figure.

ENG 205 Introduction to Literary Studies and the English Professions

3 credits

Prerequisite: ENG 106

This course serves as a gateway, providing English majors, prospective English majors, and English minors with critical tools to heighten and enhance their experiences in subsequent courses in the major and their careers. The course introduces students to critical theory and to a wide variety of critical approaches to literature, enabling them to read and interpret literature with greater insight and discernment. Students also deepen their understanding of key literary periods and movements and become more knowledgeable of developments in the evolution of significant literary genres and sub-genres. Students will also gain an appreciation for the relevance and practical applications of literary studies in personal and professional development.

ENG 210 Spring Play

1 credit

An opportunity for students to be substantially engaged with the spring play as actors, directors, stage managers, or other backstage leaders during 4-6 weeks of rehearsal for 1-2 performances. Depending on role, each student should be prepared to commit roughly 4-7 hours per week.

ENG 211 American Literature I

3 credits

Prerequisite: ENG 105 or ENG 230

A study of American literature from its beginning to the Civil War, tracing the development of American writing in its cultural contexts. In lectures and discussions, students are introduced to a broad range of critical methods for approaching major American authors.

ENG 212 American Literature II

3 credits

Prerequisite: ENG 105 or ENG 230

A continuation of ENG 211, tracing the evolution of American literature from the Civil War to early Postmodernism in the contexts of the social and intellectual forces that shaped it, including the impact of minority writers. In lectures and discussions, students consider critical approaches to the rise of realism, naturalism, modernism, and the beginnings of postmodernism in American letters.

ENG 216 Contemporary Women's Literature: Emerging Voices

3 credits

Prerequisite: ENG 105 or ENG 230

A topical study of literature written by women, dealing with contemporary issues and concerns. This course will focus on fiction and nonfiction texts as they are emerging in modern and contemporary times. Discussion will center upon language, form, and themes as they relate to women. The course remains open-ended, in that any specialized concerns of class members will be welcomed as texts are chosen.

ENG 217 Evolution of Women's Literature

3 credits

Prerequisite: ENG 105 or ENG 230

A survey of the evolution of women's literature. The course will focus upon literature of the Middle Ages and Renaissance, 17th and 18th centuries, 19th century and turn of the century, and Modernist and Contemporary eras written by female authors. This material will be integrated across genres and geographical contexts.

ENG 220 World Literature I

3 credits

Prerequisite: ENG 105 or ENG 230

A study of major writers of Europe, Africa, Asia, and the New World, with emphasis on writers of international stature and influence. The course offers students a broad perspective on literary history from classical times to the 17th century. A chronological survey of significant work leads to discussion of problems in the historical examination of literature: the definition of movements, the relationships between society and literature, and the evolution of literary genres.

ENG 221 World Literature II

3 credits

Prerequisite: ENG 105 or ENG 230

A study of major writers of Europe, Africa, Asia, Latin America, and the United States, with emphasis on writers of international stature and influence. The course offers students a broad perspective on literary history since the 17th century. A chronological survey of significant work leads to discussion of problems in the historical examination of literature: the definition of movements (such as neoclassicism, romanticism, realism), the relationships between society and literature, and the evolution of literary genres.

ENG 222 Business Communications

3 credits

An application of contemporary communication theory to practical business situations, and an application of traditional rhetoric and communication theory to oral presentations. Students study communication theory; practice basic forms of business writing; write, deliver, and evaluate public speeches; and explore communication systems in modern corporations.

ENG 225 Mythology

3 credits

Prerequisite: ENG 105 or ENG 230

A study of important myths and legends from a variety of times and places, with emphasis on writers and works that have influenced Western thought, arts, and culture. Using methods of formal and structural analysis, students will study works of literature, such as epics, plays, and poetry that employ mythological allusions and deal with universal symbols and themes.

ENG 230 Professional Composition and Research Writing

3 credits

(AGS students only)

A course designed to enhance students' composition and critical-thinking skills, by providing experiences with a range of writing strategies, with emphasis on expository and argumentative prose. Students develop an awareness of the resources of language and of the stages in the writing process. The course aims to help make students more competent in standard edited English and to prepare them for the writing they will do in college and in their careers. The course also introduces students to the principles of college research, with emphasis on analytical reading of research material, focused use of sources, and the methodology of citation and documentation. It acquaints students with techniques of interviewing and conducting surveys, as well as with search strategies involving resources in print. The course provides guidance for students as they apply research principles to subjects within their disciplines or areas of interest.

ENG 250 Ethnic Minority Literature

3 credits

Prerequisite: ENG 105 or ENG 230

Students will analyze the work by ethnic minority writers in the United States. Doing so, they will examine the experiences of inequality, struggle, and triumph from diverse and often unheard voices.

ENG 301 Creative Writing

3 credits

Prerequisite: ENG 105 or ENG 230

An introduction to the techniques of writing poetry, fiction, and drama. The course is taught as a workshop, with repeated presentation and discussion of works in progress. (repeatable for credit).

ENG 302 Shakespeare

3 credits

Prerequisite: ENG 105 or ENG 230

A survey of Shakespeare's major plays. While the emphasis is on close study of the individual works, students also consider Shakespeare's artistic development and the plays' historical contexts.

ENG 304 Modern and Contemporary American Literature

3 credits

Prerequisite: ENG 105 or ENG 230

An intense exploration of a wide variety of literature of modern and contemporary America, focusing on acclaimed authors, stylistic trends, thematic patterns, and a diversity of voices. This examination of the rich American literary tradition is used to gain deeper insight into the role of literature as an expression of a society's values and/or as a challenge to the values of the status quo.

ENG 306 Bible as Literature

3 credits

Prerequisite: ENG 106

Introduction to applying literary analysis to The Bible by exploring the historical context, narrative devices, poetic structure, and symbolism of the scriptures.

ENG 310 African-American Literature

3 credits

Prerequisite: ENG 105 or ENG 230

A generally chronological survey of African-American literature from its inception to the present time. The course is designed to include a diversity of themes, styles, authors and values. Students are challenged to examine their own attitudes and understanding regarding the relationship of African-American literature to American literature and culture as a whole.

ENG 312 Advanced Composition

3 credits

Prerequisite: ENG 105 or ENG 230

A study of professional expository prose focusing on all aspects of the writing process, various types of writing, the importance of context, and the central role of audience awareness. Students write extensively and work with examples from business, government, and academic writing to perfect their skills.

ENG 313 Advanced Study of Grammar

1 credit

A course that refines students' skills in all facets of grammar, punctuation, and mechanics necessary for personal and professional success. While the course presents the principles and structures underlying standard edited English, the focus is on students' application of those principles in their own writing.

ENG 314 Modern and Contemporary British Literature

3 credits

Prerequisite: ENG 105 or ENG 230

An intense exploration of a wide variety of literature of modern and contemporary Britain, focusing on acclaimed authors, stylistic trends, thematic patterns, and a diversity of voices. This examination of the rich British literary tradition is used to gain deeper insight into the role of literature as an expression of a society's values and/or as a challenge to the values of the status quo.

ENG 315 Literature and Film

3 credits

Prerequisite: ENG 106

Study of literature and its relationship to film. Students will analyze literature that has been adapted to film, using cinematic terminology and theories of adaptation. This course has variable topics depending on the instructor's educational background. Some offerings may focus on classic literature adapted to film while other offerings may focus on contemporary works.

ENG 320 Studies of the Novel

3 credits

Prerequisite: ENG 105 or ENG 230

A close reading of novels of various lengths that focuses on the understanding of, appreciation for, and enjoyment of the novel as a distinct literary genre with incorporation of secondary criticism and theory. While the specific works read vary from one semester to the next, students generally will explore and discuss significant works from the inception of the novel to the present.

ENG 321 Detective Literature

3 credits

Prerequisite: ENG 106

The course leads students in reading and discussing detective novels, short stories and plays representing different historical periods, nations and cultures. Since detective literature rewards a close reading and celebrates the powers of observation, it offers an excellent opportunity to critically examine literary elements encountered in all literature courses.

ENG 322 Russian Literature

3 credits

Prerequisite: ENG 106

An exploration of the literature of Russia, from early epics through the masterpieces of the 19th century to the works of the mid-20th century émigré population.

ENG 324 Modern and Contemporary World Literature

3 credits

Prerequisite: ENG 105 or ENG 230

An intense exploration of a wide variety of literature of the modern and contemporary world, focusing on acclaimed authors, stylistic trends, thematic patterns and a diversity of voices. This examination of the rich worldwide literary tradition is used to gain deeper insight into the role of literature as an expression of a society's values and/or as a challenge to the values of the status quo.

ENG 335 Postcolonial Literature

3 credits

Prerequisite: ENG 106

Study of major theories and texts of postcolonial literature to examine issues of colonialism, imperialism, and identity politics of gender, race, sexual orientation, and language.

ENG 360 Postmodern and Experimental Literature

3 credits

Prerequisite: ENG 106 or ENG 230

An exploration of contemporary literature that focuses on major authors and trends within postmodernism, and experimental writing. Key elements of postmodern writing, including play, meta-texts, genre-bending, and hybrid forms, will be foregrounded through readings as well as student assignments. Postmodernism will be discussed as a contested term, and an aesthetics that responds to previous movements and writers, as well as collapses cultural distinctions between high and low.

ENG 375 Advanced Study of Language, Grammar, and Rhetoric

3 credits

Prerequisite: ENG 106

Students become more aware of principles and issues in grammar, linguistics, and rhetoric, particularly as they unfold historically, and apply this enhanced awareness to the development of their own writing. The course examines the stylistic elements of writing aimed at different discourse communities, including academic and business audiences, with emphasis on developing adaptability, expressiveness, and polish in students' own writing.

ENG 397 Internship

1–3 credits

Students earn academic credit for internship work experiences as they test career choices, improve work skills and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

ENG 402 Literary Criticism and Advanced Genre Studies

3 credits

Prerequisite: ENG 105 or ENG 230

Through the study of literary theories and schools of criticism, students deepen and consolidate their knowledge of literary genres, traditions, and terminology. Students reflect upon and refine their own prose by reading and discussing works in which influential writers examine aspects of the writing process. Research and analytical skills are also strengthened as students compose papers — shared in a seminar setting — in which they apply critical theories to specific works of literature.

ENG 404 Special Topics

1–3 credits

Prerequisite: ENG 105 or ENG 230

An in-depth exploration of a significant approach to literary criticism or the work of a major literary figure. Recent course offerings have included Literature of the Avant-Garde and Contemporary Literary Theory.

ENG 406 Seminar in Fiction Writing

3 credits

Prerequisite: ENG 105 or ENG 230

Students will investigate the techniques of composing short stories and other forms of fiction, research the stylistics of fiction, and present original works in a seminar setting.

ENG 408 Seminar in Poetry Writing

3 credits

Prerequisite: ENG 105 or ENG 230

Students will investigate the techniques of composing poems, research the stylistics of poetry, and present original works in a seminar setting.

ENG 412 Introduction to Language

3 credits

A survey of types of linguistic study, including phonology, morphology, semantics, and syntax. Students become more aware of the universal features of language, the history of the English language, social and political variations in language use, and theories and stages of child language acquisition. Applications are made to the students' vocational areas in papers that are shared in a seminar setting.

ENG 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

ENG 432 Rhetorical Theory and Application

3 credits

An introduction to major contemporary and historical rhetorical theory, with a focus on the application of those theories in contemporary communication situations. Theorists discussed range from the sophists, Plato, Aristotle, Cicero, Quintilian, and Augustine, to Richards, Booth, Kenneth Burke, Lukacs, Barthes, Derrida, and DeMan. Areas of discussion are extremely broad, including classical, practical, elocutionary, belletristic, psychological, epistemological, situational, Marxist, pragmatic, feminist, and deconstructionist criticism of discourses of public and private institutions, business, religion, contemporary mass culture, social movements, politics, discussions of war and technology, issues of class, the arts, and gender-related communication.

ENG 495 English Research Capstone

3 credits

Prerequisites: ENG 106, ENG 205

The English Capstone course will allow students to reflect on their past work in English and prepare for graduate study or the job market. The class will integrate literary criticism, primary theoretical texts, and a student-directed final paper or research project. In addition, students will compile a portfolio of selected pieces of their work as an English major to be submitted to the English department for assessment purposes. Course will run as a small seminar or independent study, depending on student and department needs.

ENG 497 Internship

1–3 credits

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

ESS EXERCISE AND SPORT SCIENCE

ESS 110 Sport Theory: Basketball

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 111 Sport Theory: Football

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 112 Sport Theory: Ice Hockey

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 113 Sport Theory: Soccer

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 114 Sport Theory: Volleyball

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 115 Sport Theory: Baseball

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 116 Sport Theory: Softball

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 117 Sport Theory: Tennis

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 118 Sport Theory: Golf

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 119 Sport Theory: Track and Field

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 120 Sport Theory: Officiating

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 121 Sport Theory: Weightlifting

1 credit

Theory and techniques, training schedules, strategy, coaching methods, and conditioning.

ESS 200 Introduction to Exercise and Sport Science

1 credit

Introduction to the fields and career opportunities in exercise science, kinesiology, health, and wellness.

ESS 205 Health, Safety, and First Aid

2 credits

A survey course designed to promote self-responsibility and a holistic approach to wellness and illness. Emphasis is placed on wellness planning and contemporary health issues. Course will also include instruction and practice in First Aid principles, procedures, and emergency care.

ESS 210 Principles of Coaching

2 credits

Practical and relevant information appropriate for beginning and experienced coaches at all age levels.

ESS 320 Current Issues in Sport

2 credits

This course will examine the administrative structure, organization, culture and presentation of sport as entertainment in America. Particular focus will be placed on the continental, global, social and economic expansion of professional-collegiate-international and community based programs and, the catalyst that contribute to the issues and controversies that are inherent in each of the above mentioned domains.

ESS 325 Sociology of Sport

3 credits

A sociological examination of the rise of sport in contemporary society. Topics such as the social organization of sports, women and sports, sports and violence, inter-scholastic sports and achievement behavior, discrimination and sports, and the future of sports are covered.

ESS 330 Prevention, Care and Treatment of Athletic Injuries

3 credits

Prerequisites: ESS 205

Cause, treatment, and prevention of injuries common to athletic activities; taping, bandaging; discussion of rehabilitation, conditioning, and variable factors of athletic performance levels.

ESS 340 Exercise Physiology

3 credits

Prerequisites: ESS 200, ESS 330

Focuses on the functional changes brought by acute and chronic exercise sessions. Topics include muscle structure and function, bioenergetics, cardiovascular and respiratory adaptations, exercise training for sport, sport nutrition, ergogenic aids, and other health and fitness topics.

ESS 345 Biomechanics

3 credits

Prerequisites: ESS 200, ESS 330

A study of the anatomical and mechanical bases of human movement and its application to skill analysis in exercise science.

ESS 350 Organization and Administration of Athletics

3 credits

Prerequisites: ESS 320

An analysis of the principles and patterns of organization and administration encountered in physical educations, intramurals, and interscholastic athletic programs. Mission and objectives, purchase and care of equipment, budgeting and fund raising, legal issues and safety, public relations, facility design and maintenance, leadership/supervision are among the topics discussed.

ESS 414 Independent Study

1-3 credits

A student-designed learning experience which is submitted in proposal form to an exercise and sport science faculty member in order to develop a mutually acceptable independent study plan. This faculty-guided experience allows students of superior ability to pursue a topic of interest not available through regular courses.

ESS 420 Principles of Strength Training and Conditioning

3 credits

Prerequisites: ESS 320

Theory and practice in development and administration of comprehensive strength and conditioning programs for both the athlete and individual of any level. Includes knowledge, safety concerns and skill techniques necessary for teaching and administering any strength and conditioning facility.

ESS 421 Exercise Prescription

3 credits

Prerequisites: ESS 200, ESS 340, ESS 345

Theory and practical aspects of exercise testing and prescription; topics include testing of strength, endurance, cardiovascular endurance, flexibility, body composition, muscle power, and balance with special considerations for arthritis, osteoporosis, dyslipidemia, immunology, and metabolic syndrome.

ESS 422 Strength Training Program Design

3 credits

Prerequisites: ESS 200

Program design as it applies to exercise and sport. The student will complete a comprehensive strength and conditioning manual.

ESS 423 Theories and Principles of Weight Management

3 credits

Prerequisites: ESS 200

Human nutrition as it specifically applies to exercise science. Specific needs for proteins, carbohydrates, fats, electrolytes and micronutrients.

ESS 430 Health and Wellness Leadership

3 credits

Prerequisites: ESS 200

This course provides instruction on the management aspects of fitness in health clubs and wellness settings. Topics will include staff training and supervision, scheduling, participant assessment, equipment selection, professional responsibilities, and program review.

ESS 431 Personal and Group Wellness

3 credits

Prerequisites: ESS 200

This course emphasizes methods in planning, designing, implementing, and improving health/wellness promotion programs. Client motivation, behavior change, and physical activity for special populations will be addressed.

ESS 432 Community Outreach and Health Promotion

3 credits

Prerequisites: ESS 200

Assess market opportunities in wellness services, programs, and facilities. Develop marketing and promotional strategies to increase the customer base, provide incentives for behavioral change and enhance revenues for wellness programs, services and facilities.

ESS 433 Psychological and Motivational Aspects of Sport

3 credits

Overview of psychological and motivational principles and their applications to individuals and groups in sport, exercise and/or therapy.

ESS 491 Coaching Practicum

1 credit

(Must be taken in the last semester before graduation.)

Practical and relevant information appropriate for beginning and experienced coaches at all age levels.

ESS 497 Exercise and Sport Science Internship

6 credits

(Must be taken in the last semester before graduation.)

Practical and didactic training in Exercise and Sport Science in an approved internship site, specific to the chosen concentration. Work will focus on chosen concentration. Internships must be preapproved by the program director.

FIN FINANCE

FIN 205 Personal Finance

3 credits

Prerequisite: MAT 100 or MAT 111 or MAT 130 or MAT 122 or BUA 210 or SWK 210 or appropriate math placement test score

Provide the student with the information needed to make sound personal financial decisions and manage personal financial assets wisely. Subjects covered include financial planning, budgeting, consumer purchasing decisions, income taxation, insurance and risk management, investing, and retirement and estate planning.

FIN 301 Fundamentals of Managerial Finance

3 credits

Prerequisites: ACC 201, ECO 201 or ECO 202

An introduction to the environment of financial management. It includes the analysis of financial statements for planning and control, corporate securities, working capital management, capital budgeting, and financing the short- and long-term requirements of the firm.

FIN 303 Money and Banking

3 credits

Prerequisites: ACC 201, ECO 201, ECO 202

In this course, students will study the structure of financial markets, financial institution management, regulation of financial markets and institutions, determination of interest rates, and the role of the Federal Reserve and monetary policy in the economy.

FIN 331 Principles of Insurance and Risk Management

3 credits

(Junior or Senior standing required)

This course will introduce the studies of Insurance and Risk Management. As to Risk Management, course participants will study risk identification, analysis, and management. Insurance will be studied from the perspective of a risk management tool and from the perspective of how insurers operate, what risks can be insured, and how the industry is regulated. Additionally, career opportunities in the insurance industry will be explored.

FIN 397 Internship

0.5 credits

Prerequisites: BUA 203, FIN 301, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience.

FIN 400 Investments

3 credits

Prerequisites: ACC 201, FIN 301

Construction and management of investment portfolios to meet the needs of personal and institutional investors; and selection of securities to balance income, risk, and capital growth.

FIN 401 Global Finance

3 credits

Prerequisite: FIN 301

This course emphasizes the increasing importance of the global integration of money and capital markets. Topics include, among others, global foreign exchange risk management, global equity markets, global risk diversification, direct foreign investment, and political risk management.

FIN 403 Advanced Computer Applications for Business

3 credits

Prerequisites: TEC 102 or TEC 200 and BUA 210 or MAT 122

(Also TEC 403)

This course deals with computer applications in quantitative management decision making at an advanced level. Students will utilize a variety of research tools to locate, analyze and evaluate information. It will investigate the use and application of computer technologies within organizations such as management support systems, decision support systems, and executive information systems. Hands-on application of front-end software, such as Microsoft Office, will be used to conceptualize, analyze, and develop technological solutions to practical business situations.

FIN 404 Special Topics

3 credits

Prerequisites: FIN 301

A study of selected topics offered at the discretion of the instructor. Open to qualified juniors and seniors who wish to do advanced work. Permission of instructor is required.

FIN 414 Independent Study

1–3 credits

Prerequisite: Permission

The course is independently developed for a particular student on a topic not covered in other courses. Substantial readings and a paper are required.

FIN 497 Internship

1–3 credits

Prerequisites: BUA 203, FIN 301, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience.

FLA FOREIGN LANGUAGE

FLA 110 Computer Applications in Foreign Languages

3 credits

Prerequisite: FRE 202 or GER 202 or SPA 202

An introduction to computer concepts and the specialized uses of computers in foreign language study and applications. Course emphasizes basic computer literacy and explores the range of software available to enhance foreign language acquisition, pedagogy, and research.

FLA 204 Special Topics

1–3 credits

Study of a genre, cultural topic, or specialized career application in foreign language.

FLE FOREIGN LANGUAGE EDUCATION

FLE 470 Foreign Language Curriculum and Methods (PK–12)

3 credits

This course provides students with opportunities to develop and practice skills related to linking theories about second language acquisition and teaching to classroom practice. The theoretical foundations of foreign language skill development, planning, assessment strategies, and an analysis of teaching of culture are the basis for classroom activities. Current developments of school foreign-language program models, the use of technology to support language teaching and career exploration, are also highlighted.

FOS FORENSIC SCIENCE

FOS 105 Survey of Forensic Sciences

1 credit

(Also CRJ 105)

Lecture/seminar course that has the goal of providing students a general introduction to the application of scientific knowledge to the purposes of the law. It will familiarize students with some of areas of science which are involved in the court process, particularly in criminal trials, and the role of the forensic criminalist in criminal procedure. Accordingly, this class will survey forensic criminalistics and prepare students for additional, more in-depth classes in criminalistics and forensic science.

FOS 300 Forensic Photography

3 credits

Prerequisite: CRJ 105 or FOS 105

Corequisite: FOS 350

Lecture studies of the general principals and concepts behind both basic and technical photography. The theoretical underpinnings of, techniques for, and applications of forensic photography will be examined. Topics include: the science behind photography, composition, exposure, focus, depth of field, flash techniques; and the challenges associated with crime scene, underwater, and aerial photography. Students will also learn how to properly document the various types of: crime scenes, evidence, bodies, wounds, and fingerprints. Additionally, they will learn how to prepare photographic reports and displays for court.

FOS 304 Rules of Evidence

3 credits

(Also CRJ 304)

Prerequisite: CRJ 101 or CRJ 102

This course is a study of the nature, types, and degrees of evidence used in criminal prosecutions. The course emphasizes the vital importance of "why" and "how" evidence handled by the forensic criminalists for proper presentation and administration into the trial in accordance with historical rule governing the admissibility of evidence in court. This includes the citizen-to-criminalist, criminalist-to-criminalist, and criminalist-to-prosecution chain of evidence rules. A basic legalistic criminalistics component will be stressed, which will examine the various analytical systems used in the evaluation of physical evidence which includes the correct identification, collection, and preservation of evidence.

FOS 305 Crime Scene Investigation

3 credits

Prerequisite: FOS 300

Corequisite: FOS 355

Lecture studies of how biology, chemistry, mathematics, and physics concepts and methods are used to recognize, locate, document, and recover evidence at various types of crime scenes. Topics and techniques relating to scene security, documentation, search procedures, chain of custody, and the recognition, recovery, and preservation of different classes of evidence will be discussed. Class discussions will examine and demonstrate how each specialty may be utilized during the course of a crime scene investigation.

FOS 350 Forensic Photography Lab

1 credit

Prerequisite: CRJ 105 or FOS 105

Corequisite: FOS 300

Laboratory studies of the general principals and concepts behind both basic and technical photography. The theoretical underpinnings of, techniques for, and applications of forensic photography will be examined. Topics include: the science behind photography, composition, exposure, focus, depth of field, flash techniques; and the challenges associated with crime scene, underwater, and aerial photography. Students will also learn how to properly document the various types of: crime scenes, evidence, bodies, wounds, and fingerprints. Additionally, they will learn how to prepare photographic reports and displays for court.

FOS 355 Crime Scene Investigation Lab

1 credit

Prerequisite: FOS 350

Corequisite: FOS 305

Laboratory studies of how biology, chemistry, mathematics, and physics concepts and methods are used to recognize, locate, document, and recover evidence at various types of crime scenes. Topics and techniques relating to scene security, documentation, search procedures, chain of custody, and the recognition, recovery, and preservation of different classes of evidence will be discussed. Class discussion and laboratory exercises will examine and demonstrate how each specialty may be utilized during the course of a crime scene investigation.

FOS 405 Forensic Sciences

3 credits

Prerequisite: FOS 305

Corequisite: FOS 455

Lecture continuation of FOS 305: Crime Scene Investigation-Lecture. Advanced topics and examination/interpretation techniques from the various forensic sub-disciplines will be discussed. Class discussion and laboratory exercises will examine and demonstrate how each specialty may be utilized during the course of a criminal investigation.

FOS 406 Detection and Recovery of Remains

2 credits

Prerequisite: FOS 355

Intensive survey of the detection, documentation, and recovery techniques associated with remains in an outdoor environment. Topics include: anthropology, archaeology, entomology, pathology, taphonomy, and technical photography.

FOS 407 Bloodstain Pattern Analysis

2 credits

Prerequisite: FOS 305

Corequisite: FOS 457

Lecture studies of bloodstain pattern recognition, identification, documentation and analysis. Topics include: photographic/schematic documentation, analysis/interpretation techniques, terminology, report writing, court displays and testimony.

FOS 408 Fingerprint Analysis

2 credits

Prerequisite: FOS 305

Corequisite: FOS 458

Lecture studies of basic and advanced fingerprint recognition, recovery, and analysis techniques. Topics include: physical/chemical recovery methods, terminology, documentation, report writing, peer review, and court exhibitions/testimony.

FOS 409 Advanced Forensic Photography

2 credits

Prerequisite: FOS 300

Corequisite: FOS 459

Lecture continuation of FOS 300 Forensic Photography. The theoretical underpinnings of, techniques for, and applications of more advanced forensic photography will be examined. Topics include: crime scene, examination quality, low-light, flash, painting-with-light, bloodstain, shooting incident, and ultraviolet and infrared photography. Students will also learn how to further document the various types of: crime scenes, evidence, bodies, wounds, and fingerprints. Additionally, they will learn how to better prepare photographic reports and displays for court.

FOS 412 Forensic Science Literature and Seminar

2 credits

Prerequisite: FOS 305

A seminar based on the reading of current forensic science literature and the presentation of research seminars. Students will also learn about the forensic job application process, and how to submit a research proposal and create/present a seminar.

FOS 455 Forensic Sciences Lab

1 credit

Prerequisite: FOS 355

Corequisite: FOS 405

Laboratory continuation of FOS 355: Crime Scene Investigation-Lab. Advanced topics and examination/interpretation techniques from the various forensic sub-disciplines will be discussed. Class discussion and laboratory exercises will examine and demonstrate how each specialty may be utilized during the course of a criminal investigation.

FOS 457 Bloodstain Pattern Analysis Lab

1 credit

Prerequisite: FOS 355

Corequisite: FOS 407

Laboratory studies of bloodstain pattern recognition, identification, documentation, and analysis. Topics include: photographic/schematic documentation, analysis/interpretation techniques, terminology, report writing, court displays, and testimony.

FOS 458 Fingerprint Analysis Lab

1 credit

Prerequisite: FOS 355

Corequisite: FOS 408

Laboratory studies of basic and advanced fingerprint recognition, recovery, and analysis techniques. Topics include: physical/chemical recovery methods, terminology, documentation, report writing, peer review, and court exhibitions/testimony.

FOS 459 Advanced Forensic Photography Lab

1 credit

Prerequisite: FOS 350

Corequisite: FOS 409

Laboratory continuation of FOS 350 Forensic Photography Lab. The theoretical underpinnings of, techniques for, and applications of more advanced forensic photography will be examined. Topics include: crime scene, examination quality, low-light, flash, painting-with-light, bloodstain, shooting incident, and ultraviolet and infrared photography. Students will also learn how to further document the various types of: crime scenes, evidence, bodies, wounds, and fingerprints. Additionally, they will learn how to better prepare photographic reports and displays for court.

FOS 497 Internship

1–3 credits

Prerequisite: FOS 455

(Be advised that applications and background checks similar to those required by law enforcement officers are likely to be a prerequisite for the internship and your future career.)

Practical work experience relevant to a career in forensic science is performed in a crime, private, and/or research laboratory, crime and/or death investigation unit, or other law enforcement agency approved by the student's major advisor.

FRE FRENCH

FRE 101 Elementary French I

3 credits

An introduction to the fundamentals of comprehending, speaking, reading, and writing French. The course provides the cultural background of the Francophone world.

FRE 102 Elementary French II

3 credits

Prerequisite: FRE 101

A continuation of FRE 101. This course continues to develop the basic skills of comprehending, speaking, reading, and writing French by providing live and meaningful situations with the cultural background of the Francophone world.

FRE 201 Intermediate French I

3 credits

Prerequisite: FRE 102

A continued development of competence in the basic language skills through intensified usage of grammar with practice in conversational role-playing, using topics of general and current interest of the Francophone world.

FRE 202 Intermediate French II

3 credits

Prerequisite: FRE 201 or appropriate French placement test score

A continuation of FRE 201, this course concludes basic French grammar with special practice in reading, introducing short stories concerning topics of general and current interest of the Francophone world.

FRE 204 Special Topics

1–3 credits

Prerequisite: FRE 102 or appropriate French placement test score

Intermediate level study of a literary, cultural, or linguistic topic or career-related application.

FRE 210 French African Novel

3 credits

Literature in English translation from Francophone African countries is used to explore universal and country-specific themes of the human condition. Literature will be framed in a context that explores historical influences, current implications, and future ramifications for the region and its place in our world. Novels include authors from Francophone sub-Saharan countries, as well as those of the Maghreb (Algeria, Morocco, and Tunisia). This course is taught in English.

FRE 320 French and Francophone Culture and Civilization

3 credits

Provides the student with an understanding of the increasing internationalization of all aspects of contemporary life and, therewith, discover the communicative impact of culture, of their "otherness," linked to their geography, demography, history, language, literature, science and the arts. This course is taught in English. (This course may be applied toward the requirement of 12 credits of study of foreign language for the Bachelor of Arts degree.)

FRE 390 French Immersion Practicum and Seminar

1–3 credits

Prerequisite: FRE 202

Four- to six-week immersion language experience in an approved program abroad. Course includes a preliminary seminar and final proficiency evaluation by staff of the foreign language department. Student will be required to attend all phases of the program, speak only target language during the immersion experience, and present a program to the Marian University community upon return.

FRE 397 Internship

1–3 credits

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

FRE 404 Special Topics

3 credits

Prerequisite: FRE 202

Advanced level study of a literary, cultural, or linguistic topic or career-related application.

FRE 414 Independent Study

1–3 credits

Prerequisite: 3.00 GPA and permission

This course is designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

FRE 497 Internship

1–3 credits

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

GEN GENERAL EDUCATION

GEN 101 First-Year Seminar

3 credits

(Freshman standing only)

The course facilitates students' transition into the college environment through exploring an issue related to civic responsibility in a multi-cultural world from a variety of academic disciplines. Students are introduced to the liberal arts, critical thinking, critical reading, and academic research skills. Students learn how to identify their own learning needs and develop plans to meet those needs using campus resources.

GEN 102 First-Year Symposium

1 credit

Prerequisite: GEN 101

Students continue their exploration of an issue related to civic responsibility in a multi-cultural world by further developing the knowledge and skills learned in the First-Year Seminar. In this course, students apply previously learned knowledge and skills to a new situation by conducting research in small groups on a specific aspect of the topic, and then articulating and acting upon this knowledge. Students select from a number of different tracks focused on such things as analysis of social problems, service learning, artistic expression, and historical conflicts.

GEN 197 Freshmen Externship

0 credit

Prerequisite: Permission of the Director of Career Services

A brief experiential learning experience designed to allow freshmen students to explore career interests through observation, shadowing, inquiry, and self-reflection.

GEO GEOGRAPHY

GEO 201 World Regional Geography

3 credits

A cultural, political, economic, and physical survey of the realms and regions of the world. Special attention will be given to human spatial interaction in a global context.

HCA HEALTH CARE ADMINISTRATION

HCA 201 Introduction to Health Care Administration

3 credits

Students are introduced to the use of concepts, theory, and approach as they relate to professional practice in the health care system. Students are also exposed to experience with the health care system from a customer perspective. A broad overview of the levels of care, the care continuum and the regulations governing care delivery is provided. Issues of individual behaviors, health status indicators, and government responsibilities are also discussed. Key issues in health policy will be presented.

HCA 397 Health Care Administration Internship

0.5 credits

Prerequisites: BUA 203, HCA 201, Permission
(Nine credits in the major completed)

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

HCA 404 Special Topics

1–3 credits

A course in which selected topics in health care administration are presented. Topics offered are at the department's discretion and vary from offering to offering.

HCA 415 Health Care Information Systems

3 credits

Prerequisites: HCA 201, TEC 200

Examines the fundamentals and analysis of healthcare information and the subsequent development and use of healthcare information systems. Provides a broad overview of information technology as it applies to health care systems, as well as the various management challenges facing users of this technology. Focuses on understanding systems and how to work effectively with them.

HCA 421 Financial and Economic Aspects of Health Care

3 credits

Prerequisites: BUA 210 or MAT 122 or MAT 123, ECO 201, FIN 301, HCA 201

This course presents the fundamentals and analysis of health care financing. Basic functions of expenditures and sources of funding are emphasized. This course analyzes third party payment programs and reimbursement practices in the U.S. health care sector. Students will be able to understand and explain the major differences between private insurance and managed care systems, and how policy reform impacts the health care sector.

HCA 431 Health Care Management and Policy

3 credits

Prerequisites: HCA 201, MGT 213
(Senior standing)

Students discuss concepts, theory, and research as they relate to professional practice in the health care system. A broad overview of the levels of care, the care continuum and the regulations governing care delivery is provided. Issues of individual behaviors, health status indicators, and government responsibilities are also discussed. Key issues in health policy will be presented.

HCA 450 Seminar in Health Care Administration

1 credit

Prerequisites: HCA 421, HCA 431

Students will review and discuss issues and challenges confronting the administrative professional in a health care setting and mechanisms to deal with those issues.

HCA 497 Health Care Administration Internship

1–3 credits

Prerequisites: BUA 203, HCA 201, Permission
(Nine credits in the major completed)

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

HIS HISTORY

HIS 101 World Civilizations I

3 credits

A survey of world civilizations from human origins to the 16th century. Exploration of the cultural, political, and economic development of humankind in a global context.

HIS 102 World Civilizations II

3 credits

A survey of world civilizations from the 16th century to the present. Exploration of the cultural, political, and economic development of humankind in a global context.

HIS 111 History of the United States to 1877

3 credits

A survey course in which the cultural, political, and economic events that have shaped American history from the precontact period to 1877 will be explored. The course will pursue several key topics, including the evolution of race and gender relations, independence, the emergence of popular democracy, the era of the Civil War and Reconstruction, and the impact of industrialism and urbanization upon American life.

HIS 112 History of the United States from 1877

3 credits

A survey course in which the cultural, political, and economic events that have shaped American history from 1877 to the present will be explored. The course will pursue several key topics, including the continuing development of race and gender relations, the impact of industrialism, the world wars and the Cold War upon American life.

HIS 114 World History Since 1900

3 credits

(AGS students only)

A survey of important developments in political, social, economic, and cultural history from 1900 to the present day with special emphasis on the increasing interconnectedness of societies throughout the world and the rise of a more global economy and culture.

HIS 204 Special Topics

1–3 credits

Topics of historical inquiry intended for students at an introductory level. Content varies from term to term.

HIS 205 History of Selected Minorities

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

An introductory historical survey of selected American minorities, including Native Americans, African–Americans, Asian Americans, Hispanic Americans, women, religious minorities, and other minority groups. The course focuses upon the consequences of the interplay of cultural, political, and economic processes relative to minority-majority relations and the American experience.

HIS 206 History of Terrorism

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

This course will examine the roots of terrorism in the 20th century, the current intellectual and governmental policies and theories regarding the nature and methods of terrorism, and the impact of terrorism in the past, present, and future.

HIS 207 History of Crime

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

An examination of changes over time in concepts of justice, injustice, crime, and deviance.

HIS 208 History of Disease

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

This course will examine the role that infectious diseases have played in human history, as well as the way in which people have reacted to these diseases.

HIS 209 History of Sex and Abstinence

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

A study of views of sex and abstinence from ancient times to the present. Special attention is given to the connections among sexual beliefs, sexual behaviors, and religious and cultural values.

HIS 211 American Military History

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

A study of the American military in war and peace and its relationship to American culture and society, including social, economic, technological, and political factors that influenced changes in the military and its activities from colonial times to the present.

HIS 214 History of Wisconsin

3 credits

Prerequisite or corequisite: HIS 111

A survey of the cultural, economic, political, and social history of Wisconsin from the days of exploration to the present. The class emphasizes independent research and discussion.

HIS 215 Social History

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

An exploration of historical topics concerning the interactions of individuals, society, and the world they construct.

HIS 216 History of Popular Culture

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

An exploration of historical topics concerning the development and uses of popular amusements.

HIS 217 Topics in American History

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

An exploration of specific topics in the history of the United States from colonial times to the present.

HIS 222 History Goes to the Movies

3 credits

Prerequisite: HIS 101 or HIS 102 or HIS 114

The exploration of a variety of selected historical topics and themes as characterized by the movies.

HIS 301 Church History to the Reformation

3 credits

Prerequisite: HIS 101

A study of the development of the church from apostolic times to the Reformation. Significant figures in the history of the church are studied with stress on the interaction of the church and the world.

HIS 302 Church History Since the Reformation

3 credits

Prerequisite: HIS 102

A study of church history from the Reformation to the present. The course focuses on the influence of the church on the world rather than on doctrinal matters.

HIS 303 History of England

3 credits

Prerequisite: HIS 102

A survey of English history from ancient times to the present. Special attention will be given to the social, political, and economic developments that have influenced the course of English history.

HIS 309 Public History

3 credits

Prerequisites: HIS 111, HIS 112

Prerequisite or Corequisite: HIS 214

The class explores the multiplicity of approaches historians use to conduct research, engage in historical preservation, present history to public audiences via historical societies, electronic media, and museums. The course is designed to familiarize the student with not only the historiography of public history, but also the theories and practice behind the presentation of history to public audiences. Pedagogical approaches include in-class study, presentations by public history practitioners, site visits, and through Service-Learning at an appropriate public history venue.

HIS 314 American Constitutional Development

3 credits

Prerequisites: HIS 111, HIS 112

(For history, broad field social studies, or criminal justice majors only)

A study of the background of the federal Constitution and a survey of its development to the present. Consideration is given to national economic regulations, capital–labor issues, and civil liberties.

HIS 342 Topics in Ancient History

3 credits

Prerequisite: HIS 101 or HIS 114

Provides the student with an opportunity to explore topics in ancient history from a Western or non-Western social, political, and economic framework.

HIS 395 History Capstone I

2 credits

Prerequisites: HIS 101, HIS 102, HIS 111, and HIS 112

Students will begin the design and research for a project related to their area of interest and career aspirations.

HIS 397 Internship

1–3 credits

Planned and supervised work experience in a public history venue such as a local historical society, library, museum or other similar organization. Supervised by a faculty mentor who evaluates fulfillment of the planned objectives. Internships are unpaid experiences.

HIS 404 Special Topics

1–3 credits

An opportunity to study specific topics in the various fields of history. These topics reflect the particular competencies and interests of the department faculty and consider the needs and requests of the students. Special studies of particular events or brief periods of history may be included.

HIS 405 History of the Modern Middle East

3 credits

Prerequisite: HIS 102

A survey of events in the Middle East from the rise of Islam to the current day.

HIS 408 History of American Foreign Policy

3 credits

(Also INS 408)

Prerequisites: HIS 102, HIS 112

A survey of major foreign policy issues and the conduct of diplomacy from the end of the 18th century to the present. Emphasis is placed on 20th century involvement of major powers in international conflicts.

HIS 410 19th Century Europe

3 credits

Prerequisite: HIS 102

A study of the European powers during the period 1815–1914. Concepts such as liberalism, nationalism, conservatism, democracy and socialism are critically examined. The course concludes with an examination of the origins of World War I.

HIS 414 Independent Study

3 credits

Prerequisite: Permission

Intensive independent study of a chosen subject. The student is expected to read a substantial number of major works in the field and to prepare a critical documented paper. A public presentation of the research before faculty and students is an integral part of the course. See also statement on independent study.

HIS 415 History of the Recent U.S.

3 credits

Prerequisites: HIS 111, HIS 112

A seminar dealing with the political, economic, intellectual and social trends of the United States since 1933. Topics for discussion include the New Deal, World War II, the Cold War, and the dramatic political, economic, foreign policy, social and cultural changes in American society during the last 40 years.

HIS 416 History and Culture of American Indians

3 credits

Prerequisites: HIS 111, HIS 112, SOC 100

A study of the history of American Indians from precontact times to the present. Special attention is given to issues surrounding the continuing effect of contact and discovery upon American Indians in a cultural, political and economic context.

HIS 422 20th Century Europe

3 credits

Prerequisite: HIS 102

A study of Europe commencing with World War I and extending to its current political and economic condition. The rise of dictatorships, trials of democracy, World War II, colonialism, postwar economic revivals, social, and cultural transformation, and the course and conclusion of the Cold War are explored.

HIS 423 History of Latin America

3 credits

Prerequisites: HIS 101, HIS 102

A survey of economic, political, religious, and social change and continuity in Latin America from the pre-colonial period to the present day. Latin America is defined as including the Caribbean Islands, Mexico, Central America and South America.

HIS 425 The Civil War Era (1850–1877)

3 credits

Prerequisite: HIS 111

A study of the causes and course of the Civil War as well as its consequences for subsequent American history. The course will focus upon the key issues of slavery and race relations, the effect of industrialization upon sectional tensions, southern particularism, and the social and political life of the era.

HIS 426 History of Africa

3 credits

Prerequisites: HIS 101, HIS 102

A topical survey of the history of African peoples from human origins to the present. Subjects include regional historical developments, African social and political patterns, the impact of external contacts, imperialism and colonialism, nationalism and independence, and current issues in Africa.

HIS 431 History of Monsoon Asia

3 credits

Prerequisites: HIS 101, HIS 102

A survey of civilizations in monsoon Asia from prehistory to the present. Emphasis is placed on cultural, political, and social development of China, Japan and India, with some attention to Korea, Central Asia, and Southeast Asia.

HIS 432 History of Canada

3 credits

Prerequisite: HIS 102

A survey designed to provide an overview of Canadian history from precontact times to the present. The course explores the three broad currents of Canadian history: the Aboriginal experience, the French experience, and the British or Anglo–Canadian experience. Special attention will be given to the interaction of these three currents after 1760 in a political, cultural, and economic context.

HIS 436 Controversies in American History

3 credits

Prerequisite: HIS 111 or HIS 112

A study of various controversies within American history from colonial times to the present. These will include major historiographical controversies.

HIS 438 Controversies in World History

3 credits

Prerequisite: HIS 111 or HIS 112

A study of various controversies within world history from ancient times to the present. These will include major historiographical controversies.

HIS 440 Controversies in European History

3 credits

Prerequisite: HIS 111 or HIS 112

A study of various controversies within European history from ancient times to the present. These will include major historiographical controversies.

HIS 441 Topics in Women's History

3 credits

Provides the student with an opportunity to explore the history of women in the context of a particular historical period or issue. Western and non-Western topics may be addressed in a social, political, and economic framework.

HIS 450 Seminar in European History

3 credits

Prerequisite: HIS 111 or HIS 112

An opportunity to study specific topics in the various fields of European history in a seminar type format. The topic(s) is drawn from the interests of the department faculty and students.

HIS 490 Seminar in American History

3 credits

Prerequisite: HIS 111 or HIS 112

An opportunity to study specific topics in the various fields of American history in a seminar type format. Topics are drawn from the interests of the department faculty and students.

HIS 492 Seminar in World History

3 credits

Prerequisite: HIS 101 or HIS 102

An opportunity to study specific topics in the various fields of world history in a seminar type format. Topics are drawn from the interests of the department faculty and students.

HIS 495 History Capstone II

2 credits

Prerequisite: HIS 395

Students will complete the project begun in HIS 395.

HIS 497 History Internship

1–3 credits

Planned and supervised work experience in a public history venue such as a local historical society, library, museum or other similar organization. Supervised by a faculty mentor who evaluates fulfillment of the planned objectives. Internships are unpaid experiences.

HOS HOMELAND SECURITY

HOS 101 Introduction to Homeland Security

3 credits

Survey of homeland security as a national priority and security imperative. Students will review the tenets of relevant initiatives, programs, policies and agencies associated with the nation's defense and security enterprise. Using case studies of significant homeland security incidents, students examine the impact of these events upon how the "whole community" manages crisis preparedness, prevention, mitigation, response and recovery.

HOS 204 Special Topics

1–3 credits

Selected topics relating to the field of homeland security are presented. The topics reflect the particular competencies and interests of program faculty taking into consideration the needs and requests of the students.

HOS 212 Resource Management for Homeland Security

3 credits

Prerequisite: HOS 101

Study of resource management doctrine, guidance and oversight provided to agencies, communities and collaborative teams who plan for and provide emergency management and homeland security-related functions for society. Homeland Security grants and grant writing, budgets, public administration, personnel, training and education programs, and critical and creative problem solving, are explored and practiced. Practicing professionals and experts guest lecture, contributing content, analysis and real-world illustrations.

HOS 305 Leadership and Organizational Management

3 credits

Prerequisite: HOS 101 or HOS 215

This course introduces students to leadership and management principles and practices, with a focus on homeland security agency administration examining the management of public safety agencies, as well as leadership theory. We will also examine the "people" side of government organizations and leadership in emergency operations.

HOS 310 Criminology

3 credits

(Also CRJ 310)

Prerequisite: CRJ 101

An overview of theories of crime. The following theories will be explored: classical, spiritual, and natural explanations; biological factors, psychological factors; control theories; deterrence theories; conflict theory; gender and crime; age and crime; and integrative theories.

HOS 312 Crisis Intervention and Management

3 credits

(Also CRJ 312)

Prerequisite: CRJ 101

Students will learn the role of crisis intervention and its management strategies necessary for their criminal justice career. Professional communication will be integrated and reinforced throughout the course. Students will be expected to apply these professional communication skills appropriately in (all) simulations. Students will also learn intervention principles, guidelines and techniques for criminal justice, public safety and health providers- about persons with possible mental disorders, alcohol or drug problems, dementia disorders, and/or developmental disabilities. Strategies of crisis intervention will be discussed in their own right and within the contexts of: suicide and personal loss/bereavement as well as other crises of lethality; posttraumatic stress disorder, hostage situations and the catastrophic events that are related, and sexual assault and domestic violence (including both adult and child victims and the perpetrators of these crimes) as well as the current issue of school-based violence.

HOS 313 Emergency Planning

3 credits

This course provides a general introduction to the methods, procedures, protocols, and strategies of emergency planning, with emphasis on situations in industrialized countries and the local level of organization (i.e. cities, municipalities, metropolitan areas, and small regions), though with ample reference to national and international levels. Rather than concentrating on the practices of any one country or state, the course focuses on general principles.

HOS 315 Combating Terrorism

3 credits

Examination of terrorism as a modern weapon of power, a forensic event, and a social phenomenon. Students explore prevailing strategies, tactics and approaches designed for combating terrorism, focusing on nation and global capabilities to detect, deter and defeat such threats. Students explore types of terror, the groups, individuals and governments involved in terrorism, plus terrorist methodologies, motivations, and philosophies.

HOS 320 Transnational Threats

3 credits

Survey of various forms of illicit activities and hazards that transcend international borders, threatening the stability of our nation's security. The course places the US and its interests within a global context. Agencies, organizations and initiatives related to combating these threats are explored with students critically evaluating successes and challenges revealed by national and global efforts to counter or manage such activities, events, and responses.

HOS 322 Infrastructure Protection

Exploration of the broad range of national critical infrastructure sectors, networks, interdependencies, relevant government programs and initiatives, and challenges of managing such assets. Students practice risk assessments and vulnerability analysis to understand threats, hazards, likelihoods, and consequences of network attacks and disruptions related to critical infrastructure.

HOS 342 Research Methods

3 credits

Prerequisite: CRJ 214

This course presents the basic principles and methods of social science research. Students are introduced to techniques for critical analysis of the professional practice literature and how, as consumers, they can incorporate research findings in practice. Students also acquire knowledge and skills for applying research in their practice. Similarities between the research and problem-solving processes are identified, beginning with conceptualization of the research question, followed by determination of the appropriate design and methodology, and concluding with qualitative and quantitative data analysis and presentation of findings. Professional values and ethics, as well as sensitivity to human diversity, are subsumed within the conduct of research.

HOS 350 Principles of Professional Practice

3 credits

(Also CRJ 350)

Prerequisite: CRJ 101 or CRJ 102

This course is a seminar in the major concepts of professionalism in criminal justice administration, and further, an introduction to the knowledge and skills necessary for one to practically apply the theory and principles of professionalism and professional conduct in the environment of criminal justice practice.

HOS 350 Administrative Law

3 credits

Prerequisite: HOS 101 or HOS 215

This is a basic course in employment and labor law in the public sector, using the federal public sector as a model. It covers the key subjects one needs to function effectively in the public sector workplace. This course examines the form, organization, and function of administrative agencies in the context of a democratic constitutional system. The course looks at agency rulemaking, enforcement, and adjudication, and examines as well the legislative, executive, and judicial control of those functions.

HOS 394 Homeland Security Field Experience

1–3 credits

Prerequisite: Permission

Field-based exploration of homeland security. During their junior or senior year, students work with an agency or organization whose mission or requirements are relevant to homeland security, emergency management, law enforcement, crisis management, safety and security, or other related fields. Students may negotiate their own assignments or receive one, and are supervised by the sponsoring entity and a university professor.

HOS 404 Special Topics

1–3 credits

Selected topics relating to the field of Homeland Security are presented. Topics reflect the particular competencies and interests of program faculty taking into consideration the needs and requests of the students.

HOS 405 Disaster Management

3 credits

Prerequisite: SOC 100

Study of content, relevant emergency and consequence management programs, initiatives, policies and strategies that serve as the basis for the US national preparedness plans and competencies. The five major planning frameworks covering the mission sets of protect, prevent, mitigate, respond and recover, are interwoven into all course content, as students explore natural, manmade-intentional, accidental, public health and biological disasters and incidents. Concepts of hazard, risk and vulnerability are explored as components of a larger, societal context.

HOS 420 Race, Gender, and Ethnicity

3 credits

(Also CRJ 420)

Prerequisite: CRJ 101

The focus of this course is to study the nature and extent of racial, cultural, and gender issues as they pertain to criminal justice issues in America. Furthermore, the class will attempt to distinguish the variability in past and existing criminal justice practices at each stage of the criminal justice system for minority groups.

HOS 494 Homeland Security Field Experience

1–3 credits

Prerequisite: Permission

Field-based exploration of homeland security. During their junior or senior year, students work with an agency or organization whose mission or requirements are relevant to homeland security, emergency management, law enforcement, crisis management, safety and security, or other related fields. Students may negotiate their own assignments or receive one, and are supervised by the sponsoring entity and a university professor.

HOS 495 Homeland Security Capstone

3 credits

(Senior status or permission.)

Capstone project, drawing upon content, concepts and competencies developed throughout a student's academic experience with the advice and consent of the professor during the final term of the homeland security program. Capstone projects may be academic or practitioner-based. Students will also produce and refine a viable resume, capturing outcomes and skills developed as a student and elsewhere, to use as they proceed toward careers in homeland security-related fields.

IDS INTERDISCIPLINARY STUDIES

IDS 101 Introduction to Interdisciplinary Studies

3 credits

(AGS students only)

An introductory study of the concepts and practices of interdisciplinary inquiry, writing, critical thinking and problem solving between disciplines. This course will examine different disciplines of learning and introduce students to what interdisciplinary study is - how it is related to, yet distinct from the individual disciplines. The course will examine interdisciplinary methods relating to cognitive abilities, values and skills and introduce students to critically approaching real world problems from diverse, interdisciplinary perspectives.

IDS 201 Introduction to the Humanities

3 credits

(AGS students only)

A multi-disciplinary humanities survey that focuses on the interaction of art, literature, and music with philosophical and theological perspectives and subsequent cultural developments. The course emphasizes various relationships of tradition and innovation among global cultures, encouraging students to simultaneously identify with and critically evaluate various cultures. Above all, students are encouraged to identify, analyze, and synthesize the diverse aesthetic, intellectual, and spiritual insights of human history, and how those insights have impacted human lives, including those in the contemporary world. Students can earn credit in art, music, English-language literature, theology, and philosophy by focusing their coursework on the specific discipline.

IDS 202 Introduction to the Social Sciences

3 credits

(AGS students only)

A multi-disciplinary social science survey which introduces the social science disciplines and the study of human society. This course provides an overview of areas of study, major theories and research methods of the social sciences to answer questions about individuals, society, and the exercise of power by each. The course will introduce tools which unlock a better understanding of the cultural and social world we inhabit.

IDS 400 Senior Seminar in Interdisciplinary Studies

3 credits

Prerequisite: Permission

(AGS students only)

A capstone course that provides for reflective analysis on the integration of learning into professional and personal life. Topics may include social trends, values, ethics, and lifelong learning, as these elements relate to a diversity of career fields. Personal spirituality and lifestyle issues will also be discussed. A substantial project demonstrating excellence in the integration of knowledge, such as a research paper, portfolio, or learning project, will be required.

INS INTERNATIONAL STUDIES

INS 101 Fundamentals of International Relations

3 credits

(Also POS 101)

Using a topical, historical, and issue-oriented approach, this course introduces students to the basic factors of international affairs including diplomacy and international public policy issues such as health, education, business, and trade. Emphasis is placed on analysis of major issues of current or recent historical interest. A combination of lecture, discussion, and group projects is employed.

INS 102 Contemporary Issues in American Foreign Policy

3 credits

Examination of contemporary issues in United States foreign relations. Links to the national great decisions forum. This course may be taken more than once.

INS 408 History of American Foreign Policy

3 credits

(Also HIS 408)

Prerequisite: HIS 102, HIS 112

A survey of major foreign policy issues and the conduct of diplomacy from the end of the 18th century to the present. Emphasis is placed on 20th century involvement of major powers in international conflicts.

JPN JAPANESE

JPN 101 Elementary Japanese I

3 credits

An introduction to Japanese characters, vocabulary, grammar, sound system, and culture to develop elementary communicative proficiency in listening, speaking, reading and writing, while gaining a familiarity with and basic understanding of the Japanese culture.

JPN 102 Elementary Japanese II

3 credits

Prerequisite: JPN 101

Continuation of basic skill development offered in Elementary Japanese I to enhance communicative proficiency in listening, speaking, reading and writing in Japanese characters and to deepen understanding of the Japanese culture.

LDR LEADERSHIP**LDR 200 Introduction to Leading and Leadership**

3 credits

Introduction to leadership theory and the development of transformative, servant-leadership and the social change model; the principles and practices of positive interpersonal relationships for leadership development are also explored. Emphasis is placed on application and practice of leadership.

LDR 204 Special Topics

1–3 credits

An exploration and analysis of special areas, issues, or problems in leadership, chosen because of their special relevance or interests and not specifically examined in other courses.

LDR 225 Theology of Leadership

3 credits

(Also THE 225)

Prerequisite: THE 101

Through a variety of resources students use theological reflection to explore their personal spirituality, sense of vocation, and approaches to leadership within the context of their own and other belief systems. Models of leadership are drawn from areas of moral theology and transformational servant leadership.

LDR 300 Spirituality Integration Seminar

1 credit

An introduction to various theories, practices and methods that enable the leader to touch his/her center of consciousness, spirit, or soul. The course will include, but not be limited to, such spiritual practices as meditation, contemplation, reflection, and journaling from various traditions, such as Christianity, Taoism, Himalayan yoga, Buddhism, Judaism, Islam, and Humanism.

LDR 350 Leadership Integration Seminar

1 credit

Prerequisite: THE/LDR 225

(Leadership minors only)

This seminar course integrates the student's major course of study with their study of leadership. Content and methods focus on how the student's major and personal vision and goals relate to the students' vocation and model of leadership.

LDR 400 Values Development in Leadership

3 credits

As an introduction to reflecting upon personal strategies and organizational models for values integration in leadership, the value development theory will be presented and the valuing process will be explored in both its theoretical and practical aspects. The personal and professional values and leadership characteristics of students in this class will be identified and analyzed.

LDR 404 Special Topics

1–3 credits

An exploration and analysis of special areas, issues, or problems in the study of leadership, chosen because of their special relevance or interests, and are not specifically examined in other courses.

LDR 450 Leadership Capstone Seminar

1 credit

Prerequisites: THE 225 or LDR 225; LDR 300, LDR 350

(Leadership minors only)

This seminar course is the summative integration in the study of leadership with students' general course of study. Students demonstrate their understanding of the connections between the study of leadership, their vocational goals, their spiritual practices and their course of study.

LDR 497 Internship

1–3 credits

An exploration, application and analysis of special areas, issues, or problems in the study of leadership, chosen because of their special relevance or interests, and are not specifically examined in other courses.

MAT MATHEMATICS**MAT 001 Basic Algebra**

3 credits

A course covering fundamental operations of arithmetic, algebraic expressions, solving and graphing linear equations and inequalities, exponents, polynomials, and operations with rational expressions. A knowledge of the material contained in this course is assumed by students taking MAT 111 and MAT 122. (A grade of C or higher is necessary to take any additional course in mathematics. This course is a pre-college level course and does not fulfill degree requirements.)

MAT 002 Essential College Mathematics

3 credits

Overview of fundamental mathematical and computational skills with integers, fractions, decimals, ratios, proportions, percent, measurements, and basic geometry.

MAT 100 Mathematics Survey

3 credits

Prerequisite: Appropriate math placement test score or a grade of C or higher in MAT 001

Emphasizes the role of mathematics as a component of the liberal arts. Development of quantitative thinking skills through applications and problem-solving situations. Topics include critical reasoning, sets, probability, functions, logic, historical numeration systems, number theory, and basic algorithms.

MAT 105 Mathematical Applications

3 credits

Topics cover ratios and proportions, personal finance, and descriptive statistics.

MAT 111 Introduction to College Algebra

4 credits

Prerequisite: Appropriate math placement test score or MAT 001 with grade of C or higher

An introduction to algebraic topics to include properties of the real number system, polynomial and rational functions, elementary geometry, powers and roots, systems of equations, inequalities, and elementary matrix algebra.

MAT 112 Pre-Calculus Mathematics

5 credits

Prerequisite: Appropriate math placement test score or MAT 111 with a grade of C or higher

A study of topics that include: set theory, relations, functions, analytic geometry, synthetic division, logarithmic and exponential functions, trigonometric functions, and graphing techniques. (NOTE: MAT 114 may not be taken for credit, upon completion of MAT 112.)

MAT 114 Algebra and Trigonometry

4 credits

Prerequisite: Appropriate math placement test score or MAT 111 with a grade of C or higher

A review of fundamental concepts of algebra, including systems of equations, polynomial, rational, logarithmic and exponential functions. An introduction to trigonometry, including triangle and unit circle approaches. Emphasis will be on applications of algebra and trigonometry. (NOTE: MAT 112 may not be taken for credit, upon completion of MAT 114.)

MAT 122 Introduction to Probability and Statistics

4 credits

Prerequisite: Appropriate math placement test score or MAT 001 with grade of C or higher

A study of topics that include descriptive statistics and data analysis; elementary probability; binomial, hyper geometric and normal probability models; the central limit theorem; confidence intervals; elementary hypothesis testing; linear regression; and correlation. A major goal of this course is the application of these topics to problems arising from the natural sciences, the social sciences, the health industry, and the business environment. (This course does not fulfill the statistics requirement of mathematics majors and minors.)

MAT 123 Introductory Statistics and Probability

3 credits

(AGS students only)

A study of topics that include descriptive statistics and data analysis; elementary probability; binomial, hyper geometric and normal probability models; the central limit theorem; confidence intervals; elementary hypothesis testing; linear regression; and correlation. A major goal of this course is the application of these topics to problems arising from the natural sciences, the social sciences, the health industry, and the business environment.

MAT 130 Mathematical Applications for Business

3 credits

Prerequisite: MAT 001 or MAT 002 with grade of C or higher or an appropriate math placement test score

A course designed to acquaint the business student with mathematical techniques used in business and common business applications of those techniques.

MAT 151 Mathematics for Elementary School Teachers

3 credits

Prerequisite: MAT 100 with a grade of C or higher

(This is a required course for elementary education majors.)

A course designed to examine and develop the conceptual foundation upon which elementary mathematics is built. Quantitative thinking skills are developed through applications and problem-solving situations. Topics include probability, statistics, and geometry.

MAT 201 Calculus I

5 credits

Prerequisite: Appropriate math placement test score or MAT 112 with a grade of C or higher

A first course in the calculus treating functions of one variable. Topics include limits, continuity, derivatives, and integrals of polynomial and rational functions. A major emphasis of this course is the application of these concepts to problems arising out of industry, economics, business, and the sciences.

MAT 202 Calculus II

5 credits

Prerequisite: Appropriate math placement test score or MAT 201 with a grade of C or higher

A continuation of MAT 201. Topics include the study of transcendental functions, techniques of integration, analytic geometry, polar coordinates, parametric equations, sequences, and series.

MAT 204 Special Topics

1–4 credits

A course allowing for instruction in areas not included in the regular math curriculum. Topics vary according to the expertise and interests of individual instructors.

MAT 212 Introduction to Abstract Mathematics

3 credits

Prerequisite: Appropriate math placement test score or MAT 201 with a grade of C or higher

A survey course designed to acquaint the prospective mathematics student with topics and techniques common to the study of advanced mathematics such as algebra, analysis, geometry, and statistics. Major topics of the course include symbolic logic, methods of proof, set theory, relations, functions, and structure in mathematics. Examples will be drawn from various branches of mathematics to illustrate the topics presented.

MAT 301 Calculus III

4 credits

Prerequisite: MAT 202 with a grade of C or higher

A continuation of MAT 201/202. Topics include vectors in Cartesian two- and three-dimensional spaces, functions of several variables, partial differentiation, multiple integration, and elementary differential equations.

MAT 302 Complex Variable Calculus

3 credits

Prerequisite: MAT 301 with a grade of C or higher

Theory of functions of one complex variable, derivatives, elementary functions, conformal mappings with applications to boundary value problems, integrals, power series, residue theory, and its applications to various topics.

MAT 304 Introduction to Mathematical Statistics I

3 credits

Prerequisite: Appropriate math placement test score or MAT 201 with a grade of C or higher

A study of elementary probability theory, discrete and continuous random variables, the Central Limit Theorem, sampling theory, estimation, confidence intervals, and hypothesis testing.

MAT 305 Introduction to Mathematical Statistics II

3 credits

Prerequisite: MAT 202, MAT 304 with a grade of C or higher

A continuation of MAT 304. Topics will include one- and two- factor analysis of variance, linear, nonlinear and multiple regression, and correlation. Included in this discussion are analysis of residuals, selection of explanatory variables and some corresponding nonparametric tests. Extensive use of computer statistical packages will be used to reinforce the course topics and objectives.

MAT 314 Modern Geometry

4 credits

Prerequisite: MAT 212 with a grade of C or higher

An introduction to modern axiomatic Euclidean and non-Euclidean geometries. Other topics of study may include advanced Euclidean synthetic and coordinate geometry and geometric transformations.

MAT 324 Theory of Numbers

3 credits

Prerequisite: MAT 212 with a grade of C or higher

A development of such topics as the prime numbers, divisibility, the Euclidean algorithm, diophantine equations, congruence, number theoretic functions, and quadratic reciprocity.

MAT 334 Linear Algebra

3 credits

Prerequisite: MAT 212 with a grade of C or higher

A study of vector spaces, determinants, linear transformations, matrices, linear independence and bases, systems of linear equations, and elementary linear programming techniques. The course emphasizes the application of these topics to problems selected from business, industry, and the sciences.

MAT 344 Abstract Algebra

3 credits

Prerequisite: MAT 212 with a grade of C or higher

A study of set theory, mappings and algebraic structures to include groups, rings, integral domains, fields, homomorphisms and isomorphisms, theorems of Cayley and Lagrange, and characteristic properties of the rational, real, and complex fields.

MAT 354 Differential Equations

3 credits

Prerequisite: MAT 301 with a grade of C or higher

A course covering ordinary differential equations of the first and second order. Topics will include existence and uniqueness theorems, initial value problems, series methods, and systems of equations. A major focus of the course is the application of these concepts to problems arising from physics, engineering, chemistry, biology, physiology and economics. Additional topics may include boundary value problems, nonlinear systems, and related applications.

MAT 364 Numerical Analysis

3 credits

Prerequisite: MAT 202 with a grade of C or higher, TEC 212

A survey course in numerical mathematics with topics selected from numerical techniques of solving equations, interpolation and polynomial approximation, numerical differentiation and integration, and numerical solutions to systems of linear equations. Extensive use of the computer (including student-generated programs) will be used to reinforce the course topics and objectives.

MAT 374 Combinatorics

3 credits

Prerequisite: MAT 202 and MAT 212 with a grade of C or higher

An introduction to Combinatorics that includes set theory, mathematical induction, integers, functions and relations, counting methods, recurrence relations, generating functions, permutations, combinations principles of inclusion and exclusion, and graphs (including planar graphs). Additional topics may include graph coloring, trees and cut-sets, combinatorial designs and Boolean algebra.

MAT 384 Graph Theory

3 credits

Prerequisite: MAT 334 with a grade of C or higher

Study of the structure and properties of graphs, together with a variety of applications. Topics include paths, cycles, trees, connectivity, matchings, colorings, planarity, directed graphs, and algorithms.

MAT 397 Internship

1–3 credits

Prerequisite: Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. (This course will not count toward the mathematics major/minor.)

MAT 401 Theory of Real Variables I

3 credits

Prerequisite: MAT 212 and MAT 301 with a grade of C or higher

A study of the structure of real and complex number systems, metric spaces, limits, continuity, and differentiation.

MAT 402 Theory of Real Variables II

3 credits

Prerequisite: MAT 401 with a grade of C or higher

A continuation of MAT 401. The course topics include Riemann integration, series of numbers and functions, and series expansion.

MAT 404 Special Topics

1–4 credits

(Mathematics majors only)

Prerequisite: Permission

A course providing the opportunity to study topics in mathematics not covered in other courses. Possible topics include complex analysis, history of mathematics, logic, numerical analysis, geometry and probability theory. This course may be repeated for different topics. Note: a maximum of 6 credits from courses MAT 404 and/or MAT 414 may apply toward a mathematics degree.

MAT 410 Topology

3 credits

Prerequisite: MAT 212 and MAT 301 with a grade of C or higher

An introduction to the fundamental concepts of point set topology. Topics are chosen from: general topological spaces, functions and continuity, open and closed sets, neighborhoods, homeomorphism, properties of topological spaces, subspaces, products, and quotients. Emphasis will be placed on proofs and examples, with particular attention given to metric spaces.

MAT 412 Introduction to Operations Research

3 credits

Prerequisite: MAT 334, MAT 304, MAT 301 with a grade of C or higher

Course topics will include linear and nonlinear programming, dynamic programming, and network analysis (including PERT/CPM).

Additional course topics will be selected from integer programming, queuing theory, Markov processes, decision analysis, statistics, and simulation, based on student and instructor interest.

MAT 414 Independent Study

1–3 credits

Prerequisite: Permission

This course provides the student with an opportunity to do an in-depth independent study of a topic or problem in mathematics.

This course may be repeated for different topics. Note: a maximum of six credits from courses MAT 404 and/or MAT 414 may apply toward a mathematics degree.

MAT 497 Internship

1–3 credits

Prerequisite: Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. (This course will not count toward the Mathematics major/minor.)

MGT MANAGEMENT

MGT 213 Principles of Management

3 credits

Prerequisite: ENG 105 or ENG 230

A systematic analysis of the management process involving an integration of classical, behavioral, and modern contemporary philosophies. The importance of relating the theoretical principles of planning, organizing, leading, and controlling to practical experience is featured.

MGT 301 Operations Management

3 credits

Prerequisite: MGT 213

This course aims squarely at the customer-serving objectives of effective operations in creating a world-class service or manufacturing concern. Effective domestic and international operations management (OM) requires continually improving the operating process and resources of the organization, especially its people. OM requires harnessing the talents of front-line employees, technicians, experts, and upper-level managers while blending the interests of customers, employees and other stakeholders in the face of work force diversity, changing technologies and a global economy. The course also highlights the interdependencies between operations and other functional areas as marketing, finance/accounting, product/service design, human resources, and information systems.

MGT 304 International Organizational Behavior

3 credits

Prerequisite: MGT 213 or PSY 101 or SOC 100

An overview of employee involvement, leadership skills, and other management and organization behavior principles affecting human resources and relations – individual, group, and organizational. Topics include: motivation, communication, rewards, leadership, conflict, decision making, organizational structure, performance evaluation, and organizational change. The “human side of enterprise” will be examined in a cross-cultural context whether applied in domestic, offshore, or multi-national organizations.

MGT 311 Human Resource Management

3 credits

Prerequisite: MGT 213

A comprehensive study of the personnel management function: planning, recruiting, testing, selection,

training, compensation, policy development, performance appraisal, government regulations, and labor relations.

MGT 321 Organizational Behavior and Communication

3 credits

(Also COM 321)

An application of behavioral science to business management problems in the areas of motivation, leadership, morale, communications, and control. Study of formal organizations and management principles.

MGT 325 Supervision

3 credits

Prerequisite: MGT 213

Supervision uses the five functions of management - planning, organizing, staffing, leading, and controlling. Covers job responsibilities of first-line supervisors in directing activities of subordinates. Emphasis is placed on the effectiveness of human relations in communication, leadership and team-building in the workplace.

MGT 330 Supply Chain Management

3 credits

A study of the efficient flow of inventories within manufacturing and services operations. Topics include purchasing, receiving and stores, inventory management and valuation, inventory control systems, materials handling, and physical distribution. The course addresses the legal ramifications specific to goods and services.

MGT 397 Internship

0.5 credits

Prerequisites: BUA 203, MGT 213, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience.

MGT 404 Special Topics

3 credits

Prerequisite: Permission

Selected topics in management are presented. Topics offered are at the department's discretion and vary from offering to offering.

MGT 408 Leadership in Ethical Organizations

3 credits

Prerequisite: MGT 213

This course examines leadership in contemporary organizations. It addresses the leader's role in accomplishing organizational objectives in a complex, changing, contemporary, global, team-based values-challenged environment. The course reviews approaches to leadership (behavioral, transformational, situational, and values-based), and the impact of successful leadership on the organization. It examines processes involved in the leadership and development of heterogeneous and homogeneous work teams. Students will gain self-awareness of their personal leadership styles, interpersonal skills and values affecting their leadership through experiential exercises and self-assessment.

MGT 411 Organizational Training and Development

3 credits

Prerequisites: MGT 213, MGT 311

This course will critically examine the complementary functions of training employees for specific skills and of long term development of employees to maximize their overall contribution to the organization. Both specific training techniques and personnel development strategies will be covered.

MGT 412 Human Resource Planning, Recruitment, and Selection

3 credits

Prerequisites: MGT 213, MGT 311

This course is an in-depth examination of the process of formulating HR strategies and establishing programs or tactics to implement them. The "best practices" used to recruit well-qualified candidates for these positions and to select the highest-quality employees will be explored. Additional topics include planning, legal compliance, interviewing, selection, and retention.

MGT 413 Compensation and Benefits

3 credits

Prerequisites: MGT 213, MGT 311

This course examines the processes involved in designing and administering a compensation system that stimulates employee productivity, thus satisfying customer demands, while permitting the organization to operate profitably.

MGT 414 Independent Study

1–3 credits

Prerequisite: Permission

An intensive independent study of a chosen subject. The student is expected to read a substantial number of major works in the field and to prepare a critical documented paper.

MGT 415 Employee and Labor Relations

3 credits

Prerequisites: MGT 213, MGT 311

This course will address the relationship between employer and employee. It will consider the employment relationship in both non-union and unionized contexts and impacts on business management, operations, and development. The course will include discussion of the nature of the employment contract, employment-at-will, disciplinary processes, performance management, collective bargaining processes, legal frameworks, parties to collective bargaining, union structure and administration, union organizing, bargaining issues, grievances and arbitration, and differentiation between the private and public sector. Case studies and case law will illustrate principles of operation.

MGT 420 Entrepreneurship and Small Business Management

3 credits

Prerequisite: MGT 213

This course focuses on the activities and problems of the small or family business. Common problems — e.g., cash flow, family conflict, employee relations, expansion, and capital needs — faced by such entities during start-up or in transition states are addressed. Hands-on experience is provided through case studies, exercises, projects, and software. This course allows the student to investigate, analyze, and discuss the fundamentals and details specific to developing an effective business plan.

MGT 421 Project Management

3 credits

Prerequisite: MGT 213

This course focuses on the functions and activities in a team-based, project-management organization. The project life cycle is discussed. Activities such as initiating, planning, staffing, budgeting, executing, piloting/testing and monitoring the project are addressed. Key issues and challenges facing the project manager are identified. Hands-on experience is provided through case studies, exercises, and projects.

MGT 422 Process and Quality

3 credits

Prerequisite: MGT 213

The course provides the overview of an organization's process and quality management programs. This course addresses principles and practices in process and continuous improvement of quality in the business and non-business enterprise. Covers commonly accepted techniques for achieving quality — e.g., benchmarking, Baldrige criteria, ISO 9000/14000. Particular attention is given to philosophies and methods of process managing for quality, and to tools for quality improvement. The instructional approach is highly experiential and interactive, and features contact with quality systems professionals. Includes an overview of the Total Quality Management (TQM) movement and how the application of TQM techniques achieves customer satisfaction, continuous improvement, and employee involvement. This course introduces the quality philosophy in business. Topics include the linkages between the voice of the customer, the role of information systems, and the human resource management function and how they all tie together to forge the quality direction of an organization.

MGT 426 Safety and Health

3 credits

Prerequisite: MGT 213

This course provides an overview of major processes and procedures related to safety, security, and health in the work place. Students will gain an understanding of standards for occupational safety and health related to the Occupational Safety and Health Act. Safety and health hazards, causes of accidents and injuries, record keeping standards, and analysis of statistics are discussed. Measures organizations can take to promote safety, security, health, and wellness are discussed.

MGT 431 Purchasing

3 credits

Prerequisites: MGT 301, MGT 330

The course breaks down the distinctions between purchasing, procurement and supply management. In providing a comprehensive grounding the differences between strategic and tactical aspects of purchasing, it covers the procurement process and the role of the procurement function within the organization. This course provides the tools to determine "make or buy decision" and to conduct effective price and cost analysis. Critical issues in supplier selection and evaluation are addressed as are emerging and established technologies in e-procurement. The characteristics of services procurement that differentiate it from product procurement are also introduced.

MGT 435 Logistics

3 credits

Prerequisites: MGT 301, MGT 330

(AGS students only)

Introduction to the field of logistics includes development of logistics systems, careers in logistics, distribution planning, supply chain security, and customer service. Also includes roles and functions of: purchasing, inventory control, physical distribution, warehousing, transportation methods, packaging, customs. in-plant movement and storage, facility location, transportation, networks, and logistics information systems.

MGT 497 Internship

1–3 credits

Prerequisite: BUA 203, MGT 213, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

MKT MARKETING

MKT 201 Principles of Marketing

3 credits

Prerequisite: ENG 105 or ENG 230 or appropriate English placement test score

A general overview of the scope and significance of marketing both domestically and internationally. The course emphasizes the marketing of consumer and industrial goods and analysis of the marketing mix variables of product, price, promotion, and place. It introduces marketing policies and practices of business firms.

MKT 302 Principles of Advertising

3 credits

Prerequisite: MKT 201

A broad-based view of advertising principles and their application to an organization. Topics include advertising agencies, advertising planning and strategy development, understanding available media alternatives, media planning and buying, creating advertising, and the integration of advertising with other elements of the marketing communications mix (e.g. promotions, public relations, personal selling, and direct marketing).

MKT 311 Consumer Behavior

3 credits

Prerequisite: MKT 201

(PSY 101 or 105 recommended)

An exploration of the behavioral basis of consumer motivation and decision making and the implications for marketing and promotional strategies of organizations. Emphasis is placed on applying this knowledge to develop marketing strategies.

MKT 318 Personal Selling Skills

3 credits

Prerequisite: MKT 201

A key factor for success in the business world is the ability to sell products, services, personal capabilities, ideas, and/or solutions to problems. For example, upon graduation, obtaining a job in the profession of choice will be a top priority. The success or failure of this process will depend on the ability to sell a future, prospective employer on one's abilities to meet a company's needs and adapt to a company's culture. This course will focus on understanding and practicing the consultative selling process. Students will gain an understanding of the selling process, including prospecting, preparing, presenting, determining objections, handling objections, and closing a sale. The course will consist of learning sales principles and practicing these principles through role-playing.

MKT 322 Sales Management

3 credits

Prerequisite: MKT 201

A survey of the structure and processes involved in personal selling and in the managerial issues and problems involved in planning and implementing an effective sales-force management program. Topics include the tasks of the sales department and special issues in organizing, recruiting, selecting, training, motivating, compensating and managing the sales force.

MKT 397 Internship

0.5 credits

Prerequisites: BUA 203, MKT 201, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

MKT 400 Marketing Management

3 credits

Prerequisites: MKT 201, MKT 302

An advanced course in marketing theory and the development of marketing strategies. This course includes the development of a comprehensive marketing plan.

MKT 401 Marketing Research

3 credits

Prerequisites: MKT 201; BUA 210 or MAT 122 or MAT 123

An exposure to marketing research techniques and procedures used in gathering, recording, analyzing, and reporting of data related to marketing problems.

MKT 402 Marketing Seminar

3 credits

Prerequisite: MKT 201

A seminar on topics and problems in marketing that are of theoretical importance and current interest. Specific topics for discussion vary from term to term.

MKT 404 Special Topics

3 credits

Prerequisite: MKT 201

Presents selected topics in marketing. Topics offered are at the department's discretion and vary from offering to offering.

MKT 414 Independent Study

1–3 credits

Prerequisite: Permission

An intensive independent study of a chosen subject. The student is expected to read a substantial number of major works in the field and to prepare a critical documented paper.

MKT 497 Internship

1–3 credits

Prerequisites: BUA 203, MKT 201, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

MSC MILITARY SCIENCE

MSC 101 Leadership and Military Science I

2 credits

This is an introductory course designed to focus on the fundamental components of service as an officer in the United States Army. Students are familiarized with individual values, leadership traits and the fundamentals of officer ship. Students also learn "life skills" of physical fitness, communication applications, both oral and written, as well as interpersonal relationships. The lab provides basic instruction on squad movement techniques and the six-squad tactical missions of patrolling, attack, defense, ambush, reconnaissance, and squad battle drills. Additionally, students learn basic map reading, first aid, physical fitness, and military formations to include basic marching techniques.

MSC 102 Leadership and Military Science II

2 credits

This course is an orientation to leadership theory and the fundamentals of the decision-making process by learning how to solve problems and develop critical thinking skills. Students develop leadership skills and the ability to learn goal-setting techniques while working in a group interaction setting. The lab continues to provide basic instruction on squad movement techniques and the six-squad tactical missions of patrolling, attack, defense, ambush, reconnaissance, and the squad battle drills. Students are introduced to the operations order format. Additionally, students learn basic map reading, physical fitness, and basic marching techniques.

MSC 183 Military Conditioning

1 credit

(Enrolled in a Military Science class)

Students participate in the United States Army's military conditioning and fitness program designed to develop both individual fitness and the leadership skills and knowledge essential to the management of an effective organizational physical fitness program.

MSC 201 Basic Leadership and Management I

3 credits

Prerequisite: MSC 101

Students learn how to resolve ethical problems by applying leadership theory and principles. Students learn self-development techniques such as the importance of stress management, time management, and the ability to solve problems. Lastly, students apply communication theory and skills in a leadership study focusing on problem solving. The lab applies basic leadership theory and decision-making during practical exercises in a field environment. Students continue to develop basic map reading, physical fitness, and basic marching techniques.

MSC 202 Basic Leadership and Management II

3 credits

Prerequisite: MSC 102

Students focus primarily on leadership with an extensive examination of the unique purpose, roles, and obligations of commissioned officers. Students also focus, in detail, on the origin of our institutional values and their practical application in the decision-making process and leadership theory. Students use case studies to learn the Army's ethical decision-making process. The lab continues to apply basic leadership theory and decision-making during practical exercises in a field environment. Students continue to develop basic map reading, physical fitness and basic marching techniques.

MSC 301 Advanced Leadership and Management I

4 credits

Prerequisite: Permission

Students are introduced to the Leader Development Program that will be used to evaluate their leadership performance and provide developmental feedback for the remainder of their cadet years. Cadets are then taught how to plan and conduct individual and small unit training, as well as basic tactical principles. Cadets will also learn reasoning skills and the military-specific application of these skills in the form of the army's troop. The lab reinforces small-unit tactical training while employing the troop leading procedures to accomplish planning and decision-making. Students continue to learn basic map reading, physical fitness and marching techniques.

MSC 302 Advanced Leadership and Management II

4 credits

Prerequisite: Permission

The course focus is doctrinal leadership and tactical operations at the small-unit level. Students are provided opportunities to plan and conduct individual and collective training for Army operations. Synthesizing training, leadership and team building is the primary focus. Upon completion, students possess the fundamental confidence and competence of leadership in a small-unit setting. The lab continues reinforcing small-unit tactical training while employing the troop leading procedure to accomplish planning and decision-making. Students also continue basic map reading, physical fitness, and basic marching techniques.

MSC 401 Applied Leadership and Management I

4 credits

Prerequisite: Permission

This course concentrates on leadership, management, and ethics, and begins the final transition from cadet to lieutenant. Students focus on attaining the knowledge and proficiency in several critical areas they need to operate effectively as Army officers. These areas include coordinating activities with staff, counseling theory and practice within the "Army Context," training management, and ethics. The lab sharpens the students' leadership skills as they perform as cadet officers. Students develop and possess the fundamental skills, attributes, and abilities to operate as competent leaders in a cadet battalion. They must confidently communicate to subordinate cadets their preparedness to shoulder the responsibilities entrusted to them.

MSC 402 Applied Leadership and Management II

4 credits

Prerequisite: Permission

Students learn the legal aspects of decision-making and leadership. Instruction introduces the student to the organization of the Army from the tactical to the strategic level. Students learn administrative and logistical management focusing on the fundamentals of soldier and unit level support. Practical exercises require the student, both individually and collectively, to apply their knowledge to solve problems and confront situations commonly faced by junior officers. The lab continues to sharpen the students' leadership skills. Students normally change leadership positions to hone their skills, attributes, and abilities as leaders. Again, they must confidently communicate to subordinate cadets their preparedness to shoulder the responsibilities entrusted to them.

MSC 404 Special Topics

1–3 credits

Detailed examination of a current issue or problem in military science.

MSC 421 Contemporary Leadership and Management

1–3 credits

Prerequisite: Permission

Military Science students and graduates from Military Science, with consent of department chairperson, can participate in an intensive reading, writing and training program examining contemporary military leadership and training requirements. Planning, conducting, and evaluating training will be the primary focus.

MSC 431 Advanced Contemporary Leadership and Management

1–3 credits

Prerequisite: Permission

Military Science students and graduates from Military Science, with the consent of department chairperson, can participate in an intensive reading, writing and training program examining contemporary military leadership and training. Writing lesson plans, operation orders, and conducting training will be the primary focus.

MTE MATHEMATICS EDUCATION**MTE 290 Mathematics for Middle School Teachers**

4 credits

Prerequisite: MAT 151, MAT 122, and appropriate math placement test score or MAT 112 with a grades of C or higher

A course designed for students who have declared a Math for Elementary/Middle Education minor. Course will be a continuation of MAT 151 relative to additional topics in geometry, probability, statistics, and algebra applicable to the middle school curriculum.

MTE 375 Historical Topics in Mathematics

2 credits

Prerequisite: MAT 212

A course designed to acquaint the prospective teacher of secondary mathematics with a survey of the history of the discipline. Topics will include a development of mathematics as known to the Babylonian, Egyptian, Greek, Arabian, and Chinese civilizations. Included in this discussion is the development of numerals and place-value numeration systems, the axiomatic method, and analysis of various algorithms, both modern and historical. Other topics may be included at the discretion and interest of the course instructor. This course is required of all mathematics teaching majors and minors.

MUS MUSIC**MUS 010, 020, 030, 040, 050, 060, 070 Concert Attendance**

0 credits

A course featuring concert attendance as fulfillment of a music major requirement. Includes a field trip each semester for which a fee is required. (CR/NC grade only.)

MUS 101 Music Fundamentals

3 credits

An introduction to basics of music theory: notation, rhythmic reading, sight singing, scales, key signatures, intervals, chords, transposition, and terminology. Functional skills of playing melodies and simple accompaniments on piano and other classroom instruments are taught.

MUS 104 Beginning Voice Class

1 credit

(Audition required.)

A vocal ensemble that performs all eras of American pop, show music and jazz. Includes choreography. Rehearsals lead to dinner shows and an annual tour. (repeatable for credit. "0" credit receives CR/NC grade.)

MUS 107 Women's Chorale

0–1 credit

A women's ensemble that performs choral literature specifically intended for women's choirs from all eras. The ensemble meets two hours weekly, performs in concerts and liturgies, and may tour throughout the year. (repeatable for credit.)

MUS 111 Beginning Keyboard Class

1 credit

(Music majors and minors only)

An introduction to basic piano techniques, elements of sight-reading and harmonization, and beginning piano literature. It is a class for music majors and minors, elementary education majors, and others by permission of the music department.

MUS 112 Keyboard Class II

1 credit

Prerequisite: MUS 111

Emphasis on preparation for the keyboard proficiency requirements for music majors. A continuation of MUS 111.

MUS 121, 122, 221, 222, 321, 322, 421, 422 Voice

½–1 credit

(Music majors and minors only)

Private lessons in voice. (repeatable for credit.)

MUS 130 Collegiate Wind Ensemble

0–1 credit

A band open to experienced woodwind, brass, and percussion players. The ensemble rehearses twice a week for 1½ hours and performs one or two concerts each semester. (repeatable for credit. "0" credit receives CR/NC grade.)

MUS 131, 132, 231, 232, 331, 332, 431, 432 Keyboard: Piano and Organ

½–1 credit

(Music majors and minors only)

Private lessons on piano or organ. (repeatable for credit.)

MUS 140 Chamber Ensemble

0–1 credit

Various small instrumental and vocal ensembles open to experienced musicians. (repeatable for credit. “0” credit receives CR/NC grade.)

MUS 141, 142, 241, 242, 341, 342, 441, 442 Strings

½–1 credit

(Music majors and minors only)

Private lessons on orchestral string instruments including guitar. (repeatable for credit.)

MUS 150 Orchestra

0–1 credit

An orchestra comprised of experienced players from the community and students. Rehearses weekly for 1½ hours and performs at least once each semester. (repeatable for credit. “0” credit receives CR/NC grade.)

MUS 151, 152, 251, 252, 351, 352, 451, 452 Woodwinds

½–1 credit

(Music majors and minors only)

Private lessons on flute, oboe, clarinet, bassoon, or saxophone. (repeatable for credit.)

MUS 161, 162, 261, 262, 361, 362, 461, 462 Brass

½–1 credit

(Music majors and minors only)

Private lessons on cornet/trumpet, French horn, trombone, euphonium, or tuba. (repeatable for credit.)

MUS 170 Jazz Ensemble

0–1 credit

An auditioned ensemble whose members explore various jazz idioms, develop improvisational skills, and perform publicly. Rehearses one to three times a week. (repeatable for credit. “0” credit receives CR/NC grade.)

MUS 171, 172, 271, 272, 371, 372, 471, 472 Percussion

½–1 credit

(Music majors and minors only)

Private lessons on snare drum, timpani, mallet percussion, and drum set. (repeatable for credit.)

MUS 191, 192, 291, 292, 391, 392, 491, 492 Music Composition

1 credit

Private lessons in musical composition. (repeatable for credit.)

MUS 180 Accompanying

1 credit

A course in applied accompanying. Each student is given an accompanying assignment that lasts through the semester. In addition, students meet three times each semester to address specific problems in accompanying vocal and instrumental soloists. (repeatable for credit.)

MUS 200 Music Appreciation

3 credits

A survey of the major forms and compositions of Western art music, with units in world music and jazz. Emphasis is placed on the development of listening skills, as well as historical, biographical, and sociological study to enhance appreciation of the music. This course is designed for the general student. (required field trip, with fee.)

MUS 202 American Music

3 credits

A survey of the development of music in America, including concert styles, popular, and show music. This course is designed for the general student. (required field trip, with fee.)

MUS 203 Jazz Survey

3 credits

A chronological study of jazz and its antecedents from 1900 to the present. Includes style periods, major artists, relevant historical/sociological background, and the development of listening skills. This course is designed for the general student. (required field trip, with fee.)

MUS 204 Special Topics

3 credits

Prerequisite: Permission

An individual project which could include but is not limited to musical composition, analysis, research, or performance.

MUS 205 World Musics

2–3 credits

A study of various world music including Oriental, African, Eastern European, American jazz, and others, but not including Western art music. Includes study of the structure and the sociological setting of the music, with an emphasis on the development of listening skills. This course is designed for the general student. (Required field trip, with fee.)

MUS 206 Beginning Guitar

3 credits

This course provides class lessons in beginning guitar with an emphasis on learning the fundamentals of music through exercises and varied song material. Students must provide their own acoustic guitar. (Guitar rental is possible from an area music store.)

MUS 207 Introduction to Voice

3 credits

This course is an introduction to singing. Techniques involving breath control, freedom and relaxation of the singing voice, accurate articulation, and projection are emphasized through vocal exercises and class performance in groups and solos. A listening component, as well as required concert attendance, is included. This class is for the general student with little or no previous musical training or background.

MUS 209 Vocal Jazz Ensemble

0–1 credits

The Vocal Jazz Ensemble studies and performs vocal jazz literature of varying styles, including swing, ballad, bebop, Latin, and contemporary. Areas of study include improvisation and scat, ensemble singing, and working with a rhythm section. This ensemble meets three hours weekly and will perform several times per semester. Audition required. (repeatable for credit.)

MUS 211 Music Theory I

3 credits

The study of notation, scales, modes, intervals, basic harmony, instruments, voices, and style periods. The course also includes ear-training and sight-singing and keyboard skills.

MUS 212 Music Theory II

3 credits

Prerequisite: MUS 211

A continuation of MUS 211, including seventh chords, modulation, secondary dominants, two- and three-part form, and an overview of American music forms and styles. The course includes a continuation of ear-training, sight-singing and keyboard skills.

MUS 220 Chamber Singers

0–1 credit

(Audition required)

An ensemble of auditioned voices that perform chamber choral literature from all eras. The ensemble meets three hours weekly, performs in concerts and liturgies, and may tour throughout the year. (repeatable for credit.)

MUS 224 Beginning Conducting

2 credits

Prerequisite: MUS 212

The study of basic conducting skills: beat patterns, attacks, releases, dynamics, tempos, expressive devices, and score reading.

MUS 226 Choral Conducting

2 credits

Prerequisite: MUS 224

A course leading to the refinement of skills learned in beginning conducting. Emphasis is placed on score preparation, interpretation of styles, expressive conducting, and ensemble balance and blend unique to choirs.

MUS 234 Instrumental Conducting

2 credits

Prerequisite: MUS 224

A course leading to the refinement of skills in beginning conducting. Emphasis is placed on score preparation, interpretation of styles, expressive conducting, and ensemble blend and balance.

MUS 281 Intro to the Music Industry

3 credits

Prerequisite: Music Industry majors only.

An introduction to the careers in the total music industry, including the areas of merchandising, songwriting, arranging, publishing and artist management. The class will include at least two required field trips to area music businesses.

MUS 282 Promotion and Marketing in Music

3 credits

Prerequisite: MUS 281

A continuation of MUS 281. Emphasis on music product advertising and promotion, artist management and concert promotion, and retail store policies and procedures relative to sales and service to school music programs. The class will include at least two field trips to area music businesses.

MUS 301 History and Literature of Music I

3 credits

Prerequisite: MUS 212

A study of music in the Western art tradition from the early Greeks through 1600. While the historical, sociological, philosophical, and artistic setting of the musical examples is examined, the style and interrelationships of the examples and their composers are the main emphasis.

MUS 302 History and Literature of Music II

3 credits

Prerequisite: MUS 212

A continuation of MUS 301; history from 1600 to 1900.

MUS 303 Music Since 1900

2 credits

Prerequisite: MUS 312

An integrative study of the history and theory of art music in the 20th Century. This course will examine the historical, sociological, philosophical, and artistic setting of twentieth century music through an examination of compositional methods and materials, history, critical listening, and research.

MUS 311 Music Theory III

3 credits

Prerequisite: MUS 212

A continuation of MUS 212, including 16th century polyphony, fugue, variation forms, and harmonic practices of the 18th and 19th century. Ear-training, sight-singing, and keyboard skills are continued.

MUS 312 Music Theory IV

3 credits

Prerequisite: MUS 311

A continuation of MUS 311, including harmonic practices of the late 19th century, sonata allegro and rondo forms, and 20th century compositional techniques. Ear-training, sight-singing, and keyboard skills are continued.

MUS 376 Junior Recital

½ credit

(Music majors and minors only)

A course leading to the culminating performance on an instrument or voice for which the student will be evaluated.

MUS 381 Legal Issues in Music

3 credits

Prerequisite: MUS 282

A survey of legal issues in the music business, including international copyright law, music licensing agencies, and contracts in the performance and music publishing and recording industry.

MUS 382 Practicum in Music Administration

3 credits

Prerequisite: MUS 381

Field experience in the student's area of interest in the music industry. Taken for at least two semesters; repeatable for credit.

MUS 388 Practicum in Sound Recording

3 credits

Prerequisite: MUS 281, Mus 282, Mus 381

A practicum in sound recording in which the student will learn the basics of sound recording, including studio recording procedure, operation of standard recording equipment, mixing, and mastering. The experience will take place in an area music recording studio.

MUS 397 Internship

1–3 credits

Prerequisites: BUA 203, MUS 382

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

MUS 404 Special Topics

1–3 credits

Prerequisite: Permission

An individual project which could include, but is not limited to, musical composition, analysis, research, or performance.

MUS 408 Jazz Techniques for the Music Educator

3 credits

Prerequisites: MUS 208, MUS 210

This course is designed to prepare the future music educator for successful experiences in teaching jazz at the secondary level. Students will gain insights into performance and rehearsal techniques for the instrumental jazz ensemble. In addition, approaches for teaching jazz improvisation and selecting literature for young students will be explored. Other topics will include programming, style considerations, articulation, and jazz festival participation.

MUS 411 Arranging

1 credit

Prerequisite: MUS 311

A course that prepares the prospective music teacher to arrange and adapt music for various ensembles.

MUS 414 Independent Study

1–3 credits

Prerequisite: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

MUS 476 Senior Recital

1 credit

(Music majors and minors only)

A course leading to the culminating performance on an instrument or voice for which the student will be evaluated.

MUS 497 Internship

1–4 credits

Prerequisites: BUA 203, MUS 382

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

NRS NURSING**NRS 200 Health Promotion, Wellness, and Safety Across the Lifespan**

6 credits

Prerequisites: BIO 205, BIO 210, CHE 103, ENG 106, PSY 105, SWK 210

Prerequisite or corequisite: NRS 215

Corequisite: NRS 230

(Admission to the major)

This course will introduce foundational concepts and skills in the form of nursing health promotion strategies to facilitate individual and group wellness and safety across the lifespan. The development of disease states and methods to prevent or decrease risk factors will be discussed. Emphasis is on the role of the professional nurse in planning and implementing nursing care, effective teaching, and interventional behaviors for individuals and families. Emphasis will be placed on normal growth and developmental changes across the lifespan addressing health promotion, wellness, and safety concerns in the care of patients.

NRS 215 Introduction to Pharmacology

3 credits

This course focuses on acquiring and expanding knowledge, skills, and attitudes of basic concepts and principles in pharmacology and drug classifications to include metabolism, action, use, adverse effects and treatment implications. Topics include the roles and responsibilities of the health care professional in the legal, ethical, safe, and effective medication administration.

NRS 230 Health Assessment

4 credits

Prerequisites: BIO 205, BIO 210, CHE 103, ENG 106, PSY 105, SWK 210

Prerequisite or corequisite: NRS 215

Corequisite: NRS 200

(Admission to the major)

This course provides the knowledge of health history taking, physical assessment, and documentation. The student will acquire needed skills to conduct a comprehensive health assessment including the physical, psychological, social, functional and environmental aspects of health. Integrated in this is the collection and analysis of data which are essential in planning safe and effective care. Effective communication, assessment, and documentation will be practiced in the laboratory setting. The student will become familiar with the techniques of physical assessment consisting of inspection, palpation, percussion, and auscultation. Emphasis is placed on health assessment as a systematic and organized examination that will provide accurate data from which to form valid nursing diagnoses and plans of care.

NRS 300 Patient Centered Care Across the Lifespan I

6 credits

Prerequisites: NRS 200, NRS 215, NRS 230

Corequisite: NRS 425, NRS 450, NRS 461

This course focuses on the conceptual analysis of health problems, diagnoses, and interventions related to the acquisition and expansion of knowledge, skills, and attitudes gained in previous courses related to holistic care of individuals and families affected by selected disorders across the life continuum.

NRS 301 Humanitarian Mission

1 credit

Restricted to sophomores and above in good standing

Introduction to concepts of culture, health practices and health education from a personal and global perspective through lived experience with an underserved population. Topics include reflection on personal values, human rights to health care, health care provider responsibility to facilitate/provide health care and health education, similarities and differences between cultures within an underserved population and a student's home community. Course delivery on core concepts and required travel on a medical mission trip.

NRS 315 Psychosocial Integrity Across the Lifespan

3 credits

Prerequisites: NRS 200, NRS 215, NRS 230

Corequisite: NRS 300, NRS 325, NRS 365

This course focuses on the growth of typical and adaptive psychosocial health behaviors across the lifespan and the most common mental health problems associated with children, adolescents, adults, and older adults exploring the mental and emotional difficulties and developmental needs that everyone faces. Specific attention is given to therapeutic communication techniques dealing with individuals and families across the lifespan. This course includes both clinical and service-learning components.

NRS 325 Health Care Systems

2 credits

This course explores the structure of health care policy, organization of health care delivery systems, health care financing, and their inter-relationships. Emphasis is placed on nursing's and other selected health professionals' role impact on the health care environment.

NRS 335 Research in Health Care

3 credits

Prerequisite: NRS 300, NRS 315, NRS 325, NRS 365

Corequisite: NRS 350

This interdisciplinary course focuses on the use of scientific research as a basis for understanding and improving clinical practice. Topics include differentiation between various forms of written communication, utilizing former research to support a position and/or develop new research proposals, organizing and writing research papers, and producing visual aids for oral presentations. Emphasis in this course is on the critical review of research studies and their applications for evidenced-based clinical practice. This is a writing intensive course.

NRS 350 Patient Centered Care Across the Lifespan II

6 credits

Prerequisite: NRS 300, NRS 315, NRS 325, NRS 365

Corequisite: NRS 335

This course focuses on the conceptual analysis of health problems, diagnoses, and interventions related to the acquisition and expansion of knowledge, skills, and attitudes gained in previous courses related to holistic care of individuals and families affected by selected disorders across the life continuum.

NRS 365 Health Care Informatics

2 credits

Prerequisite: NRS 200, NRS 215, NRS 230

This course focuses on core concepts, skills, and tools that define the health care informatics field, including the examination of health information technologies to promote safety, improve quality and foster consumer centered care and efficiency.

NRS 400 Patient Centered Care Across the Lifespan III

6 credits

Prerequisite: NRS 335, NRS 350

Corequisite: NRS 415, NRS 430

This course focuses on the conceptual analysis of health problems, diagnoses, and interventions related to the acquisition and expansion of knowledge, skills, and attitudes gained in previous courses related to holistic care of individuals and families affected by selected disorders across the life continuum.

NRS 415 Leadership and Health Care Professionals

3 credits

Prerequisite: NRS 335, NRS 350

Corequisite: NRS 400, NRS 430

This course differentiates leadership and followership and emphasizes major behavior patterns that effective leaders use to influence followers, including various leadership models. Topics include what effective leaders really do and how leaders can diagnose and modify situations to make their leadership a more positive and productive endeavor within the health care field.

NRS 430 Population Health Nursing

5 credits

Prerequisite: NRS 335, NRS 350

Corequisite: NRS 400, NRS 415

This course focuses on acquiring knowledge, skills, and attitudes related to population focused care. Concepts of population based health promotion and disease prevention will be explored. Through the use of community needs assessments and national health care objectives, patient centered care is applied to aggregates established by geopolitical boundaries.

NRS 450 Patient Centered Care Across the Lifespan IV

4 credits

Prerequisite: NRS 400, NRS 415, NRS 430

Corequisite: NRS 425, NRS 461, NRS 470

This course focuses on the conceptual analysis of health problems, diagnoses, and interventions related to the acquisition and expansion of knowledge, skills, and attitudes gained in previous courses related to holistic care of individuals and families affected by critical illness disorders across the life continuum.

NRS 455 Maternal-Child Nursing Care

2 credits

Prerequisite: NRS 400, NRS 415, NRS 430

Corequisite: NRS 450, NRS 461, NRS 470

Focuses on the systematic analysis of health problems, diagnoses, and interventions related to the acquisition and expansion of knowledge, skills, and attitudes gained in previous courses related to holistic care of individuals and families during maternal and pediatric experiences.

NRS 461 Concept Synthesis

1 credit

Prerequisite: NRS 400, NRS 415, NRS 430

Corequisite: NRS 425, NRS 450, NRS 470

This course is a focused review of content pertinent to the NCLEX-RN® test plan based on group performance on a standardized comprehensive predictor exam. Emphasis is also placed on student progress on the individualized focused review.

NRS 470 Senior Capstone

4 credits

Corequisite: NRS 450

This course focuses on integration and application of the knowledge, skills and attitudes gained throughout the curriculum. The emphasis is on clinical competency and demonstration of the graduate learning outcomes in an area of student interest.

NRS 471 Advanced Care of the Obstetrical Patient

1 credit

Prerequisite: NRS 400 and Permission

The student acquires knowledge about families experiencing the birth of a child. Emphasis is placed on the biopsychosocial, intellectual, and spiritual needs of the mother and father, the baby, and significant others. The student grows in the maturing professional nurse role by prescribing, designing, developing, utilizing, and evaluating the nursing process and the teaching-learning process in assisting the family with health enhancement and health maintenance needs.

NRS 473 Advanced Care of the Psychiatric Patient

1 credit

Prerequisite: NRS 400 and Permission

This course focuses on integration and application of the knowledge, skills and attitudes gained throughout the curriculum. The intent of this course is to foster deeper knowledge of psychiatric nursing, allowing students to go beyond basic nursing concepts and require deeper thinking and problem solving. The students will be introduced to critical thinking and clinical reasoning methods and apply those to case studies. Students will also bring examples from their capstone clinical experiences into this course as scenarios within which they can practice clinical reasoning and develop their clinical judgment skills. The framework will be the Marian University program outcomes.

NRS 474 Advanced Care of the Medical/Surgical Patient

1 credit

Prerequisite: NRS 400 and Permission

This course focuses on integration and application of the knowledge, skills and attitudes gained throughout the curriculum. The intent of this course is to foster deeper knowledge of medical/surgical nursing, allowing students to go beyond basic nursing concepts and require deeper thinking and problem solving. The students will be introduced to critical thinking and clinical reasoning methods and apply those to case studies. Students will also bring examples from their capstone clinical experiences into this course as scenarios within which they can practice clinical reasoning and develop their clinical judgment skills. The framework will be the Marian University program outcomes.

NUR NURSING

NUR 225 Nutritional Concepts

2 credits

Prerequisite or corequisite: NUR 201

The student is provided the opportunity to acquire knowledge about selected nutrients in nutritional health. Emphasis is placed on nutritional physiological needs, assessment and support throughout the lifespan, and implications surrounding nutritional deficits. Elements of client education are also examined. Knowledge gained promotes insights into the professional role by enabling the student to form values, communicate, think critically, and make decisions related to maximum nutritional health potential. (Open to non-nursing majors.)

NUR 305 Transcultural Nursing and Health

2 credits

Prerequisite: NUR 202

The student acquires knowledge through opportunities to learn about culture and its relationship to health practice from a personal and global perspective. The course assists the student to acquire knowledge about his or her own culture and other cultures. This provides the student with different cultural insights and a deeper appreciation of human life and values.

NUR 309 Pharmacological Intervention of Disease Process

4 credits

Prerequisite or corequisite: NUR 312

The student will expand the understanding of pharmacological agents that may be used to alter pathophysiological mechanisms. Specific drug actions and interactions at the cellular level to promote repair, alter, or interfere with cell function will be analyzed.

NUR 312 Professional Nursing Concepts

3 credits

(All but 12 credits in the Liberal Arts Core Curriculum must be completed before enrolling in this course)

This bridge course to baccalaureate and higher degrees in nursing focuses on the concepts of professional nursing and includes the knowledge, skills, attitudes, and values that are essential to professional nursing practice. The challenges of returning to school as a working adult are explored along with topics pertaining to nursing history, nursing theories, safety and quality issues in health care, workforce diversity, and various health care influences on nursing practice. Outcomes for graduates of baccalaureate nursing programs, delineated in *The Essentials of Baccalaureate Education for Professional Nursing Practice* (AACN, 2008) are introduced and include the concepts of patient-centered care, patient safety and care quality, professional collaboration, and evidence-based nursing practice.

NUR 321 Research Essentials for Evidence-Based Practice

3 credits

Prerequisite or corequisite: NUR 312

The research process, including problem identification and methodologies, provides the basis for understanding how research evidence is used to inform professional nursing practice. The application of research evidence to nursing practice is facilitated through the analysis and critique of published research studies. Various evidence-based practice models are appraised for their use in students' practice settings.

NUR 328 Health Care Informatics

3 credits

Prerequisite or corequisite: NUR 321

The core concepts, skills, and tools that define the field of health care informatics are introduced. Emphasis is on the use of informatics and technology to inform and support professional nursing practice, including the application of health information technologies to patient safety and quality improvement efforts. The use of health care informatics to support consumer-centered care and evidence-based practice, improve efficiencies in health care systems, and promote competency in the use of technology skills is explored.

NUR 404 Special Topics

1–3 credits

A detailed examination of a current issue in nursing. Material covered varies according to expertise of individual instructors.

NUR 414 Independent Study

1–3 credits

Prerequisite: 3.0 GPA and permission

A student-designed learning experience which is submitted in proposal form to a nursing faculty member in order to develop a mutually acceptable independent study plan. This faculty-guided experience allows students of superior ability to pursue a topic of interest not available through regular courses.

NUR 405 Health Care Delivery Systems

3 credits

The main features and functions of health care delivery systems in the U.S. are introduced to students. The relationships between and among health care organizations, providers of care, health care policy and regulation, and reimbursement systems are explored in the contexts of accessibility, accountability, affordability, and patient-centered care. The unique roles of various health care disciplines in assuring health care quality in a climate of health care reform efforts are analyzed.

NUR 424 Nursing Leadership in Health Care

4 credits

Prerequisites: SWK 422

Emphasis is on behavior patterns that effective leaders use to influence others and includes various leadership models. Students have the opportunity to develop skills in leadership and apply their knowledge and experience within health care organizations to collaborate with, influence, and manage patients, providers, and other health care professionals for the purpose of providing patient-centered care. Effective communication techniques and the use of research evidence for decision making facilitate growth in critical thinking and clinical judgment.

NUR 435 Public Health Nursing

4 credits

Prerequisite: NUR 330, NUR 335, NUR 340, NUR 341, NUR 350, NUR 351 or NUR 312

The student is provided an opportunity to acquire knowledge on the art and science of public health nursing exploring concepts of epidemiology, natural history of disease and disease surveillance and control. Through the use of community needs assessments and National Health Care Objectives (Healthy People 2010), the nursing process is applied to care of aggregates established by geopolitical boundaries. The continued development of cultural diversity, infectious disease, policy development, and community health education strategies are explored. The clinical component enables the student to demonstrate the processes of acquiring knowledge, forming values, and developing skills related to communication, critical thinking, and decision-making to assist clients toward maximum health potential.

NUR 444 Parish Nursing

3 credits

The Faith Community Nursing Program prepares experienced registered nurses for ministry integrating spirituality, health, and wholeness within their community. Students will examine the spiritual dimensions of nursing, personal spirituality, the process of

developing a faith community nurse program, and review the application of community health nursing principles. The International Parish Nurse Resource Center curriculum will be followed.

NUR 458 Trends and Issues in Health Care

2 credits

Students explore the political, economic, societal, technological, and professional influences on health care policy and practice. Current literature, existing and proposed health care policies, and professional position statements are examined and analyzed in the context of the health care industry in general and patient-centered care specifically. The ways in which sociopolitical, environmental, and cultural issues influence the availability and delivery of health care services are also discussed.

NUR 467 Theoretical Foundations for Nursing Practice

3 credits

The theoretical bases for professional nursing practice are explored through analysis of selected theories and practice models, and examination of the relevance of theory to practice, research, and education in nursing. The behaviors, attitudes, and values necessary for theory-based professional nursing practice in the context of individual, family, and population health are discussed. Students apply critical thinking skills and beginning scholarship through synthesis of information found in assigned readings and the nursing literature.

NUR 475 Structure and Philosophy of Palliative Care

3 credits

(For RNs only)

This course assists the RN to describe and differentiate the structure and practice of palliative care. It adds knowledge upon which the RN can build/add interventions. The course expands not only the nurse role in palliative care interventions, but also provides knowledge of the expanding role of other members of the health care team. It addresses both identified and expressed spiritual, religious, and existential needs of the patient and family, and utilizes this information in the development of the individualized plan of care. The focus is on holistic care of the patient and family.

NUR 480 Psychosocial and Cultural Aspects of Palliative Care II

3 credits

Prerequisite: NUR 475

(For RNs only)

This course assists the RN to assess psychological, social, psychiatric, pharmacologic, non-pharmacologic, and complimentary alternative medicine issues, and integrates assessments and intervention strategies of other health care disciplines to develop an individualized plan of care within the realm of the patient and family goals. Provides knowledge of how to employ and facilitate grief and bereavement support to the patient and family utilizing accepted community, cultural, religious, and spiritual programs.

NUR 485 Physical Care of the Imminently Dying

3 credits

Prerequisite: NUR 480

(For RNs only)

This course assists the RN to analyze differential diagnosis and develop appropriate clinical judgments for pain, other symptoms, and treatment of side effects that include multi-system and functional health problems. It provides knowledge to recognize the signs and symptoms of the dying process from the life review period to the imminent death period. Communicate treatment, grief, and bereavement alternatives to patient and family, and document appropriately, and coordinate plan of care modality to family and other health care disciplines.

PHI PHILOSOPHY

PHI 130 Philosophy and Values

3 credits

This course examines and practices critical thinking as the primary vehicle for understanding and appreciating the value of living the "examined life." Various areas of philosophy and philosophical texts are studied with the intention of facilitating familiarity with and participation in the philosophical process. Much attention is given to articulating, examining, and integrating fundamental assumptions, values and beliefs in an effort to develop self-knowledge, meaningful dialogue, social responsibility, and compassionate understanding.

PHI 132 The Examined Life

3 credits

Prerequisite: GEN 101

This introductory philosophy course builds on the critical reading and thinking outcomes students will have achieved in the First-Year Seminar and prepares students for their future studies and for life by leading them to develop their abilities in three outcome areas: interpretive reasoning, critical reasoning and global citizenship. Through engagement with historical, multicultural, and contemporary texts students will learn how to interpret texts, move from evidence to conclusions and use their interpretations and conclusions to live a more examined life.

PHI 204 Special Topics

3 credits

Prerequisite: PHI 130 or PHI 132

An examination of special areas or problems in philosophy not specifically dealt with in other courses. Examples would be philosophy in literature, philosophy of history, evolutionary-process philosophy, personalism, and philosophy of environment.

PHI 212 Contemporary Ethical Issues

3 credits

Prerequisite: PHI 130 or PHI 132

A study of selected ethical issues. Areas of this study will vary, but examples of ethical concern include human rights and responsibilities, social and racial justice, and selected issues from medical, business, and environmental ethics.

PHI 220 Bioethics

3 credits

Prerequisite: PHI 130 or PHI 132

A course designed specifically for those concerned with ethical problems facing medical professionals and generally for anyone with an interest in the relation of ethics to biomedical issues. The course examines the nature of ethics and morality, the variety of ethical theories and normative ethical principles, and the practice of applying such concepts to specific cases and issues within the biomedical sciences. Topics covered include issues in the professional–patient relationship, termination of life, reproductive rights and technologies, and allocation and public policy.

PHI 231 Business Ethics

3 credits

Prerequisite: PHI 130 or PHI 132

An examination of the private, corporate and social dimensions of business life in the context of a total ethical life. Economic theories and actual business practices and cases are considered and evaluated from the perspective of established normative ethical principles.

PHI 304 Art and Culture

3 credits

Prerequisite: PHI 130 or PHI 132

A study of the arts as creative vehicles expressing personal, moral, aesthetic, social, and political values. The course stresses the arts as individually creative and personal, but also as value-laden expressions.

PHI 305 Philosophy of Love and Friendship

3 credits

Prerequisite: PHI 130 or PHI 132

This is a philosophical examination of human relationships in general; however, the primary emphasis is on exploring the nature and meaning of love and friendship. Considerable attention is given to current and historical perspectives and a variety of gender and social issues. More specific areas include deception, trust, honesty, self-knowledge, commitment, intimacy, genuine compassion, and sexuality. Many insights from a variety of perspectives — psychological, historical, religious, literary — are integrated, and particular consideration is given to several significant feminist views.

PHI 306 Ethics of Gender, Race, and Class

3 credits

Prerequisite: PHI 130 or PHI 132

This course focuses on the meaning and significance of social justice through a critical examination of concepts and issues pertaining specifically to gender, race and class, as well as to difference in general. Considerable attention is given to identifying and understanding the values, beliefs, and assumptions that form the basis of prejudice, inequality, privilege, and oppression. Insights from a variety of perspectives and disciplines are integrated with philosophical analysis, much of which involves ethical reasoning and theory application.

PHI 312 Existentialism

3 credits

Prerequisite: PHI 130 or PHI 132

A study of existentialism first as a historical phenomenon and then as a philosophy. Themes important to the existential movement are analyzed, such as freedom, alienation, co-existence, self-decision, death, value and subjectivity, as expressed in the writings of selected existential writers.

PHI 315 The Media and Identity

3 credits

Prerequisite: PHI 130 or PHI 132

This course integrates philosophical analysis with cultural and media studies in order to examine the profound cultural role that the media play in shaping individual and social experience—how media production, content and reception affect the way in which we think, understand ourselves, perceive the world and live from day to day in an environment which is largely media-constructed. Through the application of critical thinking and various theoretical perspectives, we investigate how media representations significantly contribute to the formation of identities, values, beliefs, assumptions, social institutions, and social practices. Specific attention is given to (1) how various media forms and genres—such as television, film, the internet, art, advertising, news reporting, music recording—produce and communicate meaning; and (2) how audiences receive, interpret, and respond to media-generated content.

PHI 316 Social and Political Philosophy

3 credits

Prerequisite: PHI 130 or PHI 132

An investigation of political activity at all levels of society. This course studies the workings of government, the politics that occurs outside of the governmental sphere, and the foundational arguments that justify or challenge all of the structuring of power involved therein. Our focus will be on the importance of politics for human society, the hopes one can reasonably entertain for such politics, and the possibility and desirability of various conceptions of a utopia society.

PHI 318 Buddhism and the Mind

3 credits

Prerequisite: PHI 130 or PHI 132

This is an introduction to Buddhism with particular emphasis on its philosophical and psychological foundations. Particular attention will be given to the similarities and differences between Asian and Western philosophical, psychological, and ethical perspectives; the fundamental insights of Hinduism, Indian Buddhism, and Taoism that form the foundation of Zen Buddhist thought and practice; how mindfulness and Buddhist meditation serve as the basis of psychological insight and self-understanding; and the extent of Buddhism's influence on Asian culture and on Western thought, especially philosophy and psychology.

PHI 320 Philosophy of Law

3 credits

Prerequisite: PHI 130 or PHI 132

What is law? This is a philosophical investigation into the depths of human society to discover the very nature and idea of law. Law is something that humans require to live with one another, it effects all humans, has been around for thousands of years, yet it is any abstract idea that can seem quite complicated and difficult to grasp. This class will shine the light of thoughtful examination on: different theories of law and jurisprudence; the difference between legal rules and ethical norms; the rights of citizens and the state; the legality of civil disobedience; the need for liberty and the limits of law; the ideal form of judicial reasoning; and theories of punishment.

PHI 397 Internship

1–3 credits

Prerequisite: PHI 130 or PHI 132

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

PHI 404 Special Topics

1–3 credits

Prerequisite: PHI 130 or PHI 132

An examination of special areas or problems in philosophy not specifically dealt with in other courses. Examples would be philosophy in literature, philosophy of history, evolutionary-process philosophy, personalism, and philosophy of environment.

PHI 414 Independent Study

1–3 credits

Prerequisites: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

PHI 425 Seminar in Philosophy

3 credits

Prerequisite: Permission

This course provides a seminar setting for students to do original research and independent writing in philosophy. Students will produce a substantial written work appropriate in length, form, and topic to a capstone course. Students will also gain experience with the format of philosophy conference and philosophy journals. Topics will vary. This course may be taken more than once.

PHI 497 Internship

1–3 credits

Prerequisite: PHI 130 or PHI 132

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

PHS PHYSICAL SCIENCE

PHS 100 Introduction to Physical Science

3 credits

A general introduction to the basic principles of chemistry and physics and their application in contemporary society.

PHS 102 Introduction to Physical Science and Lab

4 credits

A general introduction to the basic principles of chemistry and physics and their application in contemporary society. The course, for non-science and non-nursing majors, includes a laboratory experience with experiments designed to assist the student in understanding the concepts discussed in lecture.

PHS 108 Earth Science and Lab

4 credits

An introduction to the physical nature and processes of the earth, along with the chemical bases for them. Dynamic processes of landscape formation and change as shaped by the forces of plate tectonics, weather and ground and surface water will be studied. Planetary geology will be introduced. The laboratories will complement lectures with both indoor study and field trips to study local examples.

PHS 110 Introduction to Meteorology and Lab

4 credits

A course in the basics of meteorology in which students study the atmosphere and its physical processes, including large-scale climatological and local weather phenomena and their impact on society, and on other aspects of ecological systems. Measurement of such physical characteristics as temperature, atmospheric pressure, humidity, and wind along with data collection and analysis are included in laboratory exercises. Mathematical problem-solving skills will be emphasized. Professional meteorology and

climatology are examined. Unusual and dangerous weather conditions and their causes and effects are studied, and students are introduced to microclimatology.

PHS 111 Introduction to Meteorology

3 credits

(AGS students only)

This course will introduce students to the fundamentals of atmospheric science: basic atmospheric structure and composition; the earth's solar radiation and heat energy budgets; the large-scale circulation of the global atmosphere; evolution of mid-latitude weather systems; severe weather meteorology; hurricane evolution; the earth's climate system, greenhouse effect, and global warming; stratospheric ozone depletion; air pollution; atmospheric moisture content measures; cloud formation and types and atmospheric stability.

PHS 115 Introduction to Astronomy

3 credits

(AGS students only)

This introductory course in astronomy for liberal arts students concisely covers the field of astronomy from our own solar system to the consideration of our universe as a whole. Each class meeting will include hands-on experiments that will make use of planetarium software (included in textbook) and real astronomical data.

PHS 150 Introduction to Physical Science Laboratory

1 credit

Prerequisite: Grade of C or higher in PHS 100

This laboratory is intended for students who are required to take a one-credit physical science laboratory. (Not available to students who have taken a 4-credit physical science course with a laboratory.)

PHS 201 General Physics I

4 credits

Prerequisite or Corequisite: MAT 112 or MAT 114 with a grade of C or better, or appropriate math placement test score

A lecture laboratory course that stresses the fundamental principles of mechanics, kinematics, momentum, statics, work, and energy. Students find this general introductory course in physics complements work in the sciences and mathematics.

PHS 202 General Physics II

4 credits

Prerequisite: PHS 201

A continuation of PHS 201 including the principles of wave theory, light and optics, electricity and magnetism, and atoms and radioactivity.

PHS 203 University Physics I

5 credits

Prerequisite or corequisite: MAT 201

This is a lecture and laboratory course which stresses the fundamental principles of mechanics, momentum, work, and energy, rotational motion, and fluid statics and mechanics. The course will use calculus in derivation of the laws of physics as well as in problem-solving.

PHS 204 Special Topics

1–5 credits

A course allowing for instruction in areas not included in the regular physical science curriculum. Topics vary according to the expertise of individual instructors.

PHS 205 University Physics II

5 credits

Prerequisite: PHS 201, permission or PHS 203

This course is a continuation of PHS 203. It will include wave motion, electricity and magnetism, optics, and special relativity.

PHS 211 Elementary Physics

5 credits

Prerequisite: MAT 112 or MAT 114 with a grade of C or better, or appropriate math placement test score

A one-semester lecture and laboratory physics course. Topics addressed include the fundamentals of kinematics, dynamics, statics, oscillation, electromagnetism, and optics.

PHS 404 Special Topics

1–5 credits

A course allowing for instruction in areas not included in the regular physical science curriculum. Topics vary according to the expertise of individual instructors.

POS POLITICAL SCIENCE

POS 205 American Government

3 credits

An introductory course that studies the nature and purpose of national, state, and local government, the Constitution, and the institutions and pressures of American society.

PSY PSYCHOLOGY

PSY 101 General Psychology

3 credits

An introduction to the science of psychology through a survey of the biological, intra-psychic, and social bases of behavior. Major topics include cognition, sensation and perception, motivation and emotion, personality, behavior disorders, and social elements of behavior.

PSY 105 Human Development

3 credits

A survey of the changes that occur during the entire lifespan as people develop: physical, motor, cognitive, moral, and social–emotional. Developmental theory and research data are critically considered. Application of existing knowledge about the variables that affect the course of development is emphasized.

PSY 202 Social Psychology

3 credits

Prerequisite: PSY 101 or PSY 105

An investigation of the influences of social factors on individual behavior, the role of social cognition when people interact, interpersonal and group dynamics, and application of social–psychological research data to various situations.

PSY 204 Special Topics

1–3 credits

A course allowing for instruction in areas not included in the regular psychology curriculum.

PSY 210 Statistical Techniques for Research Data Analysis

3 credits

Prerequisite: Appropriate math placement test score or MAT 001 with grade of C or higher

An interdisciplinary introduction to the basic principles of data analysis with an emphasis on application. Students are expected to apply these principles to data analysis in their respective areas of study. The applied focus is on the computerized application of summary statistics, one/two/multi-sample tests, linear models, association tests, randomness/normality tests, time series comparison, quality control charts and probability distributions as used across a variety of community and organizational settings. Other techniques may be added as appropriate for specific disciplines.

PSY 211 Abnormal Psychology

3 credits

Prerequisite: PSY 101 or PSY 105

This course explores the major types of psychopathology to include anxiety disorders, personality disorders, mood disorders, schizophrenia, organic brain disorders, substance-related disorders, somatoform disorders, dissociative disorders, eating disorders, sleeping disorders, mental retardation, adjustment disorders, sexual and gender identity disorders, impulse control disorders and delirium, dementia and amnesic disorders. Emphasis is given to the issues surrounding classification, etiology, and treatment.

PSY 222 Human Sexuality

3 credits

Prerequisite: PSY 101 or PSY 105

A consideration of the physical, cultural, and intrapersonal aspects of sexuality in light of how they affect the growth and occurrence of sexual behavior. The conceptual core of this course is the idea that human sexual behavior follows the same rules and is directed to many of the same ends as other human behavior.

PSY 301 Drugs and Behavior

3 credits

Prerequisite: PSY 101 or PSY 105

An examination of the relationship between brain chemistry and behavior. Special attention is paid to drug use/abuse and the application of drugs to the treatment of psychological disorders.

PSY 302 Introduction to Clinical Counseling

3 credits

Prerequisites: PSY 101 or PSY 105, and PSY 308

A survey course designed to acquaint the student with the general principles of psychological counseling and psychotherapy. In addition, examples of counseling approaches from the psychodynamic, behavior and learning, cognitive, humanistic, and selected recent models are discussed. A brief introduction to group counseling, family therapy, and crisis intervention is also included.

PSY 308 Theories of Personality

3 credits

Prerequisites: PSY 101 or PSY 105

A survey of major theories of personality functioning, covering such areas as the nature, determinants, development, structure, motivational bases, and dynamic operations of the human personality. Examples of theories from the following areas are treated: psychodynamic, behavior and learning, cognitive, humanistic–phenomenological, trait, and Eastern. Each theory is critically analyzed in terms of its assumptions, logical cohesiveness, research support, and applications.

PSY 311 History and Systems of Psychology

3 credits

Prerequisite: PSY 101 or PSY 105

A survey of development of modern psychology from its physiological and philosophical roots to the present status of various contemporary theories and systems.

PSY 314 Positive Psychology

3 credits

Prerequisite: PSY 101 or PSY 105

Positive psychology focuses on the strengths within the individual versus the more traditional focus of pathology. A comparison between past psychological theories and this more contemporary theory of psychology will be explored. The course will teach students how to evaluate, understand, and how to identify strengths within themselves and others. Additionally this course will offer the opportunity to learn how to utilize these identified strengths in order to reach greater levels of happiness, accomplishment and satisfaction.

PSY 321 Applied Behavior Modification

3 credits

Prerequisite: PSY 101 or PSY 105

A focus on practical techniques derived from theory and research in learning. Emphasis is on assessment, intervention, and evaluation in both clinical and non-clinical settings.

PSY 322 Childhood Psychopathology

3 credits

Prerequisite: PSY 101 or PSY 105

A survey of a broad range of psychopathological disorders which can affect children and adolescents. Attention is given to description, assessment, and theoretical and empirical explanations for and treatment of the disorders.

PSY 330 Forensic Psychology

3 credits

Prerequisite: PSY 101 or PSY 105

Focuses on the production and application of psychological knowledge and research findings to both civil and the criminal justice systems. Topics include competency evaluations of criminal defendants and of the elderly, screening/selection of law enforcement applicants, the delivery and evaluation of intervention and treatment programs for juvenile and adult offenders, police and investigative psychology, and psychopathy.

PSY 331 Neuroscience

3 credits

Prerequisites: PSY 101 or PSY 105 and BIO 100 or BIO 101

An examination of the data and theories which help us to understand the connections between our bodies and our actions. The anatomical, physiological, and chemical correlates of a wide range of human activities, from simple reflexes to complex decision making and thinking, is examined. The issue of brain damage and recovery from it is also considered.

PSY 340 Field Experience

1–3 credits

(Psychology majors only)

Prerequisites: PSY 101, PSY 105, Permission

Exposure to the realities of work through experiences in settings where psychological services are being provided. (Repeatable for up to 6 credits)

PSY 341 Cognitive Psychology

3 credits

Prerequisite: PSY 101 or PSY 105

This course examines the underlying basis for human skills in learning, perception, attention and memory, language, problem solving, and decision-making. The focus is on current knowledge about the processes, structures, and mechanisms that contribute to human cognition. Some application of this knowledge to fields such as law, education, and clinical psychology will be included.

PSY 342 Research Methods

3 credits

Prerequisite: PSY 210 or SWK 210 or CRJ 241 or HOS 214

This course presents the basic principles and methods of social science research. Students are introduced to techniques for critical analysis of the professional practice literature and how, as consumers, they can incorporate research findings in practice. Students also acquire knowledge and skills for applying research in their practice. Similarities between the research and problem-solving processes are identified, beginning with conceptualization of the research question, followed by determination of the appropriate design and methodology, and concluding with qualitative and quantitative data analysis and presentation of findings. Professional values and ethics, as well as sensitivity to human diversity, are subsumed within the conduct of research.

PSY 360 Practicum in Research I

1–3 credits

(Also CRJ 360)

Prerequisite: Permission

Introduction to the practice of developing research skills in the major. Perform, under supervision, various tasks associated with the research process. Tasks may include collection of data, development materials, literature searches, data analysis, report preparation, or other activities.

PSY 362 Practicum in Research II

1–3 credits

(Also CRJ 362)

Prerequisites: PSY 360, Permission

A continuation of PSY 360, a further practice of developing research skills in the major will be explored. Perform, under supervision, various tasks associated with the research process. Tasks may include collection of data, development materials, literature searches, data analysis, report preparation, or other activities.

PSY 397 Internship

1–3 credits

Planned and supervised work experience in psychology. A faculty mentor supervises the experience and evaluates fulfillment of the planned objectives. Internships are unpaid experiences.

PSY 402 Senior Seminar in Psychology

3 credits

(Psychology majors only)

A forum for discussion for graduating seniors. Completion of a project that demonstrates the student's ability to integrate and apply acquired knowledge in psychology is required.

PSY 404 Special Topics

3 credits

Prerequisite: PSY 101 or PSY 105

Discussion of modern theory and research in psychology as applied to general and specific areas of study. A subtitle indicating the specific subject is added each time the course is offered.

PSY 411 Preparation for Research

1 credit

Prerequisites: PSY 101 or PSY 105, PSY 342, SWK 210

Identification of an issue, performance of a literature search, and statement of a research question or hypothesis. Development of a research study to test the idea, including working out the required methodological aspects.

PSY 412 Data Collection and Report Preparation

2 credits

Prerequisite: PSY 411

Implementation of the research study, collection of the data, and analysis of it. Writing a complete report of the research, with appropriate conclusions.

PSY 414 Independent Study

3 credits

Prerequisite: Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

PSY 497 Internship

1–3 credits

Planned and supervised work experience in psychology. A faculty mentor supervises the experience and evaluates fulfillment of the planned objectives. Internships are unpaid experiences.

RAD RADIOLOGIC TECHNOLOGY

RAD 301 Fundamentals of Radiologic Science and Health Care

0 credits

Prerequisite: BIO 220

(Admission to the major)

This course provides an introduction and orientation to the student's selected profession of medical imaging. This course will also include an introduction to medical terminology for healthcare and specifically the radiologic sciences. Introductory instruction on radiation safety practices prior to the beginning of practicum assignments. ("0" credit receives CR/NC grade)

RAD 311 Patient Care in the Radiologic Sciences

3 credits

Prerequisite: PHI 220, PHS 211, RAD 301

Corequisite: RAD 312, RAD 313, RAD 314

This course provides the student with concepts of patient care including considerations of physical and psychological conditions. Routine and emergency patient care procedures will be described; especially those that directly affect personnel and patients in the Radiology Department concerning X-ray procedures. Pharmacologic issues related to Radiology will also be discussed.

RAD 312 Principles of Radiographic Imaging

4 credits

Prerequisite: MAT 114, RAD 301

Corequisite: RAD 311, RAD 313, RAD 314

This course is intended to provide the student with an in-depth understanding of all photographic and geometric principles that affect the production and appearance of the radiographic image. This includes but is not limited to: determination of radiographic image quality, image geometry, exposure technique selection (from the standpoint of patient radiation exposure and radiographic image quality) and methods of scatter radiation control.

RAD 313 Radiographic Procedures and Image Analysis I

4 credits

Prerequisite: BIO 205, BIO 220, RAD 301

Corequisite: RAD 311, RAD 312, RAD 314

This course provides students fundamental knowledge of the purpose and function of the most common systems (thorax, abdomen, and upper extremities) for which radiographic imaging is done and how they relate to other systems. Radiographic examinations which best demonstrate each system will also be discussed. Laboratory exercises in positioning are carefully correlated with the study of each section. As each system is reviewed radiographic imaging analysis is addressed providing students with the knowledge to determine the diagnostic quality of radiographs and methods to improve the quality of radiographic images. Students receive instruction on exam specific patient radiation protection practices.

RAD 314 Radiographic Practicum I

1 credit

Prerequisite: RAD 301

Corequisite: RAD 311, RAD 312, RAD 313

RAD 314 is the first of an eight part series of practicum courses. This course begins with providing the student with exposure to the radiology department in the hospital setting. Under direct supervision, the student will experience patient interaction by participating in the transportation and care of patients. Assigned clinical rotations will include diagnostic radiographic rooms, fluoroscopic rooms and portable radiographic examinations on the patient floors. Under the direct supervision of a registered radiologic technologist, the student will perform radiographic imaging of the anatomical units that was instructed during the Radiographic Procedures and Image Analysis I course. The student will be instructed on the ancillary activities that are necessary for the successful completion of a medical imaging examination. (CR/NC grade only)

RAD 321 Radiologic Practicum II

1 credit

Prerequisite: RAD 311, RAD 312, RAD 313, RAD 314

RAD 321 is the second of an eight part series of practicum courses. The student will progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision. Students receive introductory instruction on mobile fluoroscopic equipment operation and associated personnel radiation safety practices. At the conclusion of the course the student will be required to pass the progression requirement examination. (CR/NC grade only)

RAD 331 Principles of Radiation Protection and Radiobiology

3 credits

Prerequisite: CHE 103, RAD 321

Corequisite: RAD 332, RAD 333, RAD 334

This course is designed to provide the student with the techniques and methods that can be utilized in order to ensure minimum radiation exposure to patients and occupationally exposed personnel. The principles of ALARA (As Low As Reasonably Achievable) will be stressed in regards to non-occupationally and occupationally exposed individuals. Design requirements for radiographic and fluoroscopic equipment in regards to radiation protection will be discussed as well.

RAD 332 Principles of Radiologic Physics

3 credits

Prerequisite: RAD 321

Corequisite: RAD 331, RAD 333, RAD 334

This course will provide the student with a review of basic physics and introduction of advanced physics concepts related to medical imaging.

RAD 333 Radiographic Procedures and Image Analysis II

4 credits

Prerequisite: RAD 321

Corequisite: RAD 331, RAD 332, RAD 334

This course is a continuation of Radiographic Procedures and Image Analysis I and provides students with the knowledge of the purpose and function of the vertebral column and the lower extremity. Detailed and precise information concerning radiographic positioning is addressed. Laboratory exercises in positioning are carefully correlated with the study of each body system. As each system is reviewed radiographic imaging analysis is addressed providing students with the knowledge to determine the diagnostic quality of radiographs and methods to improve the quality of radiographic images. Students will receive instruction on exam specific patient radiation protection practices.

RAD 334 Radiographic Practicum III

2 credits

Prerequisite: RAD 321

Corequisite: RAD 331, RAD 332, RAD 333

RAD 334 is the third of an eight part series of practicum courses. The student will continue to gain clinical experience in the hospital setting including the addition of clinical rotations at various clinical sites including the Surgery Department. Under the direct supervision of a registered radiologic technologist, the student will perform radiographic imaging of the anatomical units that was instructed during the Radiographic Procedures and Image Analysis II course. The student will continue to progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision. The student will be able to increase his/her clinical experience by increased participation in non-routine radiographic exams. (CR/NC grade only)

RAD 375 Radiologic Technology Clinical I

6 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 380 Radiologic Technology Clinical II

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 390 Radiologic Technology Clinical III

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 395 Radiologic Technology Clinical IV

6 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 400 Radiologic Technology Clinical V

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 410 Radiologic Technology Clinical VI

12 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 415 Radiologic Technology Clinical VII

6 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 420 Radiologic Technology Clinical VIII

15 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 430 Radiologic Technology Clinical IX

15 credits

Prerequisite: Permission

This course will be taken by students enrolled in an approved radiologic technology clinical program. Successful progress in the clinical program will be indicated by submission of transcripts or of verification in writing by the clinical program director. These credits will be part of the 60-credit professional training in radiologic technology required for the BSRT. (CR/NC grade only)

RAD 441 Radiographic Procedures and Image Analysis III

3 credits

Prerequisite: RAD 331, RAD 332, RAD 333, RAD 334

Corequisite: RAD 442

This course is a continuation of Radiographic Procedures and Image Analysis II and provides students with the knowledge related to exams which use radiographic contrast agents in fluoroscopic radiography. Detailed and precise information concerning radiographic positioning used during fluoroscopic exams is addressed. Laboratory exercises in positioning are carefully correlated with the study of each body system. As each system is reviewed radiographic imaging analysis is addressed providing students with the knowledge to determine the diagnostic quality of radiographs and methods to improve the quality of radiographic images. Students will receive instruction on exam specific patient radiation protection practices.

RAD 442 Radiologic Practicum IV

3 credits

Prerequisite: RAD 331, RAD 332, RAD 333, RAD 334

Corequisite: RAD 441

RAD 442 is the fourth of an eight part series of practicum courses. The student will continue to gain clinical experience in the hospital setting, clinical rotations at various clinical sites, and the Surgery Department. Under the direct supervision of a registered radiologic technologist, the student will perform radiographic imaging of the anatomical units that was instructed during the Radiographic Procedures and Image Analysis III course. The student will continue to progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision. The student will be able to increase his/her clinical experience by increased participation in non-routine radiographic exams. At the conclusion of the course the student will be required to pass the progression requirement examination. (CR/NC grade only)

RAD 451 Principles of Specialized Radiographic Modalities and Pharmacology

4 credits

Prerequisite: RAD 441, RAD 442

Corequisite: RAD 452, RAD 453

This course introduces the student to fundamental principles of digital imaging. Computer concepts and terminology will be incorporated throughout the course. This course expands the student's knowledge of anatomy through review of cross sectional anatomy images obtained through Computed Tomography (CT) and Magnetic Resonance Imaging (MRI). The course will also provide the students with a fundamental background in pharmacology including the instruction and demonstration of competency in venipuncture.

RAD 452 Radiographic Procedures and Image Analysis IV

6 credits

Prerequisite: RAD 441, RAD 442

Corequisite: RAD 451, RAD 453

In this course students will be presented with the anatomy and radiographic terminology of the skeletal cranium. Detailed and precise information concerning radiographic positioning is demonstrated. Laboratory exercises in positioning are carefully correlated with the study of the skull, facial bones, and paranasal sinuses. As each component of the skull is reviewed radiographic imaging analysis is addressed providing students with the knowledge to determine the diagnostic quality of radiographs and methods to improve the quality of radiographic images. The anatomy and physiology of the respiratory, circulatory and central nervous systems will be presented as well. Students will receive instruction on exam specific patient radiation protection practices.

RAD 453 Radiographic Practicum V

2 credits

Prerequisite: RAD 441, RAD 442

Corequisite: RAD 451, RAD 452

RAD 453 is the fifth of an eight part series of practicum courses. The student will continue to gain clinical experience in the hospital setting, clinical rotations at various clinical sites, and the Surgery Department. Under the direct supervision of a registered radiologic technologist, the student will perform radiographic imaging of the anatomical units that was instructed during the Radiographic Procedures and Image Analysis IV course. The student will continue to progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision. During this course, the student will participate in assigned clinical rotations during the second shift at one of the hospitals. Students will be assigned clinical rotations in the Computed Tomography Department (CT) while under direct supervision. The student will continue to increase his/her clinical experience by increased participation in non-routine radiographic exams. At the conclusion of the course the student will be required to pass the progression requirement examination. (CR/NC grade only)

RAD 461 Radiologic Practicum VI

1 credit

Prerequisite: RAD 451, RAD 452, RAD 453

RAD 461 is the sixth of an eight part series of practicum courses. The student will continue to gain clinical experience in the hospital setting, clinical rotations at various clinical sites, Surgery Department, second shifts and Computed Tomography Department. The student will continue to progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision of routine and non-routine examinations. At the conclusion of the course the student will be required to pass the progression requirement examination. (CR/NC grade only)

RAD 471 Radiologic Pathophysiology

3 credits

Prerequisite: RAD 461

Corequisite: RAD 472, RAD 473, RAD 474

This course is designed to provide the student with the knowledge of various pathological conditions that can be diagnosed by the use of medical imaging including identifying these conditions on an image. The basic components of pathophysiology and pathology related to the following systems of the body will be discussed: Skeletal, Respiratory, Digestive, Genitourinary, Nervous and Cardiovascular. This course also includes interventional radiology and cardiology's role in the diagnosis and treatment of pathological conditions.

RAD 472 Ethics and Law in Radiologic Sciences

1 credit

Prerequisite: RAD 461

Corequisite: RAD 471, RAD 473, RAD 474

This course will provide the student with professional standards and ethics necessary in the radiologic technology field. The legal, moral and professional ethics of radiology will be discussed so that the student will be able to recognize the needs of the patient, demonstrate empathy, and recognize the need of adherence to legal-ethical principles.

RAD 473 Imaging Equipment and Quality Control

2 credits

Prerequisite: RAD 461

Corequisite: RAD 471, RAD 472, RAD 474

This course provides a review of foundational information on the principles of x-ray generation including the various components, circuitry and physics necessary for the production of ionizing radiation. The various components of the fluoroscopic imaging chain including a review of radiation protection measures will be introduced. A review of radiation protection measures to reduce occupational and non-occupational exposure during the performance of fluoroscopic procedures will occur as well. This course also provides foundational information on the requirements and standards for equipment monitoring to assure consistency that is necessary for the production of quality radiographic images to reduce occupational and non-occupational exposure during the performance of fluoroscopic procedures will be described as well. Various tests and procedures necessary for Quality Control and Quality Assurance programs including state and federal requirements will be discussed.

RAD 474 Radiologic Practicum VII

1 credit

Prerequisite: RAD 461

Corequisite: RAD 471, RAD 472, RAD 473

RAD 474 is the seventh of an eight part series of practicum courses. The student will continue to gain clinical experience in the hospital setting, clinical rotations at various clinical sites, Surgery Department, second shifts and Computed Tomography Department. Additionally, students will be assigned observational clinical rotations in the Magnetic Resonance Imaging (MRI) and Interventional Radiology and Cardiology Departments. The student will continue to progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision of routine and non-routine examinations. (CR/NC grade only)

RAD 475 Radiologic Practicum VIII

1 credit

Prerequisite: RAD 474

Corequisite: RAD 476

RAD 475 is the final course of an eight part series of practicum courses. The student will be allotted two weeks of elective scheduling of clinical rotations. This will provide the student the opportunity to observe various modalities that they have not experienced in previous Radiologic Practicum courses. The student may also elect to schedule additional clinical rotations that they have previously been assigned to for more experience. The student will continue to gain clinical experience in the hospital setting, clinical rotations at various clinical sites, Surgery Department, second shifts, Computed Tomography Department, Magnetic Resonance Imaging (MRI) and Interventional Radiology and Cardiology Departments. The student will continue to progress in the performance of previously instructed radiographic examinations from direct supervision to indirect supervision of routine and non-routine examinations. (CR/NC grade only)

RAD 476 Senior Capstone

4 credits

Prerequisite: RAD 474

Corequisite: RAD 475

This course provides students with the skills to be successful on the American Registry of Radiologic Technologists (ARRT) examination and skills to prepare them to secure a radiologic technologist position. Students' knowledge base in Radiologic Technology will be assessed with areas for improvement identified and strategies developed in order to improve performance. During this course the students will attend the Wisconsin Association of Educators in Radiologic Technology (WAERT) Student Seminar where they will have the opportunity to increase their preparedness by participating in additional material review presentations by various speakers. Students will receive instruction and assistance with resume and cover letter writing and interview skills. Students will also participate in mock interviews receiving feedback from local healthcare organization human resource recruiters.

SDM 425 Senior Project

1 credit

Under the direction of a faculty advisor, the student will develop and present a final paper, project, or performance that assimilates and integrates the disciplines studied in the student's self-designed major.

SEC MIDDLE–SECONDARY EDUCATION**SEC 310 Academic Literacy**

3 credits

Exploration of theoretical reading foundations and current best practices to develop understanding of literacy in the content areas. Emphasis is placed on motivation, cognition, memory, and verbal processing as applied to reading methodology. Students will develop and implement lessons integrating reading strategies in content areas, assess results, and use data to design subsequent reading interventions.

SEC 410 English/Language Arts Curriculum and Methods

3 credits

A course designed to help the student to acquire the understanding and skills necessary to become an effective teacher of English at the middle and secondary level. The course stresses practical approaches and principles that may be applied during the student teaching experience. Topics include planning, teaching methods, classroom management, evaluation, grading, and curricular trends.

SEC 420 Social Studies Curriculum and Methods

3 credits

Designed to assist aspirant social studies teachers in establishing curricular objectives, planning for instruction, evaluating learning in the social studies area, incorporating a variety of strategies and approaches in social studies education, and promoting a sense of professionalism in the content area. Aspirant social studies teachers interact with area practitioners, make site visits, and engage in other appropriate activities.

SEC 430 Science Curriculum and Methods

3 credits

A course in writing objectives, building curriculum models, selecting evaluation procedures, studying existing educational systems, comparing various instructional materials and programs, and observing the developmental levels of learning. Emphasis is placed on the application of inquiry in the exercise of scientific method, enabling the student to relate the processes of goal setting, planning, evaluation, and decision making to each investigation.

SEC 440 Mathematics Curriculum and Methods

3 credits

A study of the goals and objectives of mathematics education in the middle and secondary school; the current trends in curriculum, instruction, assessment and evaluation; and the methods and materials used in teaching mathematics.

SEC 450 Clinical Practice and Seminar – Secondary – Grades 9–12

1–12 credits

A supervised teaching experience at the secondary level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication, and classroom management.

SEC 455 Clinical Practice and Seminar – Middle Level – Grades 5–8

1–6 credits

(Middle–secondary education majors only)

A supervised teaching experience at the middle level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication, and classroom management.

SOC SOCIOLOGY**SOC 100 Introduction to Sociology**

3 credits

An introductory course to familiarize students with the field of sociology and the scientific study of human society. Includes study of culture, socialization, status and role, small groups, collective behavior, race, social class, social change, and the basic social institutions. Emphasis is given to key sociological perspectives: functionalism, conflict theory, and symbolic interactionism.

SPA SPANISH

SPA 101 Elementary Spanish I

3 credits

An introduction to the fundamentals of comprehending, speaking, reading, and writing Spanish. The course provides, at the same time, the cultural background of the Hispanic world.

SPA 102 Elementary Spanish II

3 credits

Prerequisite: SPA 101 or appropriate Spanish placement test score

A continuation of SPA 101. This course continues to develop the basic skills of comprehending, speaking, reading, and writing in Spanish by providing live and meaningful situations with the cultural background of the Hispanic world.

SPA 201 Intermediate Spanish I

3 credits

Prerequisite: SPA 102 or appropriate Spanish placement test score

A continued development of competence in the intermediate language skills through intensified usage of grammar with practice in conversational role-playing, using topics of general and current interest of the Spanish-speaking world.

SPA 202 Intermediate Spanish II

3 credits

Prerequisite: SPA 201 or appropriate Spanish placement test score

A continuation of SPA 201, this course concludes intermediate Spanish grammar with special practice in reading, introducing short stories concerning topics of general and current interest of the Spanish-speaking world.

SPA 204 Special Topics

1–3 credits

Prerequisite: SPA 102 or appropriate Spanish placement test score

Intermediate level study of a literary, cultural, or linguistic topic or career-related application.

SPA 220 Salud Hispana: Spanish for Health Care

3 credits

Prerequisite: SPA 102

This course provides students with the opportunity to develop intermediate-level communication skills in Spanish for use in health care fields. It examines cultural, linguistic, and medical issues to enhance their cultural competence in working with Spanish-speaking peoples in the United States. Students practice grammar and vocabulary useful for interacting with Latinos in hospitals, clinics, or counseling sessions.

SPA 222 Latino Patient

3 credits

Prerequisite: SPA 201 or SPA 220

A second course in the series of Intermediate Spanish for health care, this course provides students with the opportunity to further refine intermediate-level communication skills in Spanish for use in health care fields. Through role plays, extended audio and video interactions, and research projects students develop oral proficiency, control of grammar, and cultural awareness essential for working with Latino patients in the United States.

SPA 311 Advanced Spanish Grammar

3 credits

Prerequisite: SPA 202 or appropriate Spanish placement test score

An intensive review of all major structures of the Spanish language with emphases on focused written and aural/oral practice as well as the clarification of words often mistranslated from English into Spanish.

SPA 312 Advanced Composition and Conversation in Spanish

3 credits

Prerequisite: SPA 202 or appropriate Spanish placement test score

The principles of expository and creative writing in Spanish through the study of models and a guided exploration of the students' own writing process. Students model their conversational gambits and writing skills on samples of five types of composition: description, narration, reporting, persuasion, and thesis development.

SPA 320 Hispanic Experience in the United States

3 credits

Exploration of the contemporary writings of Hispanic Americans that provide insight into the history, socio-political, and literary roots of cultural identity in the U.S. Texts are representative of various genres in Spanish and English and illuminate the diverse ethnic and cultural components of Hispanic communities in different regions of the U.S. Texts are in English. This course is taught in English. (This course may be applied toward the requirement of 12 credits of study of foreign language for the Bachelor of Arts degree.)

SPA 322 To Be a Woman in Latin America

3 credits

A literature course surveying the construction of gender in Latin America from pre-colonial times, through 300 years of colonization and into the 21st century. A variety of texts including novels, poetry, diaries, nonfiction essays and several videos will explore topics such as the myths of machismo and marianismo, the politics of women's speaking and writing, women's activism for social justice, human rights, and to expand the literary canon. This course is taught in English. (This course may be applied toward the requirement of 12 credits of study of foreign language for the Bachelor of Arts degree.)

SPA 324 Truth and Memory in Latin America

3 credits

The advanced study of critical fictions and testimonial texts to explore how art as activism in Latin America challenges the literary canon and restores the people's historical memory during periods of enforced forgetfulness. This course is taught in English. (This course may be applied toward the requirement of 12 credits of study of foreign language for the Bachelor of Arts degree.)

SPA 390 Spanish Immersion Practicum and Seminar

1–3 credits

Prerequisite: SPA 202 or appropriate Spanish placement test score

Four- to six-week immersion language experience in approved program abroad. Course includes a preliminary seminar and final proficiency evaluation by staff of the foreign language department. Students will be required to attend all phases of the program, speak only target language during the immersion experience, and present a program to the Marian University community upon return.

SPA 397 Internship

1–3 credits

Prerequisite: Permission

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

SPA 401 Introduction to Literary Studies in Spanish

3 credits

Prerequisite: SPA 202 or appropriate placement test score

Introduction to the study of advanced literature and literary analysis of the works of some principal writers of Spain and Latin America in the context of historical periods and their literary movements, past and present.

SPA 402 Hispanic Literature of Social Conscience

3 credits

Prerequisite: SPA 202 or appropriate placement test score

Literary and socio-cultural analysis of a variety of works of literature in Spanish that examine issues such as human rights, construction of gender, cultural identity, social class, civil war, religion, displacement, land tenure, economic inequality, and political power.

SPA 404 Special Topics

3 credits

Prerequisite: SPA 202 or appropriate Spanish placement test score

Advanced level study of a literary, cultural, or linguistic topic, or career-related application.

SPA 413 Twentieth Century Hispanic Literature

3 credits

Prerequisite: SPA 202

Socio-historical and literary foundations of contemporary literature in Spain and Latin America. This course examines the unique aspects of socio-political reality as well as modernism, realism, and regionalism as the foundation for various post-modernist genres in Spanish.

SPA 414 Independent Study

1–3 credits

Prerequisite: SPA 202, Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

SPA 497 Internship

1–3 credits

Prerequisite: Permission

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. These experiences ultimately serve to directly tie students' academic coursework to non-academic professional experiences.

SPE SPECIAL EDUCATION

SPE 315/615 Methods of Teaching Content to Diverse Learners

3 credits

Prerequisite: SPE 313/613

An overview and application of instructional strategies to provide collaborative supports, accommodations, and differentiated instruction and curriculum to include students with disabilities and other special needs in general education classes. Appropriate adjustments to teaching, learning and assessment will include development of an understanding of the connections between various content areas (math, science and social studies) to best meet individual learning needs.

SPE 334/634 Diagnosis and Assessment of Students with Disabilities

3 credits

Prerequisite: SPE 313/613

Diagnosis and assessment of students with disabilities as identified by the federal definition (IDEA) using a variety of developmentally appropriate assessments, including those used in Response to Intervention (RTI). Candidates will analyze the measures used and data collected to make informed decisions about student progress, the identification of appropriate interventions and the formal placement process of students for special education services. Specific consideration is given to the reporting of assessment information to parents, teachers, and other support personnel to determine appropriate placement levels within the continuum of services. A 20-hour field experience provides students with an opportunity to observe and reflect on diagnosis and assessment in the classroom.

SPE 374/674 Learning with Technology: Effective Strategies for Students with Disabilities

3 credits

Students will develop the knowledge and skills to support learners with disabilities, including Specific Learning Disabilities (SLD), Cognitive Disabilities (CD), Emotional and Behavior Disorders (EBD), Other Health Impairments (OHI) and other disability areas using technology. Students will investigate the latest issues regarding implementation of assistive technology and other learning tools within the curriculum. The latest software applications from low to high tech will be explored.

SPE 421/621 Literacy Interventions for Students with Disabilities

3 credits

Prerequisite: SPE 313/SPE 613

An exploration of the diverse cognitive, neurological and emotional characteristics of students with disabilities and how these affect literacy development of learners. Course includes an embedded 20 hour field experience which includes a focus on the application of the literacy assessment, differentiation, and supportive technologies as well as the development and analysis of intensive and explicit interventions.

SPE 426/626 Curriculum and Instruction for Students with Disabilities

3 credits

This course engages candidates in the knowledge, skills, and competencies necessary for curriculum development and adaptation as it relates to students with disabilities in the general education curriculum. The candidate will learn research-based strategies for planning, implementing and evaluating effective instructional programs for an inclusive curriculum that emphasizes the strengths but accommodates the unique needs of all children in the classroom. The focus will be on a cross-categorical approach to service delivery where students are grouped according to their instructional needs rather than their disability labels.

SPE 430 Clinical Practice and Seminar – Elementary – Grades 1–8

1–12 credits

A supervised teaching experience at the elementary/middle school level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication and classroom management.

SPE 437/637 Social Emotional Interventions and Support

3 credits

Prerequisite: SPE 313/613

Examine and employ various strategies used in managing, planning, implementing and evaluating a classroom environment to meet both the social and emotional needs of students with disabilities. Topics include approaches and theories of behavior management, an introduction to mental health in the educational environment, strategies and models of discipline, motivating students, parent and teacher communication, co-teaching and collaboration methods for maintaining an atmosphere that enhances learning.

SPE 450 Clinical Practice and Seminar – Minor

3–6 credits

A supervised teaching experience in an academic content area at the middle level that provides an opportunity for practical application of educational theory and research. The seminar is designed for students to reflect upon and analyze teaching experiences and discuss relevant issues such as ethics, communication and classroom management.

SRM SPORT AND RECREATION MANAGEMENT**SRM 201 Introduction to Sport and Recreation Management**

3 credits

An introductory course examining the historical developments in sport and recreation in the United States; analyzing the interrelationship between sport and the American culture from a social context; and identifying existing employment opportunities in the sport management industry.

SRM 202 Sport and Recreation Programming

3 credits

An overview of the programmatic elements and techniques currently applied in professional, amateur, and recreational sport. Emphasis is placed on participatory sports that will include an examination of informal, intramural, club, fitness, and instructional sport programming; value and benefits of participatory sports; publicity and promotion; facility utilization; and equipment concerns.

SRM 204 Special Topics

1–3 credits

Selected topics are presented in the area of sport and recreation management depending upon the students' interest, the appropriateness of the topic, and the research currently available.

SRM 301 Legal Issues in Sport and Recreation Management

3 credits

Designed to introduce the student to the numerous legal principles and issues involved in the field of sport and recreation management. This course explores tort liability, negligence and product liability. Also examined are constitutional law, labor laws, personal freedoms, due process, and risk management.

SRM 302 Management of Sport and Recreation Facilities

3 credits

Introduction to the principles and practices of design and operation of sport and recreation facilities with emphasis on parks, golf courses, swimming centers, sport complexes, tennis centers, community and commercial enterprises, and athletic fields.

SRM 397 Internship

0.5 credits

Prerequisites: BUA 203, SRM 201, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit from applying classroom learning to actual job experience.

SRM 402 Leadership in Sport and Recreation Management

3 credits

Prerequisites: SRM 201, SRM 202

An overview of the essentials of leadership, also programmatic elements and techniques currently applied in effective leadership. Provide in-depth information in adventure programming. Special focus will be given to technical skills of leadership and will also address the equally important facilitation skills and metaskills essential to highly effective leadership.

SRM 404 Special Topics in Sport and Recreation Management

1–3 credits

Prerequisite: Permission

Selected topics are presented in the area of sport and recreation management depending upon the students' interest, the appropriateness of the topic, and the research currently available.

SRM 414 Independent Study

3 credits

Prerequisite: Permission

A course designed for qualified students interested in pursuing research into topics of significance in sport and recreation management not available through regular courses. The student is expected to read a substantial number of major works in the field and prepare a critical documented paper and/or field project to be contracted between the instructor and student.

SRM 422 Sport and Recreation Marketing

3 credits

Prerequisite: MKT 201

A course to provide a foundation for sport and recreation marketing strategies based on marketing theory and research. Also investigates the sport consumer and segmentation, integration of the marketing mix, marketing principles and practices as they relate to the sport and recreation field.

SRM 497 Internship

1–3 credits

Prerequisites: BUA 203, SRM 201, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience.

SWK 101 Introduction to Social Work and Human Services

3 credits

A general survey course introducing students to social work and human services in contemporary society. Professional knowledge, values, and skills for intervention and the nature of interdisciplinary approaches to complex problems and issues are included. It further explores the special concerns of those most vulnerable and discriminated against. An issue is the professional mandate of social work to join in a concerted effort with other human service professionals to influence the social welfare institution and its social programs to become more responsive to these special populations. Teaching methodology includes interviews with practicing professionals and field trips to a variety of social agency settings.

SWK 111 Interpersonal Skills

3 credits

A general purpose skill development course that enhances assertive behavior, interpersonal communication, problem-solving, and group member skills for effective teamwork in organizational environments. Consideration is given to multicultural variables that influence human relations skills. Teaching methodology includes lecture-discussion and interactive exercises.

SWK 204 Special Topics

1–3 credits

Detailed examination of a current issue or problem in social work.

SWK 210 Statistical Techniques for Research Data Analysis

3 credits

Prerequisite: Appropriate math placement test score or MAT 001 with a grade of C or higher

An interdisciplinary introduction to the basic principles of data analysis with an emphasis on application. Students are expected to apply these principles to data analysis in their respective areas of study. The applied focus is on the computerized application of summary statistics, one-/two-/multi-sample tests, linear models, association tests, randomness/normality tests, and probability distributions, as used across a variety of community and organizational settings. Other techniques may be added as appropriate for specific disciplines.

SWK 301 Human Behavior and the Social Environment

3 credits

Prerequisite: SWK 101

A course incorporating theories derived from the liberal arts base, including physical science, biology, sociology, and political science. An ecological systems framework is used to integrate these various theories in order to develop a comprehensive understanding of person and environment dynamics. This understanding is then used to develop a holistic assessment approach, which is a distinguishing feature of generalist practice. Course emphasis is on the application of this integrated systems framework in the assessment phase of work with individuals, families, and small groups. The course content is linked to other foundation content through its application in the problem-solving process. Teaching methodology includes lecture–discussion and exercises in applied assessment.

SWK 311 Generalist Practice I: Natural Resource Systems

3 credits

Prerequisite: Admission to the major

Corequisite: SWK 301, SWK 321, and SWK 331

Teaches a theoretical framework for practice based on three professional assumptions: a regard for human dignity and social justice as fundamental for a democratic society, a recognition of the interconnectedness between person–environment well-being, and the acceptance of holistic problem-solving as optimal for achieving individual and social change. The course focus is on individuals, families, and groups whose concerns may immediately initiate direct services provision on their behalf. These services engage both natural supports and societal resources to favorably influence client well-being. Theoretical content in SWK 301 is conjointly used to implement an ecological social systems approach to assessment, intervention, and evaluation. Teaching methodology incorporates case studies and guest practitioners, as well as lecture–discussion.

SWK 312 Generalist Practice II: Societal Resource Systems

3 credits

Prerequisite: Admission to the major

Corequisite: SWK 322 and SWK 352

As an extension of the theoretical framework for generalist practice, the course focus is on societal units (the professional's agency, other community organizations, the social work profession at large, and the social welfare institution) where concerns exist which may initiate indirect services provision. These services engage colleagues, agency constituents and clients, other professionals, community members, and regional or national groups to critically reflect upon and favorably influence the public well-being through changes in social policies, programs, and practices. Theoretical content from SWK 301 is conjointly used to implement an ecological social systems approach to assessment and intervention. Content from SWK 331 and 352 is similarly used to evaluate policy and program at agency, community, state, regional, and national levels and to suggest strategies for intervention.

SWK 321 Skills Laboratory I

3 credits

Prerequisite: Admission to the major

Corequisite: SWK 301, SWK 311 and SWK 331

A basic skills development course linked to the theoretical content of the concurrent foundation courses. The course focus is primarily on direct practice skills for working with clients (individuals, families, and groups) to effect changes in their private well-being. Teaching methodology includes modeling, observation, simulation, role-play, structured exercises, use of audio–video and computer equipment, and peer or instructor feedback.

SWK 322 Grant Writing

3 credits

Prerequisite: COM 431 or HOS 342 or MKT 401 or NRS 335 or PSY 342 or SWK 352 or THE 450

A basic skills development course linked to the theoretical content of the concurrent foundation courses. The course focus is on indirect practice skills for working with agency, community, and societal organizations to improve the social well-being for the common good of all through changes in policy, programs, and service delivery. Teaching methodology includes modeling, observation, simulation, role-play, structured exercises, use of audio–video and computer equipment, and peer or instructor feedback.

SWK 331 Policies and Programs

3 credits

Prerequisite: SWK 101

An examination of frameworks for analyzing social welfare policies and programs, and the social worker's role in policy development and implementation. Special emphasis is placed on a policy's differential impact on women, minorities of color or other vulnerable groups who may be discriminated against by age, social class, sexual orientation, geographic location, etc. Selected policies related to income assurance, health, mental health, family–child welfare, and older adults are examined in detail.

SWK 352 Research Methods

3 credits

Prerequisite: SWK 210

This course presents the basic principles and methods of social science research. Students are introduced to techniques for critical analysis of the professional practice literature and how, as consumers, they can incorporate research findings into practice. Students also acquire knowledge and skills for applying research with their social work practice as well as in the area of program evaluation. Students conceptualize research questions, determine appropriate designs and methodologies, and incorporate qualitative and quantitative data analysis. Professional values and ethics, as well as sensitivity to human diversity, are subsumed within the conduct of research.

SWK 360 Practicum in Research I

1–3 credits

(Also CRJ 360)

Prerequisite: Permission

Introduction to the practice of developing research skills in the major. Perform, under supervision, various tasks associated with the research process. Tasks may include collection of data, development materials, literature searches, data analysis, report preparation, or other activities.

SWK 362 Practicum in Research II

1–3 credits

(Also CRJ 362)

Prerequisite: SWK 360, permission

A continuation of SWK 360, a further practice of developing research skills in the major will be explored. Perform, under supervision, various tasks associated with the research process. Tasks may include collection of data, development materials, or other activities.

SWK 404 Special Topics

3 credits

Admission to degree candidacy

This course provides theoretical and/or applied learning opportunities in selected fields of practice along with an emphasis on practice skill enhancement and current practice innovations. These topics reflect the particular competencies and interests of the faculty as well as the considered needs and interests of students. A subtitle indicating the specific subject is added each time the course is offered.

SWK 411 Seminar I

2 credits

Admission to degree candidacy

Corequisite: SWK 497

This course is intended to provide a forum for sharing practice accomplishments and practice issues that have arisen during the field experience. Teaching methodology incorporates a seminar format for the discussion of weekly logs, field learning contract assignments, and other experiential learning. This discussion is directed toward strengthening the integration and refinement of generalist practice knowledge, values and skills. An initial focus is on the expanded range of roles required of generalist practice in the assessment and intervention planning with clients, the agency, and others associated with practice activities.

SWK 412 Seminar II

2 credits

Corequisite: SWK 498

This course provides a continuing forum for sharing practice accomplishments and practice issues which have arisen during the field experience. Teaching methodology incorporates a seminar format for the discussion of weekly logs, field learning contract assignments, and other experiential learning. This discussion is directed toward strengthening the integration and refinement of generalist practice knowledge, values, and skills. An additional focus is on agency-specific policy analysis, as well as termination and evaluation activities with clients and the service delivery system.

SWK 414 Independent Study

3 credits

Prerequisite: Permission

A student-designed learning experience that is submitted in proposal form to a Social Work faculty member to develop a mutually acceptable independent study plan. This faculty-guided experience allows students of superior ability to pursue a topic of interest not available through regular courses.

SWK 421 Family Intervention

3 credits

Admission to degree candidacy

This course builds upon foundation course knowledge about families as well as prerequisite knowledge and skills in assessment and intervention. The course begins by reviewing issues of diversity in family forms and backgrounds, and significant historical changes in the structure and functions of American families. Students are introduced to a number of different models of family treatment, including structural, psychodynamic, communications/strategic, and crisis models. Assessment, intervention, and evaluation techniques specific to work with families are presented, while at the same time maintaining a holistic perspective that includes the social context of the family and relevant cultural aspects. Guest practitioners are brought in to share their experiences and perspectives about family interventions.

SWK 422 Law and the Helping Professions

3 credits

This course examines the Wisconsin Statutes and Administrative Codes that guide helping professionals in their practice with clientele. Attention is directed toward assisting the helping professional recognize the legal duties and responsibilities within their professional lives. Particular emphasis is placed on the children's code, mental health/developmental disabilities, protective services, care records, mandatory reporting, abuse, domestic violence, and professional conduct.

SWK 497 Social Work Internship I

4 credits

Admission to degree candidacy

Corequisite: SWK 411

The first course in a two-course sequence, the field experience is designed to provide an educationally guided generalist social work experience in an approved community social services agency. It consists of a minimum of 225 clock hours or approximately 16 hours of applied practice per week in the agency. A learning contract is used to focus on learning expectations, applied practice activities, a time frame for their accomplishment, and the suggested means for their evaluation.

SWK 498 Social Work Internship II

4 credits

Admission to degree candidacy

Prerequisite: SWK 497

Corequisite: SWK 412

The second course in a two-course sequence, the field internship is designed to provide a continuation of an educationally guided generalist social work experience in the same approved community social services agency. It consists of a minimum of an additional 225 clock hours or approximately 16 hours of applied practice per week in the agency. Use of the learning contract is continued as a means of assuring a generalist approach to practice and a systematic plan for the application of learning.

TEC INFORMATION TECHNOLOGY**TEC 102 Computer Software Applications**

3 credits

This course introduces the basic concepts of computer technology, the use of integrated microcomputer software, and the role of information technology in a wide range of professions. The first half of the course covers basic information on computer components and peripherals, as well as foundation concepts in using the Internet as a research tool, word processing, spreadsheet, and presentation software. The remainder of the course is divided into modules focusing on computer software used in a range of professional endeavors, such as education, publishing, marketing, programming, and graphic arts.

TEC 200 Fundamentals of Information Technology

3 credits

This course introduces information technology systems that support organizational decision-making and problem solving. The course surveys the technical and organizational issues involved in the use and design of information systems and how the application of IT can enable an organization to improve quality, timeliness, and competitive advantage.

TEC 204 Special Topics

3 credits

Prerequisite: TEC 102

This course will address the use and operation of special and timely software technologies for the development of professional skills. This course focuses on the application of the software in addressing specific business processes or functions. Students engage in skills development, identifying appropriate applications, and evaluating the future growth of the software. Students produce a professional quality project using the new software application.

TEC 205 Information Technology Resources

3 credits

Examines the frameworks and tools used to develop an organization's information system architecture. The study of client/server information systems provides the analytical skills and conceptual frameworks for recommending integration of information technology components into information system architecture.

TEC 210 Data Concepts

3 credits

Prerequisite or corequisite: TEC 200

Focuses on how to design database management systems and how to use database systems effectively. Other course topics of concern include data modeling, physical design, relational and other models, and distributed databases. The use of database management and development software is emphasized in lab exercises.

TEC 212 Computer Programming I

3 credits

Programming in an Algebraic Programming Language, if-then-else, loops, arrays, concepts of machine language, algorithms for searching, sorting and equation-solving. (A college course in math is highly recommended before taking TEC 212.)

TEC 214 Web Design and E-Commerce

3 credits

Prerequisite: TEC 102 or TEC 200

This course focuses on the principles of effective website design and how sound design forms the foundation for successful e-commerce initiatives. It will emphasize the effective use of multimedia in producing attractive and useful websites. This course will also address the overall role of a website, website management and the contribution each web page should make to the web design plan. Relating design decisions to website purpose and commerce principles will be the consistent concentration of this course.

TEC 280 Introduction to Programming and Data Structures

3 credits

This course will introduce fundamental concepts related to the creation of data structures and programming logic in modern information systems. This course will introduce the importance data organization in computer systems; the variety of possible structures used to represent data relationships, how data structures are stored in memory, and the link between the design of data structures and programming algorithms.

TEC 300 Systems Development

3 credits

Prerequisite: TEC 200

The study addresses the principles and tools of information systems analysis and logical design. It enables the evaluation and selection of system development methodology. The course emphasizes the factors for effective communication and integration with users and user systems. Systems development, life cycle standards, object-oriented design, and the use of data modeling tools enhance learning.

TEC 304 Data Communications and Networking

3 credits

Prerequisite: TEC 205

This course provides an in-depth knowledge of principles, structures, and methods for data communications and computer networks. The emphasis is on the analysis and design of networking applications in business. The course aims also at giving practical readiness managing telecommunications networks, cost-benefit analysis, and the evaluation of connectivity. The OSI reference model is used universally to teach and understand network functionality.

TEC 305 Enterprise Computing Applications

3 credits

Prerequisite: TEC 200

The emphasis of this course is developing electronic solutions to business problems in a client/server environment. Learn to determine the enterprise coverage needed to derive maximum value from corporate information through analysis, selection, and implementation of appropriate software packages or hardware/software systems. Students will identify trends, perform sophisticated analysis to develop business models and forecasts to produce reports and to understand the facts behind the trends specific to e-commerce, supply-chain management, electronic resources planning, and electronic digital data.

TEC 310 Database Management

3 credits

Prerequisite: TEC 210

This course continues study from TEC 210. This study focuses on strategic data planning and enterprise modeling using CASE tools. Personal demonstration in the mastery of the design process acquired from earlier courses is expected. The predominant objective of this course is to design and construct a physical system using database software to implement a logical design.

TEC 312 Object Oriented Programming

3 credits

Prerequisites: TEC 212 or TEC 280

A continuation of computer programming focusing on object-oriented techniques in a visual programming environment. This course will build upon a basic knowledge of functional programming and emphasize method design, parameter passing, exception handling, and event-driven programming. Students will create both applets and conventional application programs. Topics will include classes and objects, encapsulation, polymorphism, and inheritance.

TEC 314 E-Business and Digital Technologies

3 credits

Prerequisite: TEC 200

Focuses on the managerial and strategic characteristics of online business initiatives. It covers the different e-business practices and provides an understanding of how successful companies are taking advantage of e-business, as well as an understanding of the main challenges and risks associated with e-business models and strategies. The course also introduces important elements involved in designing and developing digital products and services including the technological, economic, and change management principles essential to successful digital transformation.

TEC 315 Computer Forensics

3 credits

Prerequisites: TEC 102, TEC 205

Computer forensics is one of the fastest growing segments of IT and law enforcement. This course will provide an introduction to the legal, technological, social, and political issues involved. This class will focus on the fundamentals of computer forensics, principles of electronic evidence and data capture, and computer forensic analysis. This course will also address current issues related to email threats, information warfare, and identity theft.

TEC 397 Internship

0.5 credits

Prerequisites: BUA 203, TEC 200, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience.

TEC 400 Information Technology and Society

3 credits

Prerequisites: ENG 105, PHI 132

This course addresses materials related to the following themes: privacy issues; intellectual property issues; crime and punishment; risks and reliability; and social, political, and economic issues. It explores the questions raised by emerging new technologies and their potential impact on business, research, and society.

TEC 403 Advanced Computer Applications for Business

3 credits

(Also FIN 403)

Prerequisites: TEC 102 or TEC 200; BUA 210 or MAT 122

This course deals with computer applications in quantitative management decision making at an advanced level. Students will utilize a variety of research tools to locate, analyze and evaluate information. It will investigate the use and application of computer technologies within organizations such as management support systems, decision support systems, and executive information systems. Hands-on application of front-end software, such as Microsoft Office, will be used to conceptualize, analyze, and develop technological solutions to practical business situations.

TEC 405 Systems Design and Implementation

3 credits

Prerequisite: TEC 300

A project-oriented course continuing and applying the systems analysis and tools from Systems Development. It covers the information systems design and implementation within an integrated information systems environment. Mastery of content requires the design process acquired from a series of database and systems courses by designing and constructing a physical system incorporating integrated technologies.

TEC 450 Senior Technology Seminar

1 credit

The senior seminar is the culmination of the information technology major's experience in the program. The focus of this course will be on developing professionalism and assessing individual strengths and weaknesses. In the seminar, students will engage in literature reviews of the latest emerging technologies; evaluate the current status of technology in such areas as business, health care, and education; and participate in a capstone evaluation. Students will produce a professional quality paper and presentation on a technology-related topic or question of their choice. (For students with senior standing in final semester.)

TEC 497 Internship

1–3 credits

Prerequisites: BUA 203, TEC 200, Permission

A course designed to provide the student with field work experience through a work opportunity related to the student's career objective. A learning contract is used to focus expectations, duration of the experience, and means for evaluation. The student will benefit applying classroom learning to actual job experience.

THA THANATOLOGY

THA 205 Dying, Death, and Bereavement

3 credits

Introduction to death, dying, grief and bereavement.

THA 415 Dying, Death & Loss Across Cultures

3 credits

Should be taken by students with sophomore status or higher.

Examines death, dying and loss from distinctive cultural perspectives in order to understand how values, beliefs and rituals of diverse societies impact the manner in which death and loss are assimilated and thoughts and perceptions influence decision-making at the end of life.

THA 420 Understanding Bereavement

3 credits

Should be taken by students with sophomore status or higher.

Examination of bereavement theory and application for individuals and groups.

THA 421 End-of-Life Care

3 credits

Should be taken by students with sophomore status or higher.

Examination of the history, theory and practice of hospice and palliative care.

THA 422 Children, Teens, and Death

3 credits

Should be taken by students with sophomore status or higher.

Examination of the attitudes & responses of children and teens to death, loss, and grief, in context of human developmental stages.

THA 423 Comprehending Suicide

3 credits

Should be taken by students with sophomore status or higher.

Examination of contemporary theories of the causes of suicide, and contemporary approaches to prevention, intervention and post-intervention.

THE THEOLOGY

THE 101 Introduction to Christian Theology

3 credits

An introduction to Christian theology understood as the critical and reflective study of God's revelation through the person, life, and teaching of Jesus Christ and of the implications of this revelation. Proceeding from the Catholic intellectual tradition and incorporating perspectives of other Christian traditions, this study aims to present theology as a striving for the harmony of faith and reason. Through critical study and reflection, students are introduced to specific concepts, terminology, and methodologies needed

to participate well in on-going theological dialogue. Students have the opportunity to apply and reflect on their knowledge in written work, presentations, service-learning, community service, and/or retreat experiences.

THE 204 Special Topics

1–3 credits

Prerequisite: THE 101

A treatment of particular theological and/or biblical questions or themes chosen because of their special relevance or student interest.

THE 205 Peacemaking: Multicultural, Interfaith Dimensions

3 credits

Prerequisite: THE 101

An introduction to the basic philosophical, religious, spiritual and practical dimensions of peacemaking, including the theories of peacemaking, the role of various religious traditions in the understanding and development of peace, and the skills needed to foster peace on the personal, interpersonal, and systemic (global) levels. The course requires a service-learning experience. Depending on the service-learning experience, an additional expense may be required.

THE 210 Understanding the Scriptures

3 credits

Prerequisite: THE 101

A basic introduction to reading and understanding the Bible. The course includes an overview of relevant historical backgrounds, an explanation and application of biblical methodologies, both traditional and contemporary, and an investigation of important biblical themes. Attention is given to the literary, historical, and theological significance and meaning of key scriptural texts.

THE 214 Religious Pluralism

3 credits

Prerequisite: THE 101

What is religious pluralism? How is it understood within the world in general and in the United States in particular? Why does religious pluralism exist? How is it different from religious diversity? This course looks carefully at these questions in light of 21st century experience. The course further looks at how students can commit themselves to forming relationships with and understanding of people who practice different religious traditions. The course is a balance of theory and praxis.

THE 215 The Religious Imagination: Theology and the Arts

3 credits

Prerequisite: THE 101

An analysis of and reflection on the theological and spiritual dimensions of the imagination, the arts and of specific works of art. The course focuses on one or several specific art forms, which can include film, television, literature, music, theatre, performance art, and two- and three-dimensional art (e.g., drawing, painting and sculpture).

THE 218 World Religions

3 credits

Prerequisite: THE 101

After examining the definition of religion, this course explores the beliefs, moral imperatives, sacred books, and prayer and worship practices of major world religions.

THE 220 Death and Suffering

3 credits

Prerequisite: THE 101

A theological exploration of attitudes and perspectives on suffering, death, and resurrection. While the main exploratory focus in this course will be from the Catholic Christian perspective, attention will also be given to cross-cultural and inter-faith conceptions of the afterlife and/or ways of attaining ultimate meaning in the context of death.

THE 221 Love and Marriage

3 credits

Prerequisite: THE 101

A critical and reflective study of God's role in a relationship with love as it is experienced in marriage, celibacy, sexual encounter, prayer, service to others, ecstatic intellectual experience, worship, and suffering. The basis for this study will be traditional Christian writings, scriptural analysis, and contemporary psychological, sociological, historical, and biological research.

THE 225 Theology of Leadership

3 credits

(Also LDR 225)

Prerequisite: THE 101

Through a variety of resources students use theological reflection to explore their personal spirituality, sense of vocation, and approaches to leadership within the context of their own and other belief systems. Models of leadership are drawn from areas of moral theology and transformational servant leadership.

THE 303 Topics in Biblical Theology

3 credits

Prerequisite: THE 101

An intensive study of one or several major books or themes of the Bible. Attention is given to a critical examination of significant scriptural texts. The books or themes are viewed through both traditional interpretations and recent critical scholarship.

THE 306 Topics in Catholic Theology

3 credits

Prerequisite: THE 101

A treatment of particular theological questions or themes in Catholic theology chosen because of special relevance or student interest. Course resources will regularly include primary sources from Catholic theologians and church documents.

THE 307 Topics in the History of Theology

3 credits

Prerequisite: THE 101

An intensive study of a particular aspect of the history of theology (e.g. a topic, a figure, a phenomenon, or an historical period or event). Attention is given to the use of critical examination of significant primary texts as an historical and theological source.

THE 309 Topics in Contemporary Theology

3 credits

Prerequisite: THE 101

An intensive study of a particular aspect or manifestation of contemporary theology (for example, a topic, a figure, a phenomenon, or an event). Attention is given to exploring the meaning and significance of the phenomenon in light of the Christian and Catholic tradition, as well as of contemporary culture.

THE 327 Vatican II

3 credits

Prerequisite: THE 101

A critical and reflective examination of the significance of the Second Vatican Council (1962-1965), commonly referred to as Vatican II, in the overall history of the church. It looks at the historical context of the council, significant leaders and theologians, major themes, and final documents. The course further explores how the events of Vatican II impact the church and world today, with special attention given to students' chosen major(s) as a way to continue the ongoing spirit of Vatican II. The students will study the events of Vatican II through a hermeneutics of reception (hermeneutics of authors, texts, and receivers) and determine how Vatican II can be meaningful to people today.

THE 333 God and Christ

3 credits

Prerequisite: THE 101

A theological exploration of foundational Christian beliefs and doctrines associated with God (Trinity), Jesus Christ (Christology), and salvation (soteriology).

THE 340 Moral Theology

3 credits

Prerequisite: THE 101

An examination and consideration of the moral implications of faith. Moral theology understands the moral life as a response to the love and compassion of God revealed in Jesus Christ. Together students will explore the nature of the good, the nature of the human person, criteria for making Christian moral decisions, contributions of church-related documents, and specific moral issues that confront Christians living in the contemporary world.

THE 345 Catholic Social Teaching

3 credits

Prerequisite: THE 101

An examination of the historical, biblical, and theoretical foundations of Catholic social teaching and the application of its principles to modern societal, political, and economic issues, including the practice of making moral decisions in light of Catholic social teaching principles. This is a service-learning course.

THE 370 Church, Prayer and Sacraments

3 credits

Prerequisite: THE 101

A critical and reflective study of the relationship between worship in and service to the Christian community as well as the theological and practical dimensions of that relationship. This course also examines the sacraments and Christian service in the community.

THE 397 Internship

1–3 credits

Prerequisite: THE 101

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. This experience ultimately serves to directly tie students' academic coursework to non-academic professional experiences.

THE 404 Special Topics

1–3 credits

Prerequisite: THE 101

A treatment of particular theological and/or biblical questions chosen because of special relevance or student interest.

THE 414 Independent Study

3 credits

Prerequisites: THE 101, Permission

A course designed by the student with an instructor's guidance to allow students of superior ability to pursue a topic of interest not available through regular courses.

THE 420 Science, Technology, and Theology

3 credits

Prerequisite: THE 101

Since the late medieval period in Western culture, science and its tool-making partner, technology, have been considered separate from theology. We will explore this separation and look at the theological questions underlying the modern understanding of science and technology. We will also investigate the new awareness of the interrelatedness of science and theology.

THE 426 Theology of the Human Person

3 credits

Prerequisite: THE 101

Using the theological anthropology of Karl Rahner and other contemporary theological perspectives as a lens and guide, this course will explore contemporary theological perspectives on how Jesus' life, death, and resurrection shape and inform the Christian understanding of the human person. Some questions to be considered may include the following: What does it mean to be human? Does being created in the image of God mean we are born with a purpose and destiny? Is human life inherently sacred? Are we oriented toward communion with God and others? How has sin impacted human freedom and our relationship to creation? What can the Christian beliefs of grace, salvation, and hope say to us during times of suffering, war, and ecological crisis?

THE 495 Theology Capstone

3 credits

Prerequisites: Permission
(Theology major or minor)

A capstone course to integrate one's theological studies and gained perspectives into a summative paper and portfolio.

THE 497 Internship

1–3 credits

Prerequisite: THE 101

Students earn academic credit for internship work experiences as they test career choices, improve work skills, and establish professional contacts. This experience ultimately serves to directly tie students' academic coursework to non-academic professional experiences.

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Deborah Golias, CSA, Ph.D., Education

Margaret Lorimer, CSA, Ph.D., History

John O. May, Ph.D., Biology

Mary Neff, CSA, M.A., Art
Francis Assisi Pielmeier, CSA, Ph.D., Education
Bruce R. Prall, Ph.D., Chemistry and Physical Science
Lieselotte Straus, M.A., Foreign Language
Ray C. Wifler, Ph.D., Music
Robert J. Zande, M.A., Education
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B.S., Marian University

Christine Keller, Assistant Women's Basketball Coach

Athletics

A.A., Milwaukee Area Technical College
B.A., University of Wisconsin-Milwaukee

Jamie Kivi, Head Women's Hockey Coach

Athletics

B.S., Elmira College
M.S., Marian University

Terena Kleckner, Director of Academic Services

B.A., Stephen F. Austin State University
M.Ed., Texas A&M University

Susan Koepsell, Senior Accountant and Office Manager

Office of Business and Finance

A.A.S., Moraine Park Technical College

Paul Krikau, Dean of Student Engagement

Office of Student Engagement

B.S., Central Michigan University
M.S.Ed., University of Wisconsin-Platteville
Ph.D., Indiana State University

Jennifer Krueger, Director of First-Year Studies Program

School of Arts and Sciences
 B.S., University of Wisconsin-Stout
 M.S., University of Wisconsin-Stout

Severa Krueger, Director of Residence Life
 Office of Student Engagement
 B.S., University of Wisconsin-Stout
 M.S., University of Wisconsin-Stout

Alex Kurowski, Student Success Coordinator
 TRIO – Student Support Services Program
 B.A., University of Wisconsin-Oshkosh
 M.S.Ed., University of Wisconsin-Oshkosh

Shannon S. LaLuzerne, Dean of Admission
 Undergraduate Admission
 B.A., Marian University
 M.S.O.L.Q., Marian University

Lacey Lakin, Support Specialist III – Customer Service Coordinator
 Financial Aid
 B.S., University of Wisconsin Stevens Point

Susan Leininger, Senior Assistant Director
 Financial Aid
 A.A., University of Wisconsin Center-Fond du Lac
 B.S., University of Wisconsin-Green Bay

Joseph Linder, Database Applications Specialist
 Information Technology Services
 B.B.A., University of Wisconsin-Oshkosh

Megan Liptow, Associate Director of Admission/Community Relations and Technology
 Enrollment Services
 B.S., University of Wisconsin-Oshkosh
 M.A., Lakeland College

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 Pre-Licensure Nursing
 B.A., Northeastern Illinois University
 M.S.H.E., Drexel University

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 TRIO – Student Support Services Program
 B.S., Bemidji State University
 M.S., Minnesota State University, Mankato

Alexis Lynn, Assistant Women's Softball Coach
 Athletics
 B.S., Concordia University Texas
 M.Ed., Concordia University Texas

Michelle E. Majewski, Special Assistant to the Vice President for Academic Affairs
 Office of Academic Affairs
 B.S., University of Wisconsin-Oshkosh
 M.S.E., University of Wisconsin-Oshkosh
 Psy.D., Adler School of Professional Psychology-Chicago

Andy R. Mammel, Academic Advisor, Graduate Programs/Instructional Technology Coordinator
 School of Nursing and Health Professions
 B.S., Western Michigan University
 M.A., Michigan State University

Christine Martin, Admission Counselor

Adult and Graduate Admission

B.O.C., Marian University

M.S.O.L.Q., Marian University

Tracey Marx, Assistant Dean

Adult and Online Programs

B.A., University of Wisconsin-Milwaukee

M.A., University of Arizona

Catherine M. Mathweg, Associate Vice President for Mission and Dean of Academic Advising and Academic Services

Center for Academic Support and Excellence

A.S., Triton College

B.A., National College of Education

M.S., National College of Education

Angela Mies, Graphic Designer

Office of Marketing and Communications

Garry Moïse, Program Director

TRIO - Upward Bound Math and Science Program

A.A.S., Fox Valley Technical College

B.S.B.A., Marian University

M.S.O.L.Q., Marian University

Grant Monroe, Director of Alumni Relations, Partnerships, and Career Services

Office of Alumni, Partnerships, and Career Services

B.S.B.A., Marian University

Jacqueline Moore, Secretary

Enrollment Management

A.A.S., Moraine Park Technical College

Lori Muentner, Support Specialist III and Special Events Assistant

Office of the President

Jennifer Nadler-Lont, Skills Lab Instructor

School of Nursing and Health Professions

B.S.N., Marian University

M.S., Marian University

Victoria Norton, Director of Professional Education

Adult and Online Programs

B.A., Albertus Magnus

M.A.E., Marian University

M.S., University of Wisconsin-Green Bay

Lincoln Nguyen, Head Men's Hockey Coach

Athletics

B.A., Saint Mary's University of Minnesota

Lisa Olig, Coordinator of Disability Services and Academic Support

Center for Academic Support and Excellence

B.S., University of Wisconsin-Stevens Point

M.S.E., University of Wisconsin-Oshkosh

Susan Pankratz, Department Secretary

Student Engagement

B.A., Marian University

Nicole Paulus, Office of Admission Sabre Fellow
Enrollment Management
B.S., Marian University

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Information Technology Services
B.S., Hawaii Pacific University
M.S., University of Phoenix
Ph.D., Walden University

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Adult and Graduate Admission

Craig Peltonen, Head Men's Soccer Coach, Assistant Men's and Women's Tennis Coach
Athletics
B.S., Indiana University

Tracy Qualmann, Director of Marketing and Communications
Enrollment Services
B.S., Marian University
M.S.O.L.Q., Marian University
M.A.E., Marian University

Kirsten Rebholz, Residence Hall Director
Residence Life
B.A., Mount Mary University
M.S., Concordia University Wisconsin

Kathy J. Redig, Department Secretary
Athletics
B.S., University of Wisconsin Stevens Point

Gregory Reed, Science Learning Specialist
Center for Academic Support and Excellence
B.A., University of Wisconsin Oshkosh
M.S., University of Wisconsin Oshkosh

Pennie Reis, Director of Student Engagement
Student Activities
B.A., Carthage College
M.A., Bowling Green State University

Thomas Richter, Director of Institutional Research
A.A.S., University of Wisconsin Colleges
B.B.A., University of Wisconsin-Oshkosh
M.B.A., University of Wisconsin- Oshkosh

Melinda Rodriguez, Business Office Assistant
Office of Business and Finance

Greg Rosenthal, Assistant Men's Soccer Coach
Athletics
B.A., University of Wisconsin Milwaukee

Anne Rosploch, Coordinator of Nursing Resources and Simulation Center
Nursing Resource Center
B.S.N., University of Wisconsin Oshkosh
M.S.N., Concordia University

Michelle Ryan, Administrative Assistant
Office of Student Engagement

Jillian Saiberlich, Head Women's Soccer Coach

Athletics

B.S., St. Cloud State University

M.B.A., Lakeland College

Carol Schlaefer, Academic Advisor

School of Nursing and Health Professions

B.A., University of Wisconsin-Stevens Point

John Schmidt, Technical/Desktop Support

Information Technology

B.A., Marian University

Patricia Scholz, Support Specialist IV

School of Education

B.S., University of Wisconsin-Oshkosh

Leah Schraeder, Support Specialist III

Teacher Education

B.A., University of Wisconsin-Eau Claire

Linda Schraufnagel, Nursing Resource and Simulation Center

School of Nursing and Health Professions

B.S.N., Marian University

Jodi Schrauth, Student Health Nurse

Student Health Services

B.S.N., Marian University

Lynda Schultz, Registrar

Office of the Registrar

B.A., Graceland College

M.A., Marian University

Lyndsey Seewald, Head Women's Basketball Coach

Athletics

B.S., Carroll University

M.A., University of Denver

Jessica Ann Smith, Director of Advancement Services

Advancement

B.B.A, Accounting, University of Wisconsin-Milwaukee

John R. Smith, Assistant Director

Financial Aid

B.A., Cardinal Stritch University

Joyce Smith, Coordinator of Academic Testing

Center for Academic Support and Excellence

A.S., Moraine Park Technical College

B.I.S., Marian University

Benjamin Soman, Assistant Director of Admission, Financial Aid Liaison

Enrollment Management

B.A., Marian University

M.S., Marian University

Kimberly A. Sorensen, Head Athletic Trainer, Senior Woman Administrator and Compliance Officer

Athletics

B.S., University of Wisconsin-Oshkosh

M.S., St. Cloud State University

Tony Steinmetz, Networking/Communications Administrator
Information Technology

Brenda Stobb, Coordinator of Student Success
CASE

B.S., University of Wisconsin-Madison

Kerry Strupp, Interim Director
Working Families Grant Program

B.S.W., Ball State University

M.A.E., Marian University

Kara Sutkiewicz, Accounting Manager
Office of Business and Finance

B.B.A., University of Wisconsin-Milwaukee

M.S., University of Wisconsin-Milwaukee

Tammy Thornton, Web Developer
Office of Marketing and Communications

B.S., University of Wisconsin-Oshkosh

Janet Wermes, Secretary to the Dean
School of Nursing and Health Professions

Marcus Wiegert, Admissions Athletics Liaison and Head Men's and Women's Tennis and Assistant Men's Basketball Coach
Athletics

B.S.B.A., Marian University

M.S., Lasell College

Robyn Williams, Director of Counseling
Wellness, Health, and Counseling Center

B.S., Marian University

M.A., Wheaton College

Andrea Wolf, Assistant Dean
Adult and Online Studies

B.S., Marian University

Anna Zeient, Certified Athletic Trainer
Athletics

B.S., University of Wisconsin Oshkosh

M.S., University of Arkansas

Cory Zimmerman, Head Men's/Women's Track and Field & Cross Country Coach
Athletics

B.S., Ripon College

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Office Directory

All prefixes are (920) unless otherwise noted.

Academic Affairs	923-7604
Adult and Graduate Admission.....	923-8726
Adult and Online Studies	
Appleton Center	local: 749-1000 or 923-8543
West Allis Center	local: (414) 258-6757 or 923-8535
Advancement (gifts, bequests, foundations, grants).....	923-7613
Agnes Center/Music Department.....	923-7659
Alumni Relations.....	923-8106
Athletics.....	923-8156
Bookstore/Sabre Shop	923-7166
Business and Finance (business affairs, tuition payments, accounts)	923-8551
Campus Dining (Sodexo Food Service).....	923-8728
Campus Ministry.....	923-7624
Campus Safety/Security	923-8950
Campus Services (housekeeping, maintenance, grounds).....	923-8787
Career Services	923-7161
Center for Academic Support and Excellence (CASE Office)	923-8097
Disability Services.....	923-8951
Common Grounds (Todd Wehr Alumni Center)	923-8525
Counseling Center.....	923-8799
Financial Aid (scholarships, loans, student employment).....	923-7614
Health Services	923-7615
Human Resources (Affirmative Action).....	923-8081
Information Technology Help Desk	923-8947
Institutional Effectiveness	923-8943
Library (Cardinal Meyer)	923-7641
Marketing and Communications (public relations)	923-7602
One-Stop	923-8555
Outreach Services and Partnerships	923-7652
Payroll	923-7168
President	923-7617
Registrar (transcripts, academic records)	923-7618
Research and Sponsored Programs	923-8796
Student Engagement (activities, housing).....	923-7666
Activities/Housing	923-7666
Dean of Student Engagement	923-7621
Director of Residence Life.....	923-8091
Director of Student Engagement	923-8125
Title IX Coordinator	923-8963
Student Health Services	923-7615
TRIO-Student Support Services (SSS)	923-8632
Undergraduate Admission	923-7650