

ACADEMIC SUPPORT

ACSU 097

Cougar Trax

0 Credit Hours

Orientation program for first-year students.

ACSU 200

Rebound Workshop

0 Credit Hours

Rebound is an academic recovery course designed to assist students placed on academic probation after their first semester at Saint Xavier University. It is required for first-year students on probation, but also available to first-year students in need of more focused assistance. This course is offered as a non-credit class.

ACCOUNTING

ACCT 210

Financial Accounting

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-132 or MATH-135

Financial accounting is an introduction to accounting principles and concepts, measurement of business income, and determination of financial positions. Emphasis is on the theory and practice of accounting cycles leading to the preparation of financial statements.

ACCT 211

Managerial Accounting

3 Credit Hours

Pre/Corequisite: P (RQ) Math-132 or Math-135 or High School weighted GPA of 3.5 or higher

Managerial accounting is the field of accounting aimed at providing managers with financial information to help them make decisions and maintain effective control of their organizations. This course introduces the student to the internal accounting for business managers.

ACCT 220

Business Law I

3 Credit Hours

Business Law is the study of the fundamental concepts, principles and rules of laws that apply to business transactions. Primary attention is given to contract law and the Uniform Commercial Code as it relates to sales and commercial paper. The law governing agency will be covered. In addition, two or more of the following areas will be included in course coverage: Bankruptcy, Securities Regulation, Secured Transactions or Accountants' Legal Liability.

ACCT 301

Intermediate Accounting I

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-211

Intermediate Accounting I provides an in-depth study of the conceptual framework of accounting as it relates to recording, reporting, and disclosing financial information on the Balance Sheet, Income Statement, and Cash Flow Statement. Emphasis is placed on the accounting procedures

for measuring, recording, and reporting Assets. Recent developments in accounting standards and practice are also covered.

ACCT 302

Intermediate Accounting II

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-301

A continuation of the in-depth study of financial accounting with a concentration on long-term assets, liabilities, and stockholders' equity. Other current issues in accounting will be addressed.

ACCT 312

Introduction to Taxation

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-211

Introduction to the theory of federal income tax law as it applies to individuals, including income recognition and expense deduction rules, property transactions, and tax credits. Students seeking credit must participate in a community service tax preparation service approved by the instructor, which requires at least 16 hours off-campus service during the student's concurrent or subsequent semester.

ACCT 321

Cost Accounting

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-211 and P (RQ) BANA-250 or BANA-251

This course examines the concepts and procedures underlying the development of a cost accounting system for managerial decisions, control, and performance reporting.

ACCT 331

Accounting Information Systems

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-211

This course is a study of the concepts, nature, and objectives of accounting information systems. AIS integrates the students' knowledge of accounting with computer technology, management concerns, and quantitative reasoning. Students will be introduced to Sage50 (Peachtree) Accounting Software.

ACCT 341

Auditing

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-301

Auditing allows students to gain an understanding and familiarization of financial statement auditing and other value-added assurance and attestation services. Topics covered include: auditing theory and legal and ethical issues related to auditing, creating an auditing plan, analyzing audit risk, studying and assessing internal control, performing statistical samplings, and gathering audit evidence and preparing audit reports. Current issues in auditing will also be discussed.

ACCT 351

Advanced Accounting Issues

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-302

Advanced Accounting is the study of the concepts, nature objectives and reporting issues related to not-for-profit/governmental organizations and partnerships. Foreign currency transactions will be addressed. The equity method will be expanded to include consolidation theory and practices.

ACCT 362

Advanced Taxation

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-312

Advanced taxation provides students with a review of tax theory, introduction to tax research and planning as it relates to federal and multi-state income taxation for corporations and S-corporations and their shareholders. Tax issues related to partnerships/partners and trust/beneficiaries are also covered. Student research of tax issues, including court cases and IRS pronouncements is included.

ACCT 371

Governmental, Non-Profit, and Current Issues in Accounting

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-302

Financial accounting, transaction analysis, and recording within the context of governmental and non-profit accounting frameworks. These include general non-profits, educational institutions, and private health organizations. Other selected current issues in accounting are addressed, including accounting research, and SEC reporting.

ACCT 399

Special Topics in Accounting

3 Credit Hours

Pre/Corequisite: C (RQ) ACCT-301

Course content will be adapted to meet student and faculty needs. Specific titles, prerequisites and content will vary. Course is repeatable with approval based on content of course.

AFRICAN AMERICAN STUDIES

AAS 101

Introduction to African-American Studies

3 Credit Hours

This multidisciplinary course will survey the various theories, frameworks and methods currently employed in examining the collective contributions and status of African-Americans in the United States and abroad.

AAS 260

Special Topics

3 Credit Hours

Topics for this course will vary. Previous topics have included Art of Africa, Black Catholic Experience and African-American Women's History.

AMERICAN SIGN LANGUAGE

ASL 101

American Sign Language I

3 Credit Hours

An introductory course to American Sign Language (ASL). The course includes basic grammar, vocabulary, fingerspelling, numbers and cultural information related to the Deaf Community.

ASL 102

American Sign Language II

3 Credit Hours

Pre/Corequisite: P (RQ) ASL-101

American Sign Language II reviews ASL vocabulary and grammatical structures discussed in ASL I. It further develops language comprehension and production skills at an intermediate level and expands, in more detail, concepts introduced in ASL 101 about Deaf Culture.

ASL 260

Special Topics: American Sign Language III

3 Credit Hours

Pre/Corequisite: P (RQ) ASL-102 or division director consent

This course is designed to cover an in-depth look at the structure of ASL Grammar, how and when to apply the use of Fingerspelling, different numbering systems, and visual-gestural communication. This course discusses expressive and receptive skills that are necessary for complex dialogue and storytelling. The course explores in more depth the Deaf Culture and how language and culture are intertwined.

ANTHROPOLOGY

ANTH 101

Cultural Anthropology

3 Credit Hours

Cultural anthropologists specialize in the study of culture and peoples' beliefs, practices, and the cognitive and social organization of human groups. In this course the human ways of life, with their diverse adaptations, organizational processes, social practices and belief systems are surveyed. Offered fall.

ANTH 105

Archaeology

3 Credit Hours

Archaeology is one of the four subdisciplines of anthropology and it focuses on the study of past human behavior through studying the material culture left behind. This course will examine the history of archaeological investigation, different theoretical approaches in archaeology, the nature of the archaeological record, archaeological survey and excavation, archaeological classification and analysis, dating techniques, artifact analysis, conservation and storage of artifacts. Offered spring.

ANTH 120

Biological Anthropology

3 Credit Hours

*Formerly Physical Anthropology. This introductory course is designed to provide students with an understanding of

human evolution and diversity from a biological anthropological perspective. Major topics include the concept of evolution, biological relationships between humans and other primates, the fossil record of human evolution, modern human variation and adaptation, and the basic methods employed by archaeologists and biological anthropologists in the study of prehistoric and contemporary humans' biological and cultural development. Offered fall.

ANTH 214

Language, Culture and Society

3 Credit Hours

This course is an introduction to major anthropological and sociolinguistic concepts that explain both uniformity and diversity in language behavior. One focus is on the origin, development and variation of the world's languages. Focus on language diversity in North American English in terms of differences based on nation, region, ethnicity, class, gender, age, lifestyle and social context. Offered spring.

ANTH 235

Sex/Culture/Society

3 Credit Hours

In this course the sexual legacies of our primate heritage are examined. Human sexuality and gender roles are explored cross-culturally in their social, political and ideological contexts.

ANTH 240

Chicago's Arab Americans

3 Credit Hours

This course will explore the immigration, geographic trends, and historical settlement of the Arab community in the greater Chicagoland area. Topics will include the diversity, identity, demographics, cultural traditions, norms and practices of the Arab American community.

ANTH 243

Myth and Mythology

3 Credit Hours

This course serves as an interdisciplinary, cross-cultural examination of both descriptive and theoretical research on myth from the ancients to the present, in order to foster appreciation of the universal, general and particular dimensions of expressive culture. Special consideration is given to the significance of myth as a continuing source of spiritual and artistic inspiration. Offered fall.

ANTH 244

Chicago Neighborhoods

3 Credit Hours

Chicago, as has often been stated, is a city of neighborhoods. This course is designed to provide a sociological and an anthropological understanding of the complex, urban mosaic created by Chicago's rich and diverse neighborhood communities. Special attention will be paid to the social forces that shaped the city, as well as to the ethnic enclaves, voluntary associations, cultural institutions and historical sites that continue to enrich this vibrant metropolis. Offered fall or spring.

ANTH 245

Third World in a Global Context

3 Credit Hours

This course focuses on Third World issues of population, food, exports, employment and development are examined along with First World concerns for investment, trade, employment and political influence. The roles of multinational corporations, international agencies, the drug trade and other major factors in the world economic system are also explored. Offered as needed.

ANTH 250

Modern Latin America

3 Credit Hours

This course explores the societies and cultures of those who live in the related, yet different countries of this dynamic region. Their multiple heritages, modern institutions, changing lifestyles and world context are examined. Offered spring.

ANTH 251

Native American Cultures

3 Credit Hours

This course focuses on the social and cultural adaptations made by the first Americans to the environments of North America. Students will explore the past and present lives of Native Americans through archaeology, cultural anthropology, ethnography, and bioarchaeology. The transformations that have occurred since contact and the present conditions for Native Americans will also be explored. Offered fall.

ANTH 265

Middle East and North African (MENA) Cultures

3 Credit Hours

*Formerly Middle Eastern Cultures. The Middle East is built on a magnificent legacy of civilizations dating back to ancient times. Today, the Middle East continues to offer the world a rich cultural contribution. This course explores the peoples and cultures of the Middle East and offers an anthropological understanding of the diversity in the Middle East by examining societal differences in cultural practices, male-female relations, music, literature, kinship systems, religions and traditions, history and heritage, ethnic minorities, social identity and social change. This course will also analyze the impact of colonialism and imperialism on the contemporary political and group conflicts among the various peoples of the Middle East. Offered fall.

ANTH 285

Special Topics in Anthropology

3 Credit Hours

The subject matter of this course will vary depending on student interest and faculty resources. Open to students of all majors.

ANTH 295

Great Discoveries in Archaeology

3 Credit Hours

This course is a journey of discovery and exploration of our human past covering more than 4 million years and spanning all continents. The course explores ancient civilizations and surveys their most important sites and discoveries. The

archaeological discoveries range from the treasure of the Tutankhamun tomb in Egypt to the less spectacular, but important, fossil record in Africa. Illustrated lectures, hands-on projects and analysis of material remains left behind by the earlier peoples will introduce students to ancient achievements that capture our imagination and motivate us to learn more about our past. Offered as needed.

ANTH 309

Gender and Globalization

3 Credit Hours

This course examines the economic, socio-political and cultural aspects of globalization within the framework of contemporary debates about gender. The main focus will be on how globalization affects gender roles, ideology, and the experiences of men and women in a global context. Class discussions will revolve around sex and gender comparisons, both nationally and internationally, in the following tiers: work/career, academic institutions, religious institutions, government procedure and law, and in society and socialization at large. We will examine historic and modern day concepts of gender ideology and application, and how it currently affects people on the micro and macro scale, in addition to how these applications may influence future societies. Offered as needed.

ANTH 330

Folklore

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 or HONOR-150

Introduction to the study of the folklore of the major areas of the world, concentrating on the study of the folktale. Offered spring.

ANTH 355

Who Owns the Past?

3 Credit Hours

Through the use of case studies, this course tracks some of the uses and abuses of archaeology and the cultural past, in an attempt to understand how this constructed past is used to strengthen religious, national and ethnic loyalties. This course will also focus on ethical issues related to archaeology and cultural property collection, repatriation, looting and museum representation of the self and other. Offered spring.

ANTH 385

Fieldwork in Anthropology/Archaeology

1 to 6 Credit Hours

Pre/Corequisite: P (RQ) ANTH-101 or ANTH-105 or consent of instructor

Participation in anthropological research and/or archaeological field excavations or survey overseas or in the U.S. under the supervision of SXU faculty anthropologists/archaeologists.

ANTH 390

Independent Study

1 to 3 Credit Hours

Students who have done exceptionally well may take this course to pursue a topic of their own choosing. The student's eligibility, general topic, specific selection of readings and the format (e.g., a research paper, tutorial, short summary

essays) will be worked out with the instructor. Offered by special arrangement.

APPLIED MUSIC

MUSAP 100

Applied Voice

1 to 2 Credit Hours

Private voice lessons for non-majors and minors.

MUSAP 107

Applied Guitar

1 to 2 Credit Hours

Private guitar lessons for non-majors and minors.

MUSAP 111

Applied Piano I

1 to 2 Credit Hours

Private piano lessons for non-majors and minors.

MUSAP 130

Applied Flute

1 to 2 Credit Hours

Private flute lessons for non-majors and minors.

MUSAP 131

Applied Oboe

1 to 2 Credit Hours

Private oboe lessons for non-majors and minors.

MUSAP 132

Applied Clarinet

1 to 2 Credit Hours

Private clarinet lessons for non-majors and minors.

MUSAP 133

Applied Bassoon

1 to 2 Credit Hours

Private bassoon lessons for non-majors and minors.

MUSAP 134

Applied Saxophone

1 to 2 Credit Hours

Private saxophone lessons for non-majors and minors.

MUSAP 135

Applied Trumpet

1 to 2 Credit Hours

Private trumpet lessons for non-majors and minors.

MUSAP 136

Applied French Horn

1 to 2 Credit Hours

Private French horn lessons for non-majors and minors.

MUSAP 137

Applied Trombone

1 to 2 Credit Hours

Private trombone lessons for non-majors and minors.

MUSAP 138
Applied Euphonium
 1 to 2 Credit Hours
 Private euphonium lessons for non-majors and minors.

MUSAP 139
Applied Tuba
 1 to 2 Credit Hours
 Private tuba lessons for non-majors and minors.

MUSAP 140
Applied Violin
 1 to 2 Credit Hours
 Private violin lessons for non-majors and minors.

MUSAP 141
Applied Viola
 1 to 2 Credit Hours
 Private viola lessons for non-majors and minors.

MUSAP 142
Applied Cello
 1 to 2 Credit Hours
 Private cello lessons for non-majors and minors.

MUSAP 143
Applied String Bass
 1 to 2 Credit Hours
 Private string bass lessons for non-majors and minors.

MUSAP 144
Applied Percussion
 1 to 2 Credit Hours
 Private percussion lessons for non-majors and minors.

MUSAP 145
Applied Jazz Improvisation
 1 to 2 Credit Hours
Pre/Corequisite: E (RQ) MUS-240
 Private jazz improvisation lessons for non-majors and minors.

MUSAP 146
Applied Harpsichord
 1 to 2 Credit Hours
 Private harpsichord lessons for non-majors and minors.

MUSAP 200
Applied Voice
 1 to 2 Credit Hours
 Private voice lessons for Music majors and minors.

MUSAP 201
Applied Piano
 1 to 2 Credit Hours
 Private piano lessons for Music majors and minors.

MUSAP 203
Applied Organ
 1 to 2 Credit Hours
 Private organ lessons for Music majors and minors.

MUSAP 204
Applied Harpsichord
 1 to 2 Credit Hours
 Private harpsichord lessons for Music majors and minors.

MUSAP 205
Applied Composition
 1 to 2 Credit Hours
 Private composition lessons for Music majors and minors.

MUSAP 206
Applied Guitar
 1 to 2 Credit Hours
 Private guitar lessons for Music majors and minors.

MUSAP 230
Applied Flute
 1 to 2 Credit Hours
 Private flute lessons for Music majors and minors.

MUSAP 231
Applied Oboe
 1 to 2 Credit Hours
 Private oboe lessons for Music majors and minors.

MUSAP 232
Applied Clarinet
 1 to 2 Credit Hours
 Private clarinet lessons for Music majors and minors.

MUSAP 233
Applied Bassoon
 1 to 2 Credit Hours
 Private bassoon lessons for Music majors and minors.

MUSAP 234
Applied Saxophone
 1 to 2 Credit Hours
 Private saxophone lessons for Music majors and minors.

MUSAP 235
Applied Trumpet
 1 to 2 Credit Hours
 Private trumpet lessons for Music majors and minors.

MUSAP 236
Applied French Horn
 1 to 2 Credit Hours
 Private French horn lessons for Music majors and minors.

MUSAP 237
Applied Trombone
 1 to 2 Credit Hours
 Private trombone lessons for Music majors and minors.

MUSAP 238
Applied Euphonium
 1 to 2 Credit Hours
 Private euphonium lessons for Music majors and minors.

MUSAP 239

Applied Tuba

1 to 2 Credit Hours

Private tuba lessons for Music majors and minors.

MUSAP 240

Applied Violin

1 to 2 Credit Hours

Private violin lessons for Music majors and minors.

MUSAP 241

Applied Viola

1 to 2 Credit Hours

Private viola lessons for Music majors and minors.

MUSAP 242

Applied Cello

1 to 2 Credit Hours

Private cello lessons for Music majors and minors.

MUSAP 243

Applied String Bass

1 to 2 Credit Hours

Private string bass lessons for Music majors and minors.

MUSAP 244

Applied Percussion

1 to 2 Credit Hours

Private percussion lessons for Music majors and minors.

MUSAP 270

Junior Recital (Vocal)

1 Credit Hour

Presentation of 30-40 minutes of music in a recital during semester of registration demonstrating the ability to perform in a variety of musical styles and periods. See Music Student Handbook for Guidelines on Repertoire. Required of all vocal performance majors. *Pre-recital audition required. Prerequisite: Junior standing in applied voice and formal acceptance as music major.

MUSAP 271

Junior Recital (Piano)

1 Credit Hour

This course involves a presentation of a 30-40 minute recital during semester of registration demonstrating the ability to perform in a variety of musical styles and periods. This course is required of all piano performance majors. NOTE: Pre-recital audition required and Junior standing and formal acceptance as a music major.

MUSAP 272

Junior Recital (Instrumental)

1 Credit Hour

This course involves a presentation of a recital during the semester of registration featuring 30-40 minutes of music demonstrating the ability to perform in a variety of musical styles and periods. This course is required of all instrumental performance majors. NOTE: Pre-recital audition required and Junior standing and formal acceptance as a music major.

MUSAP 323

Accompanying

1 to 2 Credit Hours

This course is a study in the techniques of accompanying, including experience in vocal and instrumental accompanying. This course is required of piano performance majors for two semesters. Offered as needed.

MUSAP 370

Senior Recital (Vocal)

1 Credit Hour

This course involves a presentation of a recital during the semester of registration featuring 60 minutes of music demonstrating the ability to perform in a variety of musical styles and periods. NOTE: Pre-recital audition required and Senior standing and formal acceptance as a music major.

MUSAP 371

Senior Recital (Piano)

1 Credit Hour

This course involves a presentation of a recital during semester of registration featuring 60 minutes of music drawn from at least four historical periods or styles. NOTE: Pre-recital audition required and Senior standing and formal acceptance as a music major.

MUSAP 372

Senior Recital (Instrumental)

1 Credit Hour

This course involves a presentation of a recital during the semester of registration featuring 60 minutes of music demonstrating the ability to perform in a variety of musical styles and periods. NOTE: Pre-recital audition required and Senior standing and formal acceptance as a music major.

MUSAP 373

Senior Recital (Music Education)

1 Credit Hour

This course involves a presentation of a recital during the semester of registration featuring 45-50 minutes of music demonstrating the ability to perform in a variety of musical styles and periods. NOTE: Pre-recital audition required and Senior standing and formal acceptance as a music major.

ARABIC

ARAB 101

Elementary Arabic I

3 Credit Hours

This course is an introduction to the language for students who have had no previous study of Arabic. The course places equal emphasis upon aural comprehension, oral expression, reading, writing and the grammatical structures of the language. Class features recitation, written exercises, and reading of simple texts.

ARAB 102**Elementary Arabic II**

3 Credit Hours

Pre/Corequisite: P (RQ) ARAB-101 or placement or consent of instructor

This course is a continuation of the study of Arabic for students who have had one semester of language instruction or equivalent. Continued emphasis on aural comprehension, oral expression, reading, and writing.

ARAB 103**Intermediate Arabic I**

3 Credit Hours

Pre/Corequisite: P (RQ) ARAB-102 or placement or consent of instructor

This course is a continued development of vocabulary and idioms. Equal emphasis on both passive comprehension and active use of Arabic in its spoken and written forms.

ARAB 201**Advanced Composition and Conversation I**

3 Credit Hours

Pre/Corequisite: P (RQ) Placement into ARAB-201 or consent of instructor

An advanced course in Arabic that will focus on conversational practice and in-depth study of Arabic grammar and syntax. Emphasis will be put on intensive practice of writing in Arabic, acquisition of advanced vocabulary and pronunciation. Students will develop their conversational and writing skills by focusing on one particular aspect of the Arabic culture per semester.

ART**ART 100****Visual Communication**

3 Credit Hours

This course is an introduction to basic visual communication in a variety of media formats, including the still, moving and interactive image. Theoretical, historical and perceptual models of visual communication will be covered. Students will be engaged in the creation, execution and analysis of visual presentations. This course is not for art majors. Studio.

ART 101**Drawing I**

3 Credit Hours

This course is an introduction to the basic elements, techniques and media of drawing. Emphasis is on the role of perception. Group critiques help students assess the effectiveness of their efforts. Studio.

ART 103**Introduction to Art**

3 Credit Hours

This course is a survey course covering the basic principles underlying the arts and their application to selected examples of architecture, sculpture, painting and graphic arts. This course is not for art majors.

ART 105**Painting I**

3 Credit Hours

This course is an introduction to the general techniques and uses of acrylic and oil painting and will explore visual painting problems and ideas. Studio.

ART 106**Introduction to Game Design Introduction to Game Design**

3 Credit Hours

An introduction to the gaming industry pipeline focusing on pre-production. Topics include: game design, concept art, character creation, storyboard formats, terminology, and animatics.

ART 108**Art in Virtual Reality**

3 Credit Hours

This is an introductory level 3D animation course using industry standard techniques and principles and applying them to action sequences to characters. The class focuses on using the principles to create realistic actions in characters.

ART 111**Introduction to Film Analysis**

3 Credit Hours

This course will introduce the field of film studies, including the formal analysis of film, film style, national cinemas and technological developments in the medium. In addition to in-class film screenings, the class takes a field trip to the Chicago International Film Festival. Through screenings, discussion and writing, students develop an enhanced understanding of film art and industry.

ART 113**Art: Photography I: Digital**

3 Credit Hours

This is an introduction to digital photography course. Emphasis will be on composition, camera craft, and visual expression. In a series of assigned problems, the students will learn to use their digital cameras to communicate effectively and artistically with images. Studio.

ART 116**Computer Graphics**

3 Credit Hours

This course is an applied introduction to digital art and design. Students will be introduced to the elements of art and the principles of design while exploring the tools and processes of the contemporary graphic artist and designer. Projects in this course will focus on Digital Illustration and Two-Dimensional Design. Students will be introduced to the Macintosh computer and Adobe Illustrator.

ART 118**Drawing and Painting from Nature**

3 Credit Hours

In this introductory-level course, the theme of nature is used to explore basic drawing and painting principles such as line, space, value, color, texture, perspective, balance and repetition. Students will work both outside (weather permitting)

and in the studio. Imagery derived from "Mother Nature" will provide a focus, expanding each participant's awareness of the environment and him/herself. Studio.

ART 119

Digital Imagery

3 Credit Hours

Digital image manipulation and design is the focus of this course, which includes photo enhancement, altering and manipulating photographs, computer-generated images, animation and design. Instruction in Adobe Photoshop and Painter programs will be used to explore the digital image environment. Studio.

ART 120

Graphic Design I

3 Credit Hours

Pre/Corequisite: P (RQ) ART-116 or consent of instructor

This course is an introduction to graphic design emphasizing the elements and principles of visual communication as applied to print formats. Consideration of type, image and space are presented in a series of studio projects. Hand-rendered and computer-generated approaches to the design process are included. Studio. Offered as needed.

ART 124

Art Portfolio Seminar

3 Credit Hours

Through the analysis of gallery visits, critiques, lectures and the creation of a variety of portfolios, the students in this class will be introduced to the world of the artist/designer. The goal of this course is to provide a critical and technical foundation for speaking, writing, and cataloging the student's creations for successful completion of the Art and Design degree at Saint Xavier University. This course is highly recommended for all Art and Design majors and not recommended for non-majors. Seminar. Offered fall.

ART 128

Digital 3D: Modeling

3 Credit Hours

Introduction to 3D Modeling teaches students how to create 3D polygon models using industry-standard modeling tools. A firm understanding of edge flow and polygon count will be obtained. Students will learn modeling techniques, and modeling pipelines to achieve industry standard models.

ART 135

Art Scenes in Chicago

3 Credit Hours

This course explores some highlights of the vast and ever-growing cultural resources of the city of Chicago. In the classroom we examine the artworks in a historical context considering the issues of who makes art and why it is made. Field trips to museums and galleries downtown supplement the students' understanding of the Chicago art scene, past and present. Lecture.

ART 138

History of Animation

3 Credit Hours

This course is a survey of animation, exploring fundamental concepts from the first moving objects through present time. This course will consider trends and developments in animation looking through film, motion graphics and games.

ART 155

Films About Paintings

3 Credit Hours

In this course you will study the last 500 years of Western Painting through the lens of the camera. The class will discuss both influences and processes used by painters of different periods and how art historians communicate these to viewers of our time through the medium of documentary film.

ART 160

Art: Special Topics

3 Credit Hours

This course involves various thematic art topics.

ART 201

Drawing II

3 Credit Hours

Pre/Corequisite: P (RQ) ART-101

This course is designed to enhance the basic skills developed in Drawing I. Students will experiment with a variety of drawing tools and techniques, encouraging them to develop a conceptual framework for each drawing project. Majors and non-majors alike will benefit from the problem-solving emphasis that allows for personal solutions. Studio. Offered spring.

ART 202

Design: Three-Dimensional

3 Credit Hours

Pre/Corequisite: P (RQ) ART-116

This course explores the fundamental organization of 3-D objects and spaces, considering both formal and functional. This course will introduce the fundamentals of creating compositions that require the three dimensions of height, width and depth. Students in this class will be introduced to both analog and digital tools and techniques for composing in paper, wood plastic and light. Through a process of sketching, critiquing and reworking students will be encouraged to make their works clear, efficient and communicable. Studio. Offered spring.

ART 203

Book as Art and Design

3 Credit Hours

Pre/Corequisite: P (RQ) ART-101

This course explores traditional and non-traditional book formats with an emphasis on the design of the page, sequentially developed ideas and the relationship of book structure and content. Various hand-binding methods are demonstrated. Printing options for text and image span a spectrum from hand-rendering to computer generation. Studio. Offered as needed.

ART 205

Painting II

3 Credit Hours

Pre/Corequisite: P (RQ) ART-105

This course is a continuation and expansion of Painting I problems. More opportunity for concentration on individual development. This course involves outside assignments and field trips. Studio. Offered as needed.

ART 206

Watercolor Painting

3 Credit Hours

This is a course in exploration of the techniques and methods of watercolor painting. Studio.

ART 207

Collage: Alternative Expressions

3 Credit Hours

This course is a cross-cultural study of designer/artists of the African Diaspora and the Americas, primarily women, with special attention to their influence on 20th century modern art movements. Textiles, tribal and populist arts will be the focus of lectures. Hands-on collage project assignments will encourage creative response. Studio. Offered as needed.

ART 208

Ceramics: Hand Construction

3 Credit Hours

This course focuses on hand construction techniques emphasizing three-dimensional drawing, construction of sculptural forms, concept realization and creative personal invention. Appropriate surface design treatments, ceramic glazing and firing methods will be presented. Studio. Offered as needed.

ART 209

Figure Drawing I

3 Credit Hours

Pre/Corequisite: P (RQ) ART-101

This course is about exploration based on the figure (all media). Emphasis on form, expressive content and composition. Studio. Offered as needed.

ART 210

Printmaking: Silkscreen and Lithography

3 Credit Hours

Pre/Corequisite: P (RQ) ART-101 or consent of instructor

This is an introduction to stencil and planographic printmaking techniques in the form of silkscreen and stone lithography processes. Emphasis upon the development of the student's technical understanding of each process and the visual and conceptual relationship of image to media. Studio. Offered as needed.

ART 211

Typography

3 Credit Hours

Pre/Corequisite: P (RQ) ART-116 or consent of instructor

This course develops an aesthetic, historic and organizational sensitivity to type. Emphasis on formal visual principles (structure, form, weight, texture, size, color and direction)

is applied in exercises that require both hand-rendered and computer-generated letterforms. Studio. Offered as needed.

ART 212

Photography II: Digital/Darkroom

3 Credit Hours

Pre/Corequisite: P (RQ) ART-112 or ART-113, or consent of instructor

Experimental and thematic photographic work will incorporate all aspects of photography, including digital and darkroom manipulations for this course. Creativity and advanced visual awareness are the main goals of this course, as well as a complete understanding of the craft of photography in silver-based and digital media. Studio. Offered as needed.

ART 217

History of Film

3 Credit Hours

This course is a survey of the history of film. This class examines technical, social and artistic influences on film from its inception to 1960. In-class screenings, lectures and discussions provide opportunities to examine original materials. Lecture. Offered as needed.

ART 220

Graphic Design II

3 Credit Hours

Pre/Corequisite: P (RQ) ART-120

This course is a series of sequential visual communication projects that challenges the student to further refine visual thinking and extend basic graphic design concepts into formal and practical commercial applications. A variety of software programs, such as Illustrator and Photoshop, are integrated with hand-rendering projects. Studio. Offered as needed.

ART 222

Art of the Renaissance Through Enlightenment

3 Credit Hours

This course is a survey of European art from the 14th to the 18th century. Research includes evaluations of Renaissance and Baroque masterpieces in The Art Institute of Chicago. Offered fall.

ART 223

Modern and Contemporary Art

3 Credit Hours

This course is a survey of art from the Neo-Classicism and Romanticism in the early 19th century through Post-Modernism and other contemporary developments. Efforts are made to integrate the class lectures with current exhibitions at The Art Institute of Chicago, Museum of Contemporary Art and commercial galleries. Lecture. Offered spring.

ART 224

Contemporary Cinema

3 Credit Hours

This course focuses on in-depth look at special issues and types of films, from international cinema to the films of independent filmmakers to the influence of gender on films. The focus changes each time the class is offered. Screenings,

lecture and discussion will address developments related to the semester's theme. Lecture. Offered as needed.

ART 226**Chicago Architecture and Design**

3 Credit Hours

This course focuses on an in-depth look at Chicago's celebrated architecture and the individuals who shaped its legacy. Chronological range is from the Great Chicago Fire of 1871 to the present, with special focus on the skyscraper boom, using both corporate and residential examples. Site visits/field trips included with some out of class time required. Lecture.

ART 227**Writing for Artists**

3 Credit Hours

Pre/Corequisite: P (RQ) ART-201

This class aims to help you in your art and or design career through developing your writing skills. Over the course of the semester, you will develop a portfolio of writing that you tailor to your specific needs. The student should gain an understanding of their own artistic purpose and process, and how to clearly and creatively communicate that to others.

ART 228**Design: History and Inspiration**

3 Credit Hours

This course will trace the development of modern graphic design and its inter-relatedness to architectural, industrial, interior and craft design, as well as modern painting and sculpture through a chronological survey of 20th-century styles. Students will develop their own design sensibilities through experiential design projects. Studio.

ART 229**Printmaking: Relief and Intaglio**

3 Credit Hours

Pre/Corequisite: P (RQ) ART-101 or consent of instructor

This course is an introduction to relief and intaglio print-making techniques in the form of woodcut, linoleum block, etching, aquatint and soft ground processes. Emphasis on the development of the student's technical understanding of each process and the visual and conceptual relationship of image to media. Studio. Offered as needed.

ART 237**Screen Printed Poster: Historic and Contemporary**

3 Credit Hours

Pre/Corequisite: P (RQ) ART-101 or consent of instructor

Course covers historical origins of screen printing in poster formats, as well as its contemporary applications through image-augmented lectures and hands-on studio projects. WPA posters, advertising posters, political protest, Pop art inspired and psychedelic music posters will be investigated. Course fulfills Graphic Design track elective credits. Offered as needed.

ART 238**Intermediate 3D**

3 Credit Hours

Pre/Corequisite: P (RQ) Art-128

In this course students will use advanced modeling techniques to create 3D characters and detailed visualizations of objects and spaces. Students will learn techniques for building organic and hard surface objects. Students will research and create models based on anatomy and technical reference materials using industry standard techniques. Students also illustrate the physical effects of lighting, textures, and prepare models for rigging and animation.

ART 241**Illustration: Image and Story**

3 Credit Hours

This course is an introduction to making illustrations for advertising and publishing, focused on the powerful role that visual imagery has in storytelling. Visual problems solved in stages of thumbnail, rough and comprehensive sketches to finished artwork. We will explore traditional and contemporary techniques to better understand how to effectively render imagery as well as understanding the significance and effectiveness of the language of visual storytelling. Studio.

ART 243**Women in Art**

3 Credit Hours

This course explores the topic of art by and about women through notions of feminism, colonialism/orientalism, representation, reception and the art historical canon. It will consider media including painting, printmaking, photography, video, film, textile arts, ceramics, architecture, installation art, performance and sculpture and comics. It looks at the way artists address issues of gender and sexuality, identity, history, violence, labor, embodiment, just to name a few. Taking historical context(s) into account, the course will emphasize contemporary iterations of women and representation. Lecture. Offered as needed.

ART 244**Latin American Cinema**

3 Credit Hours

This course provides an introduction to Latin American cinema. From Cuba to Brazil, from Argentina to the Latino U.S., filmmakers have theorized and made films that express the unique conditions of (Latin) American identity and life. The focus of the course is film of the last 50 years and key film movements in Latin America. These include the Edad de Oro, Mexico's cinematic Golden age of the 40's and 50's; Nuevo Cine Latino Americano and third cinema of the 60's and 70's, and the 90's to present, globalization and continental film production renaissance. In addition to in-class screenings, students attend a field trip to the Chicago Latin American Film Festival. Lecture. Offered as needed.

ART 245**Latin American Visual Culture**

3 Credit Hours

This course looks at the visual culture(s) of Latin America. It will explore expressions of Latin American and Latino culture

from the ancient Andean region to contemporary Chicago. Along the way, we will look at pre-Columbian indigenous visual culture, the curious hybridity of the colonial era, with its violent contestations between indigenous and European systems of knowledge and the explosion of the modern in popular and fine arts, including murals and revolutionary posters, fotonovelas, performance art, graffiti and low-rider art. Lecture. Offered as needed.

ART 248

Motion Graphics

3 Credit Hours

Pre/Corequisite: P (RQ) ART-119

This course will introduce students to visual communication using motion and timing. This course will be using Adobe After Effects and will demonstrate the principles/elements of design with movement. It will enhance the students digital creativity with time-based media.

ART 258

Ceramics Wheel Throwing

3 Credit Hours

This course is an introduction to the potter's wheel, glaze application and the firing process. Emphasis is placed on the development of design and construction skills with ceramic materials, concept realization and creative personal invention. Studio. Offered as needed.

ART 260

Special Topics in Art

3 Credit Hours

This course involves various thematic art topics.

ART 268

Character Animation

3 Credit Hours

Pre/Corequisite: P (RQ) Art-128

This is an introductory level 3D animation course using industry standard techniques and principles and applying them to action sequences to characters. The class focuses on using the principles to create realistic actions in characters.

ART 300

Independent Study

1 to 3 Credit Hours

This course focuses on individual study projects for advanced students in art. Topic to be determined by instructor and student. Consent of division director and instructor.

ART 305

Senior Seminar I

3 Credit Hours

This course is the first part of the seminar aimed at professional awareness and graduate preparation. Students taking the seminar will have their thesis work critiqued in class by the instructor and peers approximately every other week, and critiqued by the Art and Design Program full faculty at midterm and final. Guest artists' exhibitions and presentations, lectures, group discussions included. Senior art major; at least two semesters of any SXU studio or design art course. Presentation of a portfolio of creative and dynamic art work that

shows student is prepared for independent artistic creation. Seminar. Offered fall.

ART 306

Senior Seminar II

3 Credit Hours

Pre/Corequisite: P (RQ) ART-305

This course is the second part of the seminar aimed at professional awareness and graduate preparation. Students taking the seminar will have their thesis work critiqued in class by the instructor and peers approximately every other week, and critiqued by the Art and Design Program faculty at midterm, culminating in the required presentation of the Senior Exhibition in the SXU Gallery and/or the Visual Arts Center Student Gallery in spring. Emphasis is placed upon the design and production of an advertising postcard, reception preparations and installation options within the Gallery space. Guest artists' exhibitions and presentations and viewing of previous Senior Thesis documented exhibitions included. Requirements for Admission: Completion of Art 305 with a grade of "C" or higher. Must be taken after Art 305. Offered spring.

ART 309

Figure Drawing II

3 Credit Hours

Pre/Corequisite: P (RQ) ART-209

This course involves the continuation and expansion of the content of Figure Drawing I. Studio.

ART 314

Studio Photography

3 Credit Hours

This course will introduce the fundamentals of Studio Photography such as the use of lights, lenses, flash, and other essential tools and techniques. Studio.

ART 315

Web Site Art and Design

3 Credit Hours

Pre/Corequisite: P (RQ) ART-119 or consent of instructor

This course is an applied introduction to principles governing effective coordination of text with images for the Internet. While knowledge of programming languages is not required, basic user-competence with Macintosh computers is presumed. Studio. Offered as needed.

ART 317

Photo III: Advanced Photography

3 Credit Hours

Pre/Corequisite: P (RQ) ART-112 or ART-113, or consent of instructor

This course is the study and practice of color and studio photography. Color theory, advanced portraiture, lighting, view camera use and experimental techniques will be included. Knowledge of digital and film-based systems will be enhanced. The development of a professional portfolio through the practice of critical, creative aesthetics is a major goal of this course. Studio. Offered as needed.

ART 322

Advertising in Marketing

3 Credit Hours

This course focuses on a wide variety of techniques used in advertising and commercial art from conceptualization to audience consumption. Discussion will center around creative processes, methods of application, marketing theory and how the agency creative department works in the development and execution of creative advertising solutions. Studio. Offered as needed.

ART 326

Art of the Islamic World

3 Credit Hours

An introduction to the arts of architecture, book, illumination, ceramics, metalwork and carpets from Spain, North Africa, Middle East and South Asia. Emphasis is placed on the Islamic world's strategic role in the cultural exchange between East and West. Lecture.

ART 327

Multimedia

3 Credit Hours

Pre/Corequisite: P (RQ) ART-116 or ART-119, or consent of instructor

This digital production course offers students a range of experiences, techniques and tools for developing screen-based, time-based art. Projects in this course will allow students to experiment with a variety of digital processes for collecting, capturing and editing material. Output will include web publishing and digital video projection. Studio. Offered as needed.

ART 360

Special Topics: Art Topics

1 to 3 Credit Hours

This course involves various thematic art topics.

ART 365

Internship

1 to 9 Credit Hours

For this course, students will work in a professional design facility or on a faculty-supervised project of sufficient depth and responsibility. Consent of division director is required.

ART 371

Methods of Teaching Art in the K-12 School

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370

This course focuses on theoretical and applied investigation of practical and creative aspects of teaching art. Through classroom and field experiences, students will explore and discuss major visual art educational concepts and techniques including curriculum development and presentation of visual arts lessons. Course also includes field trips to a variety of schools where different teaching modes can be examined. 30 field experience hours. Offered fall.

BIOLOGY

BIOL 101

Principles and Methods of Biology

3 Credit Hours

This course is an introduction to cell biology, genetics, development, ecology and evolution.

BIOL 110

Fundamentals of Biology

3 Credit Hours

This course is designed to strengthen declared Biology majors who enter with a science ACT score of less than 21 and demonstrate a weakness in math. Content includes study techniques, nature of science, scientific method, the metric system, biochemistry, the cell, and basic laboratory techniques. This course is not open to the general student body. Students will be placed into this course by advising and must earn a grade of C or better in this course before beginning the General Biology sequence (BIOL 111/112).

BIOL 111

General Biology I

4 Credit Hours

Pre/Corequisite: C (RQ) BIOLB-111

This course is an introduction to the principles of biological systems. Structural organization and functional interactions are studied at cellular, organismal and population levels. General Biology is a two-semester course designed for students majoring in biological sciences. Biology majors must pass both BIOL 111 and 112 with a C or better to enroll in courses for which 111 and 112 are prerequisites. Lecture 3, Discussion and Laboratory 3.

BIOL 112

General Biology II

4 Credit Hours

Pre/Corequisite: C (RQ) BIOLB-112

Part of a two-semester General Biology Sequence along with BIOL 111, this course focuses on evolution of different forms of life and the ecological interactions that shape biodiversity. Biology majors must pass both courses with a C or better to take courses requiring BIOL 111 and BIOL 112 as prerequisites. Lecture 3, discussion and laboratory 3.

BIOL 117

Exercise Physiology

3 Credit Hours

This course is a study of the physiological factors affecting human performance during exercise. Course includes lectures, laboratories and discussions. Offered fall.

BIOL 124

Physiology of Aging

3 Credit Hours

In this course the physiological changes that occur in the aging process are addressed with emphasis on learning for the student who is not previously trained in the physiological sciences; includes information on appropriate exercise, nutrition and ways to minimize problems for the elderly.

BIOL 150**Special Topics in Biology**

1 to 3 Credit Hours

This course includes topics not regularly scheduled and not covered in other courses. Approval of program required.

BIOL 175**Zombies: Biology of the Undead**

3 Credit Hours

This course is intended for non-science majors. This course will use the model of zombies to introduce students to fundamental biology concepts including atoms and molecules, enzymes, cells, systems, pathogens and disease outbreaks. This course will train you to protect yourself from zombies (and other disease outbreaks)!

BIOL 200**Human Biology**

3 Credit Hours

Pre/Corequisite: E (RM) BIOLB-200

Human anatomy and physiology are studied from a life-cycle perspective. Contemporary topics related to health, disease, nutrition and human ecology are included.

BIOLB 200**Human Biology Lab**

1 Credit Hour

Pre/Corequisite: E (RM) BIOL-200

This is an optional lab that complements the topics covered in BIOL 200. It may be taken concurrent with or after taking BIOL 200. Laboratory 2.

BIOL 201**Women in Science**

3 Credit Hours

This course meets a number of University General Education Lab/Lecture Requirements. As a Life Science, this course will touch on the life sciences of Chemistry and Biology, exposing you to some the basic concepts of these disciplines. As a Diversity Studies as well as an Interdisciplinary Seminar, this course focuses on the integration of several fields of science, the significance of those fields in contemporary life, and some women scientists who made notable contributions to those fields. Through the study of the experiences of women scientists we will explore science in ways which illuminate science's meaning as both a method of inquiry and as a profession while also expanding our knowledge about women. This course requires active participation in all aspects of the class, from class discussion to self- and peer-evaluation.

BIOL 202**Human Anatomy**

4 Credit Hours

Pre/Corequisite: C (RQ) BIOLB-202

Study of the structures of the human body. Biology majors on the General Biology track may use this course as an elective. Students on the Pre-Health track may substitute this course for BIOL 220. Biology majors must have completed BIOL 111 and 112 with a C or better. Lecture 3, Laboratory 3.

BIOL 203**Human Physiology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-202 or BIOL-220 and C (RQ) BIOLB-203

Study of the general principles that underlie the functions of organisms with special reference to humans. Biology majors on the General Biology track may use this course as an elective. Students on the Pre-Health track may substitute this course for BIOL 320. Biology majors must have completed BIOL 111 and 112 with a C or better. Lecture 3, Laboratory 2.

BIOL 205**Zoo Biology**

3 Credit Hours

Designed to enable students to apply key principles of the biological sciences to the management of animal species. Students will complete analyses of nutrition plans, behavioral data, genetic analyses and other activities that are typical of population management. Students will have access to zoological institutions and meet zoo personnel to observe how this work benefits species conservations and to learn more about careers in the different zoo fields. In addition to on-site class meetings at both university and zoological institutions, content will also be presented via online platform and independent work will be an expectation of the course.

BIOL 206**Microbiology**

4 Credit Hours

Pre/Corequisite: C (RQ) BIOLB-206

This course is a non-major course that deals with the basic structure and functions of bacteria, protozoa, fungi, viruses, and parasitic worms with the emphasis on pathogenic mechanisms. In addition, basic immunology is studied. Biology majors interested in this field should register for BIOL 306. Lecture 3, Laboratory 3.

BIOL 207**Nutrition**

3 Credit Hours

A study of the application of the science of nutrition to human need. Attention is given to the nutrient content of foods, optimum diets throughout the life cycle, major nutrition problems in our society and the world, efforts to protect the food supply and some common diseases that require special nutritional treatment. Offered spring.

BIOL 208**Natural History of Great Lakes Region**

3 Credit Hours

Pre/Corequisite: E (RM) Biology majors must take BIOLB-208

This course covers the geologic and climatic history of the region, as well as its rich biological heritage. Several field trips and an independent exercise at the Field Museum, Peggy Notebaert Museum or Shedd Aquarium are required. Biology majors taking this course must concurrently take the lab. Saturday field trips. Offered fall.

BIOLB 208**Natural History of the Great Lakes Laboratory**

1 Credit Hour

Pre/Corequisite: E (RQ) BIOL-208

This course covers the geologic and climatic history of the region, as well as its rich biological heritage. Several field trips and an independent exercise at the Field Museum, Peggy Notebaert Museum or Shedd Aquarium are required. Majors taking this course must concurrently take the lecture offered during fall semester.

BIOL 212**Histotechniques**

3 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better or consent of instructor

This is a laboratory course designed to introduce the student to the principles and techniques utilized in preparation of animal tissues for microscopic examination. Laboratory and discussion. Offered spring alternate years.

BIOL 213**Interactions in Environment**

3 Credit Hours

Pre/Corequisite: E (RM) Biology majors must take BIOLB-213

This combined majors/non-majors course explores how organisms interact with each other and their non-living environment. Special emphasis is placed on examining human influences on these systems and the global environment. Biology majors and Environmental and Sustainability Studies minors must take the lab concurrently. Offered during spring semester.

BIOLB 213**Interactions Environment Lab**

1 Credit Hour

Pre/Corequisite: C (RQ) BIOL-213

Required for Biology majors and Environmental and Sustainability Studies minors concurrently taking BIOL 213. Laboratory 3. Offered spring.

BIOL 214**Natural History of the Vertebrates**

3 Credit Hours

This team-taught lecture course incorporates hands on examination allowing students to learn characteristics of the vertebrate groups and the basic methodology for identifying them. This course has been designed to accommodate both Biology majors and interested non-majors, Education students as well as a perfect Continuing Education course for the veteran teacher. A small fee will be assessed to support the "hands-on" lab component. For students interested in a more complete lab experience, BIOLB 214 Natural History of the Vertebrates Lab - Field Experience, taught during the summer, is recommended. Offered spring semester.

BIOLB 214**Natural History of the Vertebrates Lab**

0 to 1 Credit Hours

This lab course is a team-taught, total immersion field course where students will be able to take advantage of the wide

variety of habitats at the Reis Biological Station located in the foothills of the Missouri Ozarks that include: prairie, forest, ponds, lakes, waterways and caves. For one week, students will hike, canoe, and bird watch; locate, examine and identify any number of fish, amphibians, reptiles, and small mammals. While this field experience is meant to be a companion to BIOL 214 Natural History of the Vertebrates, it can be taken by itself. There is an associated fee that covers all trip expenses (travel, lodging, food, canoes and scheduled events). Offered summer term.

BIOL 215**Wildlife Conservation**

3 Credit Hours

Introduces students to the fundamental concepts of wildlife management and its purposes, covers relevant ecological & biological principles as well as human dimensions of wildlife management.

BIOL 220**Human and Comparative Anatomy of the Vertebrates**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and C (RQ) BIOLB-220

This course is an anatomical and evolutionary study of selected vertebrate types, including humans. The laboratory component includes dissection of various vertebrate specimens. The laboratory component includes human cadavers, lampreys and sharks. Offered fall. Lecture 3, Laboratory 3.

BIOL 221**Pathogenic Microbiology**

3 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 with a C or better

This course will focus on a variety of pathogenic microorganisms and will include an introduction to the components and functions of the immune system. Students will study diseases caused by pathogens as well as transmission, symptoms, treatment, prevention, origin and incidence. Offered spring term in alternate years.

BIOL 222**Shedd Aquarium and Associated Colleges of the Chicago Area (ACCA) Freshwater Ecology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

In this Freshwater Ecology course, you will gain an appreciation for the freshwater environment, the organisms that call these habitats home, and our relationship with both. In this course, we will cover a wide range of topics with both a local application to the Laurentian Great Lakes and a global perspective. We will make use of resources within Shedd Aquarium's collection and the Chicago area. Complete an external application to the Shedd Aquarium. Program consent required. Typically offered spring.

BIOL 223**Contemporary Ethnobotany**

3 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

Morton Arboretum and Associated Colleges of the Chicago Area (ACCA) Contemporary Ethnobotany. A study of the influence of plants on our economic, social and political history, and plants humans have chosen to protect and cultivate. Lab includes horticultural and identification work with economically important plants, and trips to plant conservatories. ACCA Cooperative College Botany Program with the Morton Arboretum. Offered periodically. Program consent required.

BIOL 224**Woody Plants of the Western Great Lakes**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

An introduction to the composition and identification of the woody flora of the western Great Lakes region. The impact of geology, climate and soils on the development of woody flora will also be considered. ACCA cooperative College Botany Program with the Morton Arboretum. Program consent required. Offered periodically.

BIOL 225**Biology of Algae**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

An introduction to the algae, including the classification, structure and reproduction of major groups. Lab includes field collections and laboratory studies of local freshwater and soil algae. Practical applications in waste management, environmental monitoring and agriculture will be considered. ACCA Cooperative College Botany Program with the Morton Arboretum. Program consent required. Offered periodically.

BIOL 226**Plant Ecology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

Examination of the structure/function relationships of plants to environmental factors, interrelationships of plant communities, laboratory and field techniques, and appropriate literature. ACCA Cooperative College Botany Program with the Morton Arboretum. Program consent required. Offered periodically.

BIOL 227**Marine and Island Ecology of the Bahamas**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

Exploration of habitats and animals found on and around the Bahamian Islands. Includes a nine-day field experience in the Bahamas. Course offered ACCA Cooperative College Program at the Shedd Aquarium. Must complete an external application to Shedd Aquarium. Program consent required. Typically offered spring.

BIOL 228**Plant-Soil Relationships**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

Topics include effects of soil on plant growth and nutrition and how plants affect the soil. ACCA Cooperative College Botany program with the Morton Arboretum. Program consent required. Offered periodically.

BIOL 229**Plant-Animal Interactions**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 CHEM-111 with a C or better

The study of the special ecological and evolutionary relationships between plants and animals. The basic interactions between plants and animals (herbivore, pollination, and seed dispersal) will be studied by observing the natural history, conducting experiments, making observations, investigating the theories, and discussing current scientific literature. ACCA Cooperative College Botany Program with the Morton Arboretum. Program consent required. Offered periodically.

BIOL 230**Invertebrate Biology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and C (RQ) BIOLB-230

The course takes a functional approach to the phylogeny, ecology and economic importance of invertebrates. The laboratory component will include trips to the Field Museum and Shedd Aquarium, as well as local nature preserves. Lecture 3, Laboratory 3. Offered spring alternate years.

BIOL 231**Exploring Medicine**

3 Credit Hours

Junior standing and a minimum GPA of 3.2 required.

Permission to register is by petition. This hybrid course is for students interested in the health professions, specifically students seeking a career as a medical doctor, doctor of osteopathy, physician assistant, and nurse practitioner. Students will study various systems of the body and learn the pathophysiology and treatment of a variety of human diseases and conditions. The course will help students to see the relevance of basic sciences to the health professions, to be better prepared for the MCAT and medical school, and to be one step ahead in their decision to pursue a career in medicine.

BIOL 240**Developmental Biology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and C (RQ) BIOLB-240

This course is designed to chronologically detail the developmental processes of various animal models from conception to birth. Lecture 3, Laboratory 2. Offered fall alternate years.

BIOL 250**Special Topics**

1 to 4 Credit Hours

This course is a formal study of topics not considered in other listed courses. It is offered by member institutions of ACCA.

Approval of the program is required.

BIOL 300**Genetics**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better CHEM-111 CHEM-112 Junior or Senior status and C (RQ) BIOLB-300

This course is a study of inheritance from molecular, cellular, organismal and population perspectives. Lecture 3, Laboratory 2. Offered spring.

BIOL 301**Genome Biology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better, BIOL-112 with a C or better CHEM-111 CHEM-112 and C (RQ)

BIOLB-301

The study of genomics with an emphasis on hypothesis driven inquiry and the shifting paradigm in genetics facilitated by emerging technologies that allow the gathering and analysis of vast amounts of DNA and other molecular data. Offered fall.

BIOL 302**Molecular Biology Techniques**

3 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better CHEM-111 CHEM-112

Additional support courses CHEM 251 or CHEM 209 are recommended but not required. This course (laboratory and discussion) is designed to introduce students to the principles and laboratory utilized in the molecular analysis of proteins and nucleic acids including: isolation and quantification of DNA, RNA and protein, electrophoretic gel systems and colorimetric detection methods; Polymerase Chain Reaction (PCR) recombinant DNA and restriction enzyme methodology, and bioinformatics analysis. Offered spring term in alternate years.

BIOL 303**Biostatistics**

3 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better PSYCH-101 MATH-112 MATH-113 or MATH-201

This course is an introduction to fundamental concepts and techniques of descriptive and inferential statistics for application to the planning and evaluation of studies in biology and allied fields.

BIOL 304**Immunology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 BIOL-112 with a C or better BIOL-306 and E (RQ) BIOLB-304

This course includes a survey of the immune system focusing on immune cells and tissues, antibodies, complement and cytokines. Also included are humoral immune responses, cell mediated responses, hypersensitivity, autoimmunity, cancer, and immunodeficiency. Lecture 3, Laboratory 3. Offered spring term.

BIOL 305**Cell Biology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 and BIOL-112 with a C or better, CHEM-111 and CHEM-112 and P (RQ) CHEM-209 or CHEM-251 and C (RQ) BIOLB-305

This course is a study of the structural and functional aspects of the cell with emphasis on membranes and the cell surface, cellular energetics, cell motility, cell synthesis and growth, cell divisions and cell origins. Lecture 3, Laboratory 3. Offered spring.

BIOL 306**General Microbiology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and C (RQ) BIOLB-306

This course is for majors dealing with the structure and functions of bacteria, protozoa, fungi and viruses. Immunology, environmental and applied microbiology will be included. Lecture 3, Laboratory 3. Offered fall.

BIOL 308**Histology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and E (RQ) BIOL-220 or BIOL-202 and C (RQ) BIOLB-308

This course is designed to enable the student to understand the microscopic anatomy of cells and their products, how cells form tissues and how tissues are then incorporated into larger structures (i.e. organs). Offered fall alternate years.

BIOLB 308**Histology Lab**

0 Credit Hours

Pre/Corequisite: C (RQ) BIOL-308

BIOL 310**Animal Behavior**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and junior or senior status and C (RQ)

BIOLB-310

This course examines the behavior of animals from multiple biological perspectives by integrating genetics, physiology, ecology and evolution. The laboratory complements lecture with exercises and discussions based on these perspectives. Lecture 3, Laboratory 3. Offered fall.

BIOL 312**Plant Diversity and Adaptation**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better Junior or Senior standing and C (RQ) BIOLB-312

This course focuses on the study of plant diversity with an emphasis on how plants have met various environmental challenges through adaptations in their morphology, anatomy, modes of reproduction, and basic physiological and molecular mechanisms. Lecture 3, Laboratory 3. Offered spring alternate years.

BIOL 318**Ecology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and C (RQ) BIOLB-318

This course is the scientific study of how organisms interact with their non-living environment and with other organisms. The emphasis is on ecological concepts and methodology. The laboratory component and field trips focus on experimentation and observation, along with data analysis and interpretation. Two required Saturday field trips. Lecture 3, Laboratory 4. Offered fall.

BIOL 320**Human and Comparative Physiology**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-220 CHEM-111 and C (RQ) BIOLB-320

This course is a comparative study of the physiological functions and adaptations of vertebrates, including humans. Lecture 3, Laboratory 2. Offered spring.

BIOL 329**Hormones and Behavior**

3 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better PSYCH-101

Taught from a comparative perspective, this course includes examples of hormone behavior interactions in a variety of organisms. In this course animal data will be related to human development, physiology and ultimately human behavior. Offered spring.

BIOL 330**Cadaver Dissection**

1 Credit Hour

Pre/Corequisite: P (RQ) BIOL-202 or BIOL-220 with a B or better consent of instructor

This course involves the study of human gross anatomy by dissecting a human cadaver. Offered in the interim between fall and spring terms.

BIOL 333**Evolution**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better and C (RQ) BIOLB-333

Included are the historical developments of evolutionary theory, macroevolution, and the evolutionary history of some representative plant and animal lineages. Course includes field trips and some laboratory exercises that make use of local natural areas and The Field Museum. Lecture 3, Laboratory 3. Offered spring alternate years.

BIOL 341**Neuroscience**

4 Credit Hours

Pre/Corequisite: P (RQ) BIOL-111 with a C or better BIOL-112 with a C or better CHEM-111 CHEM-112 and C (RQ)

BIOLB-341

This course investigates the neural processes involved in organisms' perception of themselves and their surroundings, ability to learn, remember and forget and to reason. Basic neuroscience research investigates these mysteries and is the basis of this course. Lecture 3, Laboratory 2. Offered fall.

BIOL 350**Special Topics**

1 to 3 Credit Hours

Formal study of topics not considered in other listed courses. Courses offered by member institutions of ACCA. Approval of the program is required.

BIOL 351**Lab and Field Research I**

1 to 2 Credit Hours

This course includes individual laboratory or field research, including literature search on a problem in biology.

Prerequisite: biology major with junior or senior status and consent of the faculty mentor.

BIOL 352**Lab and Field Research II**

1 to 2 Credit Hours

Pre/Corequisite: P (RQ) BIOL-351 consent of mentor

This course includes individual laboratory or field research on a problem in biology.

BIOL 353**Independent Study**

1 to 3 Credit Hours

This course is an informal study of advanced topics in biology on a tutorial basis. Prerequisite: biology major with junior or senior status and consent of the faculty mentor.

BIOL 355**Senior Seminar**

1 Credit Hour

Pre/Corequisite: P (RQ) Biology major with Senior standing
This course is a review of current literature in biology through discussion and presentations. Prerequisite: biology major with senior status.

BIOL 372

Methods of Teaching Biology in Middle And Secondary Schools

3 Credit Hours

This course covers the principles, methods and materials of teaching biology at the middle school and secondary level. Level 2 education course: Requires admission to the Education Program. Classroom and field experiences. 30 clinical hours. Offered fall.

BIOL 401

Pro Seminar 1: Adjusting to Life as a Science Student

1 Credit Hour

This course covers topics including adjusting to life as a science student, academic resources, guidance for finding research and clinical opportunities, and preparing for the professional/medical school application process.

BIOL 402

Pro Seminar 2: The Application Cycle

1 Credit Hour

This course prepares students for the application cycle. The course will provide opportunities for students to work on significant application components as part of the coursework, including their AMCAS activities listing, preparing a strong personal statement, selecting target medical/professional schools, and navigating the centralized application. The course will also allow students to practice their interviewing skills and plan for their glide year.

BIOL 403

Pro Seminar 3: Medical Ethics

1 Credit Hour

This course discusses the principles of medical ethics. In it, students will discover the meaning of the term "ethics", describe the global development of medical ethics by the World Health Organization (WHO), describe the core principles of medical ethics and their implications, recognize ethical issues relevant to the clinical situation and apply the ethical codes as appropriate, discuss the development of indigenous ethical codes in the South East Asian region, and demonstrate sensitivity to cultural diversity in medical care. Students will also read and discuss popular books, and scientific literature.

BIOL 404

Pro Seminar 4: Health Disparities

1 Credit Hour

This course discusses the principles of the historical development of systems of racial classification and their use in scientific inquiry and public policy. In it, students will discover the complex relationships between race, socioeconomic status, psychosocial and cultural factors and how these relationships underlie health disparities; assess the impact of healthcare and access and quality on health status and health disparities; and examine potential strategies for better understanding health disparities and working toward health equity. Students will also read and discuss popular books, and scientific literature.

BUSINESS ANALYTICS

BANA 130

Essential Business Computing

3 Credit Hours

Pre/Corequisite: E (RM) MATH-132 or MATH-135 or high school weighted G.P.A. of 3.5 or higher

This course is an introduction to Business Computations. It covers practical business math procedures. The course covers many topics that are necessary for running a business. Some of these main topics include: banking, markups and markdowns, payroll, loans, insurance, and inventory.

BANA 251

Software for Business Analytics

3 Credit Hours

Pre/Corequisite: P (RQ) Math-132 or Math-135 or High School weighted GPA of 3.5 or higher

This course is an introductory course in software and methods for business analysis. The course focuses on using Microsoft Office Excel to answer business questions. Students will also practice effective written communication of technical information. Diligent students will be prepared to take the Microsoft Office Specialist Exams certifying knowledge of Excel.

BANA 320

Service Operations Management

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-132 or MATH-135 and P (RQ) BANA-130

This course explores the dimensions of successful service firms. It prepares students for management careers and entrepreneurial opportunities. Students learn how to operate service organizations such as retail outlets, food & beverage, healthcare and so forth.

BANA 346

Health Data and Analytics

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-132 or MATH-135 and P (RQ) BANA-251

This course will help you understand the process of analyzing patient and other healthcare data to drive change and achieve greater efficiencies in healthcare systems. You will build the programming and scripting skills (no prior experience needed) you need to analyze and explore data sets. By the end of this course, you will be able to perform statistical analyses of healthcare data and turn it into actionable information to improve healthcare systems. This online class has optional live sessions.

BANA 350

Business Analytics

3 Credit Hours

Pre/Corequisite: P (RQ) BANA-251

The course is an introduction to Business Analytics. It covers managerial statistical tools in descriptive analytics and predictive analytics, including regression. Other topics covered include forecasting, risk analysis, simulation and data mining, and decision analysis. This course provides students with

the fundamental concepts and tools needed to understand the emerging role of business analytics in organizations and shows students how to apply basic business analytics tools in a spreadsheet environment, and how to communicate with analytics professionals to effectively use and interpret analytic models and results for making better business decisions. Emphasis is placed on applications, concepts and interpretation of results, rather than theory and calculation. Students use computer software packages for data analysis.

BANA 351

Introduction to Project Management

3 Credit Hours

Project management is designed to prepare new or aspiring project managers to oversee complex projects from the initial planning stages while balancing competing demands of time, cost and quality. The course will focus on industry-standard processes approved to help successfully manage any type of project regardless of scope or industry. Students will practice these concepts in a project-based team environment using MS Project. This course will discuss project feasibility, justification, and scheduling using work breakdown structures (WBS), Critical Path Methods and PERT, project budgeting/costing and performance evaluation.

BUSINESS PREPARATION

BUSP 101

Business Matters

3 Credit Hours

This course provides a basic overview of the business world and teaches students the how and why of the various functions of business. Topics include the principles and practices of contemporary business, such as: environmental scanning, globalization, entrepreneurship, marketing practices for product and/or service promotion, human resource policies, management and employee motivation practices, etc. After an introductory description on the goals of business, how ethics and social responsibility relate to shareholder value, and economic impacts, students will be introduced to various types of business ownership's and non-profit corporation operational procedures. Upon completion, students should be able to demonstrate an understanding of the basic business concepts as a foundation for studying other business subjects.

BUSP 201

Achieving Career Excellence

3 Credit Hours

This course provides a basis overview on ways to achieve career excellence in business. The course teaches students to research, reflect, and determine their best career options. Students learn how to set their expectations, and work to reach them. The course focuses on preparations for a job search, strategies during the search process, and starting new employment. Students are taught strategies and best practices for managing their career after graduation.

BUSP 381

Business Internship I

3 Credit Hours

Students work in real world situations and gain valuable, practical experiences. Students receiving credit must have the pre-approval of the program director. Approval will be based on the level of technical work actually being done during the internship. The course grade is based on job performance and academic projects related to the position.

BUSP 382

Business Internship II

3 Credit Hours

Pre/Corequisite: P (RQ) BUSP-381

Students work in real world situations and gain valuable, practical experiences. Students receiving credit must have the pre-approval of the program director and must have completed BUSP 381. Approval will be based on the level of technical work actually being performed during the internship. Internships for this position must be materially different than the internship used to satisfy BUSP 381 requirements. The course grade is based on job performance and academic projects related to the position.

CSDI

CSDIL 207

Speech Science Lab

1 Credit Hour

Pre/Corequisite: P (RQ) CSDI-205 and C (RQ) CSDI-207

Laboratory component designed to reinforce concepts presented in lecture, and to introduce students to the collection and analysis of speech data using basic instrumentation.

CHEMISTRY

CHEM 102

What's in Our Food

3 Credit Hours

This course surveys food science from a consumer perspective using lecture and hands on activities. It provides students with a foundational understanding of how science plays an integral role in the food industry from ingredient selection to final product quality. Topics include food sensory, food chemistry, health claims & nutrition, ingredient & process technology, food regulation, safety, and preservation, as well as consumer trends.

CHEM 103

Environmental Science

3 Credit Hours

This course surveys scientific laws, principles, models and concepts to help the students understand both environmental and resource problems and their possible solutions and how these concepts, problems and solutions are connected. Topics may include applied aspects of environmental chemistry, global warming, biomass energy, green chemistry and the effects on non-industrialized agricultural societies and industrialized societies on the environment.

CHEM 106**Chemistry Essentials**

3 Credit Hours

This course introduces basic concepts in chemistry and teaches problem-solving skills used in chemical calculations. Emphasis is on the use of dimensional analysis techniques. Offered fall. NOTE: Credit does not apply toward a minor in science.

CHEM 109**Survey of General, Organic and Bio-Chemistry**

4 Credit Hours

Pre/Corequisite: E (RQ) College Level Math and C (RQ) CHEML-109

This course provides a survey of basic concepts in general chemistry, organic chemistry and biochemistry. Lecture and laboratory topics include atomic structure and chemical bonding, dimensional analysis, composition and reactions of some inorganic compounds, a survey of functional group structure and reactivity of organic compounds in general and in biochemical systems. Structure and function of biomolecules like carbohydrates, lipids, proteins, enzymes, vitamins and nucleic acids will also be discussed. Lecture 3, Laboratory 3

CHEM 111**General Chemistry I**

4 Credit Hours

Pre/Corequisite: P (RM) Completion of HS Chemistry within the last 3 years or CHEM 106 with a grade of "C" or better and placement into a college level math course and C (RQ) CHEML-111 and E (RQ) MATH-112

This course focuses on the study of atomic structure, periodicity, basic quantum theory, bonding, stoichiometry, thermochemistry, the gaseous state, physical changes and states of matter, properties of solutions, and acids and bases. Lecture 3, Laboratory 4.

CHEM 112**General Chemistry II**

4 Credit Hours

Pre/Corequisite: P (RQ) CHEM-111 with a C or better MATH-112 and E (RQ) MATH-113 and C (RQ) CHEML-112

This course focuses on the study of acid-base and solubility equilibria, kinetics, thermodynamics, electro-chemistry, coordination compounds, nuclear chemistry and descriptive topics in inorganic chemistry. Lecture 3, Laboratory 4.

CHEM 150**Special Topics in Chemical Science**

1 to 3 Credit Hours

This course focuses on the study of topics not regularly scheduled and not covered in other courses. Suggested topics concern nuclear science, forensic science and environmental science. Prerequisite: A high school or college chemistry course or consent of instructor.

CHEM 209**Survey of Organic Chemistry with Biological Applications**

4 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112 and C (RQ) CHEML-209

This is a one-semester survey course in organic chemistry with biological applications designed for students in General Biology, Natural Science, Secondary Education, etc. This course explores the structure, bonding, physical properties and nomenclature of organic materials and biological systems along with stereochemistry and reaction mechanisms of organic compounds exemplified by biological reactions. Analysis of organic molecules using various spectroscopy: IR, NMR, UV, an MS, will be taught. Application of the organic reactions in biological systems will be covered through introduction to the following topics: Amino Acids, Lipids, Carbohydrates, Metabolism, Peptides, and Proteins. This course is not intended for Biology Pre-Health majors, as they need to take the CHEM 251/252 series. This course does not provide adequate preparation for Organic Chemistry II, CHEM 252. This course does not provide adequate preparation for Biochemistry I, CHEM 301. Lecture 3, Laboratory 3.

CHEM 211**Analytical Chemistry**

5 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112 and C (RQ) CHEML-211

This course involves theories and applications of analytical methods. Environmental, household and industrial samples are quantitatively assayed using gravimetric, volumetric, electroanalytical and spectrometric methods. Lecture 3, Laboratory 4. Offered fall.

CHEM 213**Environmental Chemistry**

4 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112, MATH-113 and C (RQ) CHEML-213

This course will introduce the processes that regulate the composition of air, water, and soil on planet Earth. Emphasis will be on understanding chemical equilibrium and kinetics of natural systems and examining the sources, reactions, effects, and fates of chemicals in air, water, and soil. The laboratory will incorporate current practices and instruments to analyze such environmental samples.

CHEM 250**Special Topics in Chemistry**

0 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112 and consent of instructor

This course includes formal courses covering individual topics or groups of topics not regularly scheduled and not covered in other courses. Suggested topics include clinical, environmental, food, forensic, geochemistry, industrial and nuclear chemistry.

CHEM 251**Organic Chemistry I**

3 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112 with a C or better and E (RQ) CHEML-251

This course discusses bonding, structure, reactivity, isomerism, nomenclature and stereochemistry of aliphatic and aromatic hydrocarbons (saturated and unsaturated). Particular emphasis is placed on the mechanism of organic reactions (physical-organic chemistry) and spectroscopy. Lecture 4. Offered fall.

CHEML 251**Organic Chemistry I Lab**

1 Credit Hour

Pre/Corequisite: P (RQ) CHEM-112 with a C or better and E (RQ) CHEM-251

This course explores methods of purification and separation of organic compounds: distillation, extraction, crystallization, thin layer, column and gas-liquid chromatography and resolution. The preparation of several simple organic compounds is included. Laboratory 4. Offered fall.

CHEM 252**Organic Chemistry II**

3 Credit Hours

Pre/Corequisite: P (RQ) CHEM-251 and E (RQ) CHEML-252

This course discusses the structure and reactivity of a variety of functional groups (halides, alcohols, ethers, carboxylic acids and derivatives, aldehydes, ketones, and amines). Emphasis is placed on the mechanisms of reactions and the spectral properties of the various functional groups. The knowledge of functional group chemistry is extended to compounds of biological importance: fats, amino acids, proteins, carbohydrates, alkaloids and organic pesticides. Lecture 4. Offered spring.

CHEML 252**Organic Chemistry II Lab**

1 Credit Hour

Pre/Corequisite: P (RQ) CHEML-251 and E (RQ) CHEM-252
This course explores reactions and properties of typical organic functional groups. Preparation of typical classes of organic compounds is also included. Laboratory 4. Offered spring.

CHEM 301**Biochemistry I**

3 Credit Hours

Pre/Corequisite: P (RQ) CHEM-252

This course discusses structures and properties of amino acids, proteins, carbohydrates, enzymes, coenzymes and nucleic acids. Introductions to bioenergetics and metabolism are included. Offered fall.

CHEML 301**Biochemistry Laboratory I**

1 Credit Hour

Pre/Corequisite: E (RQ) CHEM-301

This course is an introduction to biochemical laboratory techniques. Experiments include purification and characterization of various biomolecules and enzyme kinetics. Laboratory 3. Offered fall.

CHEM 302**Biochemistry II**

3 Credit Hours

Pre/Corequisite: P (RQ) CHEM-301 CHEML-301

This course discusses metabolism of carbohydrates, lipids, amino acids, proteins and nucleic acids. Biosynthesis of macromolecules and regulatory processes are included. Offered spring even years.

CHEML 304**Synthesis and Characterization Lab**

2 Credit Hours

Pre/Corequisite: P (RQ) CHEM-209 or CHEML-251

This course includes syntheses of a variety of organic and inorganic compounds. Products are characterized using both chemical and spectral techniques. Laboratory 4. Offered spring even years.

CHEM 305**Advanced Inorganic Chemistry**

3 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112

Topics explored in this course include atomic structure, periodicity, bonding theory, acid-base concepts, coordination and organometallic and bioinorganic chemistry. Offered fall odd years.

CHEM 311**Instrumental Methods of Analysis**

4 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112 MATH-201 and C (RQ) CHEML-311

Theory and applications of instrumental methods for chemical analysis with emphasis on sample handling, instrument parameters and statistical evaluation of data. Includes measurement basics, atomic and molecular spectroscopy, electroanalytical chemistry, separation methods and troubleshooting. Lecture 2, Laboratory 4. Offered spring odd years.

CHEM 331**Physical Chemistry I**

4 Credit Hours

Pre/Corequisite: P (RQ) PHYS-202 or PHYS-212 and C (RQ) CHEML-331 and P (RQ) CHEM-112 MATH-202

This course discusses the laws and applications of thermodynamics; reaction and phase equilibria; reaction kinetics. The laboratory component explores: thermochemical and cryoscopic studies phase diagrams, measurement of thermodynamics quantities and studies of surface phenomena. Lecture 3, Laboratory 4. Offered spring.

CHEM 332**Physical Chemistry II**

4 Credit Hours

Pre/Corequisite: P (RQ) CHEM-112 MATH-202 and C (RQ) CHEML-332

This course discusses electrochemical systems; transport phenomena; atomic and molecular quantum mechanics; spectroscopy, statistical mechanics. The laboratory component explores: electrochemical measurements, macromolecular characterization, spectroscopic determination of physical

properties of molecules, quantum mechanical computations with application of group theory to chemical symmetry. Lecture 3, Laboratory 3. Offered fall even years.

CHEM 340**Scanning Electron Microscopy**

2 Credit Hours

During the scanning electron microscopy course, students learn through lecture, demonstration, and hands-on participation how to set up and operate SEM and EDS instruments, including low-vacuum and field-emission models. Students have the opportunity to study their own samples, or test samples provided by our experienced instructors. Course offered at Hooke College of Microscopy in Westmont, IL.

CHEM 341**Atomic Force Microscopy and Scanning**

1 Credit Hour

This AFM/SPM course provides a foundation for students in the principles of operation of atomic force microscopes, basic and advanced imaging modes, overall capabilities of atomic force microscopy/scanning probe microscopy and how best to operate the microscope depending on the sample. In this practical hands-on course, students will be trained on Bruker and Asylum Research AFMs. Lectures are interwoven with labs on a variety of samples so that students learn, understand, and operate state-of-the-art microscopes. This course is intended for students new to AFM/SPM. Course offered at Hooke College of Microscopy in Westmont, IL.

CHEM 342**Pharmaceutical Materials and Contaminant**

2 Credit Hours

Utilizing microscopical examination coupled with sample isolation, preparation, and analytical method optimized for small particles, this pharmaceutical analysis course teaches an analytical approach to successfully identifying particulate contamination for regulatory compliance. The overall analytical approach for the identification of contaminant particles in pharmaceuticals is outlined at the beginning of the course. The analysis plan includes sample examination, gathering of background information concerning the sample, and particle isolation. Course offered at Hooke College of Microscopy in Westmont, IL.

CHEM 350**Special Topics: Chemistry**

1 to 2 Credit Hours

This course includes formal courses covering individual topics or groups of topics not regularly scheduled and not covered in other courses. Suggested topics include advanced quantum, environmental, industrial, materials, medicinal, organometallic, physical-organic and polymer chemistry. NOTE: Consent of instructor required.

CHEM 351**Introduction to Research I**

1 to 3 Credit Hours

This is the first part of a research course in the use of the chemical library and individual laboratory study of some problem in chemistry. Offered at the request of students. Note:

Science majors with junior or senior status and/or consent of the faculty mentor.

CHEM 352**Introduction to Research II**

1 to 3 Credit Hours

This is the second part of a research course in the use of the chemical library and individual laboratory study of some problem in chemistry. Offered at the request of students. NOTE: Science majors with junior or senior status and/or consent of the faculty mentor.

CHEM 353**Independent Study**

1 to 3 Credit Hours

This course is an informal study of advanced topics in chemistry on a tutorial basis. Offered at the request of students. NOTE: Science majors with junior or senior status and/or consent of the program faculty supervisor.

CHEM 356**Introduction to Senior Seminar**

1 Credit Hour

In this course students identify a mentor and research topic and begin assembling materials for Senior Seminar. Senior status required.

CHEM 357**Senior Seminar**

1 Credit Hour

Pre/Corequisite: P (RQ) CHEM-356 and senior status
In this course students conduct library or laboratory research. A paper is written and a presentation is given to faculty and students.

CHEM 360**Internship**

0 to 3 Credit Hours

The student will spend a specified number of hours in a chemical work setting, report regularly to an academic supervisor and receive assignments appropriate to his/her type of work. Offered by special arrangement.

COMM. SCIENCES/DISORDERS

CSDI 202**Professional Writing in Communication Sciences and Disorders**

2 Credit Hours

Pre/Corequisite: P (RQ) CSDI-204

This course is designed to increase students' professional writing skills, with a focus on professional writing for clinical reports, observations, academic writing, and to enhance information literacy skills. Offered spring.

CSDI 204**Introduction to Communication Disorders**

3 Credit Hours

This course introduces the student to human communication and its disorders. It provides a survey of speech, language, and hearing behavior as a field of scientific study and a

description of the major types of speech, language, and hearing disorders. It also covers the origins and development of the speech-language-hearing profession, current requirements for professional practice, and requisites for success in this field. Offered fall.

CSDI 205

Phonetics

3 Credit Hours

This course examines the articulatory and perceptual characteristics of speech sounds used in English and provides instruction in using the International Phonetic Alphabet for phonetic transcription. Offered spring.

CSDI 206

Anatomy and Physiology of the Speech and Hearing Mechanisms

4 Credit Hours

Study of the respiratory, phonatory, and articulatory mechanisms for speech, the peripheral and central auditory mechanisms for hearing, and the mechanism for swallowing. Lab component included. Offered fall.

CSDI 207

Speech Science

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-205, and C (RQ) CSDIL-207

Study of speech production, speech acoustics, psychoacoustics, and speech perception. Offered fall.

CSDI 214

Language, Culture and Society

3 Credit Hours

Introduction to the study of language and how it correlates to society. Overview of the basic subfields of language such as syntax, morphology, pragmatics and semantics. Emphasis is placed on language diversity in US English, the study of language ideologies and language policies, and their influence on the field of Communication Sciences and Disorders.

CSDI 215

Guided Clinical Observations in CSD

2 Credit Hours

Students will complete a minimum of 25 observation hours of a licensed, certified Speech-Language Pathologist conducting treatment of clients presenting with disorders of speech, language, and swallowing. Students will discuss the presenting disorder, methods implemented by the clinician, the effectiveness of these methods, outcomes of sessions, and implications of further invention. This course is designed, and strongly recommended, for students who need to complete the American Speech-Language-Hearing Association's (ASHA's) guided clinical observation requirement.

CSDI 301

Speech Sound Development and Disorders

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-205

This course provides a detailed study of phonological and articulatory development in children. It also provides

an introduction to disorders, with emphasis on etiology, assessment, and remediation. Offered spring.

CSDI 305

Development of Language in the Young Child

3 Credit Hours

Pre/Corequisite: E (RQ) PSYCH-200 or PSYCH-199 (Early Childhood majors may substitute EDU-205)

This course is designed to be an investigation into the nature of language and the total process of normal language acquisition in children, verbal and non-verbal, incorporating the most recent theories and practices in child language research. Offered fall.

CSDI 306

Language Disorders in Children

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-305

This course investigates the nature, causes, and features of language disorders in children. It also provides an introduction to assessment and remediation. Offered spring.

CSDI 307

Introduction to Audiology

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-206,

This course provides an analysis of the nature and causes of hearing impairment. A study of audiologic procedures and audiometric interpretation. Lecture, Laboratory. Offered fall.

CSDI 308

Aural Rehabilitation

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-307

This course is an overview of amplification and (re)habilitative needs identified among hard-of-hearing individuals of all ages. Strategies for management developed from the perspective of the speech-language pathologist are presented. Offered fall.

CSDI 309

Neuroscience of Communication

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-206

This course examines the neurological foundations of speech, language, and swallowing, and provides an introduction to the neurogenic communication disorders of aphasia, apraxia of speech, and dysarthria. Offered fall.

CSDI 310

Clinical Methods in Speech- Language Pathology

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-301, CSDI-306

This course is a study of therapeutic approaches and methods for the assessment and treatment of persons with speech-language disorders. It includes experience with goal setting, writing of objectives, lesson planning, data keeping, report writing and developing clinical materials. Offered fall.

CSDI 315

Fluency, Voice, and Resonance

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-206

This course investigates the nature, characteristics and etiologies of fluency, voice, and resonance disorders and provides an introduction to assessment and remediation.

Offered spring.

CSDI 317

Multicultural Aspects of Communication

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-204

This course for students in communication sciences and disorders develops knowledge important for effective interaction with culturally diverse populations. It discusses the effects of cultural differences and regional, social, and cultural dialects on communication, including language and identity, code-switching, gender differences, and the impact of socio-economic status on language. Offered fall.

CSDI 320

Communication Skills in the School-Age Years

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-305

This course includes an introduction to the development of language from kindergarten through adolescence and the relationship between language learning in oral and written modalities. The importance of language ability to school performance, social interactions, and emergent vocational skills will be discussed. Offered spring.

CSDI 355

Clinical Practicum

2 Credit Hours

Pre/Corequisite: P (RQ) CSDI-310

This practicum provides a maximum of 50 clock hours of supervised clinical practice in the Ludden Speech and Language Clinic. Offered spring and/or fall.

CSDI 370

Senior Seminar

1 Credit Hour

Pre/Corequisite: P (RQ) CSDI-202

This course provides an opportunity to synthesize coursework in the major completing a reflective paper. It also requires development and presentation of a project specific to a student's interests. Senior standing. Offered spring.

CSDI 395

Special Topics

1 to 3 Credit Hours

Course offerings developed to provide study of topics of significance in communication sciences and disorders. Offered as needed.

CSDI 396

Independent Study

1 to 3 Credit Hours

This course provides an independent program of study or research experience. Permission of instructor, undergraduate coordinator, and dean.

COMMUNICATION

COMM 101

Speech Fundamentals

3 Credit Hours

This course is an introduction to the theory and practice of public speaking. Students will develop skills that enable them to present themselves and their ideas in an effective manner. Extensive practice in speech organization and delivery is included. Designed for the beginning speaker; should be taken during the first year. Credit for this course cannot be used in the communication major or minor. Offered every semester.

COMM 110

Newswriting and Reporting

3 Credit Hours

This course is a survey of the professional practice of journalism, including the basic techniques of news writing for print, electronic media and Internet. Offered fall.

COMM 200

Perspectives on Human Communication

3 Credit Hours

This course is an introduction to the theory, research and practice of human communication within a variety of contexts. The course is designed to provide the background necessary to understand the role of communication in everyday life. Offered fall and spring.

COMM 203

Intercultural Communication

3 Credit Hours

This course is an analysis of the impact of culture on various communication behaviors. Special attention is given to the study of cross-cultural interactions in interpersonal and organizational contexts. Issues such as globalization and diversity sensitivity will be examined. Offered fall.

COMM 205

Mediated Message Production

3 Credit Hours

This course will introduce students to the production of two types of mediate messages common in most communication organizations: audio and video. Students will complete basic audio and video projects. Offered fall.

COMM 206

Communicating with Social Media

3 Credit Hours

This course critically explores how and why individuals use social media to communicate personal identity and build various networks of interpersonal relationships, while navigating issues of privacy and social norms. Offered spring.

COMM 207**Sports Communication**

3 Credit Hours

This course surveys major topics in sport communication, including the symbiotic relationship between sport and mass media, how gender and ethnicity are represented in sport media, the history of the media's coverage of sport in the U.S., the role of interpersonal and group communication in sporting activities and audience studies of the impact of mediated sport. Offered spring.

COMM 209**Small Group Communication**

3 Credit Hours

This is a laboratory course aimed at providing the student with theory and practice in group communication methods, including reflective thinking, problem solving and decision making. Offered periodically.

COMM 210**Interpersonal Communication**

3 Credit Hours

This course includes an emphasis on the achievement of success in organizations and in private life through the use of effective interpersonal communication. Offered periodically.

COMM 211**Introduction to Mass Communication**

3 Credit Hours

This course is an introduction to the field of communication with specific focus on the elements of mass communication: the information delivery systems, their functions and the uses to which they are put by society. The emphasis is on a theoretical and conceptual basis for the functioning of mass communication in society: technology and change, diffusion of information, freedom and responsibility, mass culture. Offered fall and spring.

COMM 216**Introduction to Health Communication**

3 Credit Hours

This course is a survey of health communication concepts and theories. The processes by which people, individually and collectively, understand shape and accommodate to health and illness issues are explored as well as the study and use of communication strategies to inform and influence individual and community decisions that enhance awareness, processes and procedures. Offered spring.

COMM 220**Digital Audio Production**

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-205

This course is a lecture/lab experience in digital audio production and the production of audio forms including interviews, air shifts, commercials/public service announcements, news/documentaries for distribution by traditional and Internet-based media. Offered spring.

COMM 221**Digital Video Production**

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-205

This course focuses on production techniques for digital video projects utilizing single-camera on-location shooting and nonlinear editing. Projects focus on instructional videos, news packages and documentaries for distribution by traditional and Internet-based media. Offered spring.

COMM 223**Podcasting**

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-205

This course introduces students to the new audio broadcasting field known as podcasting. Students will discuss how to develop an engaging story, how to tell that story using only auditory means, how to edit their story through sessions known as "edits", and distribute their stories through various online means. (I.E. iTunes, Stitcher, YouTube, etc.) Offered fall.

COMM 227**Political Communication**

3 Credit Hours

This course examines the role communication plays in our political lives. In particular, the course examines how contemporary political communication influences our interpersonal lives, how it permeates the organizations we associate with and how it dominates the many forms of mass communication we consume. Finally, the course investigates effective campaign communication strategies. Offered fall.

COMM 244**Introduction to Public Relations**

3 Credit Hours

This course focuses on the principles and practices of public relations of profit and non-profit institutions. The tools of communication and the numerous publics involved will be covered. Offered spring.

COMM 255**Special Topics in Communication**

1 to 6 Credit Hours

COMM 256**Queer Cinema**

3 Credit Hours

This course introduces students to the history and study of GLBTQ film. Students will screen examples of various styles and genres of queer cinema, study directors and studios who produce queer cinema and learn to critique film in both an oral and written fashion. Offered spring.

COMM 257**Non-Profit Communication**

3 Credit Hours

This course is a survey of nonprofit communication concepts and theories that explores strategies for effectively communicating with unique nonprofit sector stakeholders including: directors, donors, volunteers, and communities as well as theories and strategies for engaging in cause marketing

communication across various channels, including social media, media relations, fundraising, grant writing, volunteer recruitment and event planning.

COMM 260

Introduction to Women's Gender and Sexuality Studies

3 Credit Hours

This course addresses the relationship between biological sex and the construction of gendered identities. As a result, this course deals directly with this relationship, as well as the historical conditions that give rise to this relationship, by examining writings about women and men and femininity and masculinity, from a range of disciplines that include the cultural, the sociological and the anthropological.

COMM 265

Social Media Advocacy and Campaigning

3 Credit Hours

This course critically explores, from both message analysis and message creation perspectives, how individuals, groups, and organizations strategically use social media to engage various publics for a variety of purposes including marketing, advocacy, and collective action. Offered spring.

COMM 298

Independent Study

1 to 4 Credit Hours

This course is an individual investigation of special problems and topics in communication. Prerequisite: 25 hours of communication, 3.25 GPA, and consent of instructor.

COMM 301

Law of Mass Communication

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course examines the U.S. legal system as it affects the mass media. Students will review the responsibilities of professional communicators, as they relate to the First Amendment, risks to public safety, defamation, access to government information, the right to a fair trial, copyright laws, obscenity and the regulation of advertising and the electronic media. Offered periodically.

COMM 313

Persuasion

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course is a study of the means of influencing others. The logical, psychological, emotional and ethical dimensions of persuasive communication is explored. Practice in creating and delivering persuasive messages is included. Offered spring.

COMM 321

Electronic Journalism

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course emphasizes researching, writing and producing extended news and public affairs reports for the Internet, television, radio and other electronic media. Electronic news media responsibilities and ethical restraints are analyzed. Offered spring.

COMM 324

Senior Seminar I: Communication Research

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course provides students with a research vocabulary, advanced writing skills and research tools for analyzing and evaluating information in the Communication discipline. The course introduces students to qualitative and quantitative research methodologies and the paradigms associated with each inquiry. Students will select their Senior Seminar II: Research Application topic, write a proposal to investigate the topic, conduct a literature review and/or other comparable written work on the topic and engage in original research related to the selected project. Offered fall. NOTE: This course is a prerequisite to COMM 369: Senior Seminar II: Research Application.

COMM 333

Communication Problems and Topics

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course is an examination of emerging and recurring issues affecting audiences, industries and institutions in mediated and/or non-mediated contexts. The course also provides practice in professional development, including cover letter and resume writing, interviewing and professional portfolio development. Offered spring.

COMM 335

Organizational Communication

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course is an examination of communication systems within and among organizations. The course focuses on the process of communication, types and components of communications systems and the effects of communication systems as they impact employee productivity, growth and values. Offered spring.

COMM 337

Leadership Communication

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course is an introduction to the theory and practice of communication as it applies to organizational leadership. Students will develop skills that enable them to present themselves and their ideas in an effective manner. Extensive practice in delivering, speaking and writing are required with emphasis on audience analysis, research, leadership challenges and theoretical strategies for addressing diverse groups. Offered fall.

COMM 350

Gender and Communication

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course will introduce students to social constructionist perspectives on sex, gender and sexual orientation. Students will be provided a historical survey of women's and gender studies scholarship and connections to contemporary communication theory. Offered spring.

COMM 365**Internship/ Practicum**

1 to 9 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

The student will work in a professional communication facility or in a faculty-supervised project of sufficient depth and responsibility. Placement is approved by the program's internship supervisor. Offered every semester.

COMM 368**Communication Responsibilities**

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-200 or COMM-211

This course surveys major ethical problems in communication. The course includes case studies and examinations of issues pertaining to gate keeping, deceptive advertising, rights of privacy, the presentation of violent and sexual content, and concerns raised in a variety of mediated and non-mediated contexts. Offered fall.

COMM 369**Senior Seminar II: Research Applications**

3 Credit Hours

Pre/Corequisite: P (RQ) COMM-324 Senior standing

This course is a continuation of Senior Seminar I: Communication Research. It provides students an opportunity to advance the project under study. Students will work with a faculty member to create and apply the information learned throughout the major. Upon completion, the project will be presented to the Communication's Program faculty for acceptance. Offered spring.

COMPUTER SCIENCE**CMPSC 112****Survey of Computer Science**

3 Credit Hours

This course takes a breadth-first view of the discipline of computer science, focusing on what computers are, how they work, what they can and cannot do, and the impact they have on society. The course focuses on algorithms and how they are expressed through hardware and software. This course is required for all computer science and computer information system majors and minors. Students from other majors may also take the course.

CMPSC 126**Business Programming**

4 Credit Hours

Pre/Corequisite: P (RQ) College Level Math

This course introduces the students to programming for business and finance. Students create programs that use the basic elements of programming: control structures, logical expressions, variables, arrays and file input and output. Students are evaluated on their ability to read and write programs. The course will use contemporary programming language that is used in business, such as Python 3.

CMPSC 132**Understanding User Experience**

3 Credit Hours

Technology companies spend billions of dollars ensuring that their products are intuitive and delight users. This course will teach you how they do that. You will learn what drives product usability, the basics of User Experience (UX) design and research, and how to build wireframes and prototypes. By the end of this course, you will be on your way to building experiences that make customers happy. This online class has optional live sessions.

CMPSC 160**Special Topics: Programming Competition Preparation**

1 Credit Hour

Pre/Corequisite: E (RQ) CMPSC 202

Students will prepare for programming competitions. They will perform practice tests using questions from the previous competitions. They will practice programming skills and teamwork skills. Students should have prior programming experience or be enrolled concurrently in a programming course.

CMPSC 171**Introduction to Games**

3 Credit Hours

Games sit at the intersection of technology, art, and culture, so success within the games industry requires you to understand all three. This course explores why we love games, what role they play in society, and the industry that produces them. You will also learn the basics of game development. This course was developed in partnership with Unity and the IGDA to help everyone interested in the games industry start on the right foot. This online class has optional live sessions.

CMPSC 200**Virtual Worlds**

4 Credit Hours

This course provides an introduction to programming using the Alice system, which provides a programming environment that supports objects, methods, functions, variables, parameters, arrays and events. Students will learn to write stories and storyboards and then drag-and-drop their objects into a 3-D micro world. Alice is provided free at <http://www.alice.org>.

CMPSC 202**Principles of Computer Programming I**

4 Credit Hours

Pre/Corequisite: E (RQ) CMPLB-202 and P (RQ) CMPSC-112 and P (RQ) MATH-112

This is the first programming course in the basic sequence for computer science majors. The course will introduce the student to problem solving, algorithm development and the concept of structured programming using Java. Assignment, selection, control statements, data types, functions and arrays will be studied. The student will design, code and debug a variety of application programs. Emphasis will be on programming techniques, style and documentation. Offered every fall semester.

CMPSC 203**Principles of Computer Programming II**

4 Credit Hours

Pre/Corequisite: E (RQ) CMPLB-203 and P (RQ) CMPSC-202, MATH-200

Building on the techniques developed in CMPSC 202, the student will acquire a deeper understanding of object-oriented programming concepts. Topics include user-defined classes, inheritance, interfaces, recursion, and searching and sorting algorithms. Offered spring.

CMPSC 204**Game Design Theory**

3 Credit Hours

This course introduces students to electronic game design. Students will analyze games of many types and genres. Topics include game mechanisms, prototyping, game theory, and theory of fun. A project will require students to work as a team to design and create a new video game.

CMPSC 206**Web Applications I**

3 Credit Hours

This course teaches basic website creation and maintenance including the defining of a website, the development of pages and the use of text, graphics, hyperlinks, tables, forms, layered objects, frames, multimedia, templates, behaviors, style sheets and other features. As one of the course projects, students establish their own Web presence by developing a personal website.

CMPSC 222**Visual Data**

3 Credit Hours

Pre/Corequisite: P (RQ) College Level Math

Visualization is how humans relate to data, and big data sets are becoming increasingly important for business decisions. This hands-on course teaches students how to find and collect good data, how to access it, and how to create, format and visualize business-related numerical reports using advanced spreadsheet techniques and professional visualization software (such as Tableau).

CMPSC 232**User Experience II: Building Compelling User Experiences**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-132 and CMPSC-206

This course builds upon User Experience I and will teach you how to build effective user experiences through a rigorous process of implementing best practices, testing designs, and iterating. You will also cover topics such as branding, color palettes, user journeys, and designing for multiple platforms. By the end of this course, you will be able to build a mobile app or website prototype and iterate upon it based on user feedback. This online class has optional live sessions.

CMPSC 235**Systems Analysis and Design**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112

This course covers the major aspects of the systems development life cycle. It includes such topics as data collection, cost analysis, file design, input/output design, project documentation, system testing and implementation.

CMPSC 255**Introduction to Networks**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112 or consent of instructor

Former title: Fundamentals of Computer Networking. This is the first course in the Cisco CCNA Routing and Switching curriculum teaching students the architecture, structure, functions and components of the Internet and other computer networks. By the end of this course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

CMPSC 256**Operating Systems for Practitioners**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112

This course introduces the student to hardware and software implementation issues surrounding operating systems. Topics include file, memory, process, device and network management, the user interface and key features and implementations of popular operating systems such as Microsoft Windows, Linux/UNIX and Android. NOTE: Credit for this course will NOT be given to a student who has previously completed CMPSC 301.

CMPSC 260**Topics in Computer Science**

1 to 4 Credit Hours

This course is provided for special topics in computer science of particular interest to faculty or students. Approval for course topic must be given by the Computer Science faculty.

CMPSC 262**Unix Fundamentals**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112

This course serves as an introduction to the foundational principles, concepts, and skills necessary for understanding and working with Unix/Linux operating systems. It introduces students to the main concept of the Unix and Linux operating system and the difference between both. It also examines the full range of Unix and Linux commands and utilities, shell and shell programming, file systems, and other functions and services.

CMPSC 263**Internet of Things**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112

This course acquaints students with the role and the technology underpinning the Internet of Things (IoT). Upon completion of this course, students will possess the requisite

knowledge and skills to construct an IoT system. The curriculum covers various aspects, such as communication of IoT devices and sensors, data collection and storage, cloud computing, and leveraging IoT for the development of economically sustainable smart facilities and cities.

CMPSC 265

Network Security

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-255

Network security is the general principles and practices used for protecting data, devices, and computer networks from any theft, damage, and unauthorized access. Since organizations and individuals heavily rely on networks for effective communication and data storage, it is crucial to have an effective security system in place to ensure the integrity, confidentiality, and availability of network resources. This course introduces students to the threat and vulnerabilities that exist in network environments and teaches them various ways for designing, implementing, and managing effective security measures to protect data, systems and networks.

CMPSC 266

Network Routing and Configuration

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-255

This is the second course in the CCNA Routing and Switching curriculum teaching students how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing.

CMPSC 267

Routing and Switching Protocols

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-266

This is the third course in the CCNA Routing and Switching curriculum, teaching students how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches, and resolve common issues with OSPF, EIGRP, and STP.

CMPSC 268

WAN Technologies

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-267

This is the fourth and final course in the CCNA Routing and Switching curriculum covering the WAN technologies and networks services employed by converged applications in a complex network. By the end of this course, students will be able to configure and troubleshoot network devices and resolve common issues with data link protocols.

CMPSC 270

Independent Study

1 to 3 Credit Hours

CMPSC 271

Content and Systems Design

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112 or CMPSC-171

If you have ever enjoyed the experience of playing a video game, you have had a first-hand lesson in how important content and systems design are. The experience of a game is driven by four major components: content, systems, narrative, and user experience. This class will help you learn to design all four components, and build a deeper understanding of the game development process and an introduction to concepts in scripting. This online class has optional live sessions.

CMPSC 275

Working With Unity

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-200, CMPSC-202, or CMPSC-126

The Unity engine powers nearly 50% of all games and nearly 75% of mobile games. This course, built in collaboration with Unity and the IGDA, will introduce you to developing games in Unity. By the end of the course, you will learn how to build a fully functioning game within the Unity system, including all key elements. This online course has optional live sessions.

CMPSC 281

Introduction to Cyber Security I

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-255

This course provides a management overview of information security and a thorough treatment of the administration of information security. Over the past few years, technology has become a critical part of business operations of all sizes. While the threats to security are well-known, as are the general techniques for protecting information, management has not kept pace. Because so much is at stake, both personally and professionally, through the administration of computer security, this course will provide a necessary background for managing the complexities of that arena. (Formerly Web Security)

CMPSC 282

Introduction to Cybersecurity II

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-281

As technology has become a critical part of business operations of all sizes, there is a big need to learn the most effective and cost-efficient ways to protect information from security threats. This hands-on course examines real-world threats and how to prevent them using ethical hacking techniques in a live lab environment. It focuses on types of attacks, hacking fundamentals, and defenses.

CMPSC 285

Digital Forensics

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-112

This course introduces students to the techniques and tools of computer forensics investigations in civil and criminal venues. Topics include coverage of the latest technologies (including PDAs, cell phones, and thumb drives), civil procedures, criminal procedures, analysis techniques, reporting,

professional responsibility and ethical considerations. Hands-on activities using the most common forensic tools are an integral part of the coursework.

CMPSC 301

Operating Systems

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-345

The basic functions of operating systems have not changed over time; however, the expression of those functions has. This course looks at that critical layer of software and the mechanisms employed to provide a seamless interface between the user and the underlying hardware of the computer device itself. Topics studied include the history and evolution of computer operating systems, basic structure, process management, processor management, file management, memory management, input-output management, multimedia systems, multi-processor systems, and an in-depth look at Linux and Windows operating systems. NOTE: Credit for this course will NOT be given to a student who has previously completed CMPSC 256.

CMPSC 306

WWW Applications II

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-126 or CMPSC-202 and P (RQ) CMPSC-206

This course introduces the student to several languages and software applications that extend the capabilities of basic HTML. Database-driven pages explored in this course include Dynamic HTML, XHTML, XML, VB Scripting and Active Server Pages.

CMPSC 309

Issues in Computing

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-255 and P (RQ) CMPSC-126 OR CMPSC-202

This course examines the social and ethical consequences of widespread computer usage in the context of society's increasing dependence on information and telecommunications technology. A survey of prominent and interesting ethical issues and problems is provided. Students will learn to use the tools of ethical analysis to address these problems and will identify issues of professional responsibility.

CMPSC 311

Data Structures and Algorithms

4 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-203

This course builds on the object-oriented techniques begun in CMPSC 203. Topics include an examination of linked lists, graph representations and algorithms, trees, stacks, queues, and hashing.

CMPSC 321

Relational Database Theory and Design

4 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-126 or CMPSC-202

This course introduces the student to the design and implementation of relational databases. Topics include the

relational model, entity-relationship modeling, normalization, Structured Query Language (SQL), database redesign, privacy and security.

CMPSC 345

Computer Systems and Organization

4 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-202, MATH-200

This course introduces students to the internal architecture of computer systems. The course material addresses the relationships among a computer's hardware components, native instruction set, assembly language, and high-level languages. Basic concepts in computer systems and their effect on the performance of programs are introduced. Assembly language programming exercises are used to explore computer architecture.

CMPSC 350

Internship

1 to 12 Credit Hours

The internship opportunity is reserved for students who are employed in positions that involve computer science or information systems knowledge and skills. We provide this opportunity to encourage students to gain practical, real-world experience that can enhance their understanding of the discipline and their potential as computer professionals. The student must apply for the academic credit at the time the internship takes place. See Division director for internship guidelines.

CMPSC 351

Algorithm Analysis and Design

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-200, CMPSC-203

This course provides an introduction to different design and analysis approaches of computer algorithms. These include searching, sorting and graph algorithms. Analytic approaches including proof of correctness and calculations of time and memory complexity are covered. The concept of distributed algorithms is introduced and compared to centralized algorithms.

CMPSC 360

Advanced Topics in Computer Science

1 to 4 Credit Hours

This course provides students with an opportunity to study in detail one specific topic or area in computer science. The specific topic presented can be an area of particular interest to faculty or students, but must receive approval of the program. Possible topics include video game development, distributed systems, queuing theory, artificial intelligence and parallel processing.

CMPSC 370

Independent Study

1 to 4 Credit Hours

Individual study projects for advanced students in computer science. Topic to be determined by instructor and student.

CMPSC 372**C# Programming**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-203

C# is a modern, general purpose, object-oriented programming language with a range of uses, most notably creating desktop applications, web applications, web services and building games using the Unity engine. This course is intended to give students a working knowledge of the C# programming language and the .NET framework, as well as an understanding of C#'s application to the Unity Game Development Engine. This online course has optional live sessions.

CMPSC 375**Unity II: Advanced Unity Programming**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-275 and CMPSC-372

This course is intended to provide students with the skills and knowledge to bring their mastery of the Unity game engine and C# programming up to a professional standard. Students will learn how to perform a range of vital code-based tasks within the Unity platform, and will grow their skills in building core gameplay functionality, supporting systems and platform-specific optimizations. This course was built in collaboration with Unity. Upon successful completion, students will be prepared to sit for the Unity Certified Associate: Programmer Exam. This online course has optional live sessions.

CMPSC 390**Software Engineering**

4 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-311, CMPSC-321

This course addresses the foundations, methodologies, and tools for developing high-quality large-scale software systems, with an emphasis on the technical issues of software development. Students in this course work in groups to design and implement real-world projects for clients such as non-profit organizations and other community groups. Since some of these activities may occur off campus, students should be prepared to travel to the client site. NOTE: Requires participation in community-based activities, some of which may occur off campus.

CMPSC 393**Goal-Oriented Web Design**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-232 and CMPSC-306

One of the main goals of a company's website is to improve its bottom line. In this course you will propose and build a new website for an existing company. This website should be optimized to boost conversion events for the company in question. In doing so, you will need to research customer behavior and industry trends in order to successfully generate leads and sales. This course will test all of the skills built up through the Web Design major - design, prototyping, optimization, and programming. This online class has optional live sessions.

CMPSC 395**Computer Information Systems Capstone Course**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-255 and P (RQ) CMPSC-126 or CMPSC-202

This is the capstone course for the computer information systems major. Students will first study and then create a professional report on one of the most recent developments in the field. The report and presentation are expected to showcase senior level skills and knowledge. Special attention will be given to career strategies and preparation for the job search.

CMPSC 397**Capstone Project: Building a Game**

3 Credit Hours

Pre/Corequisite: P (RQ) CMPSC-271 and CMPSC-372

This course is intended as a culmination of all a student's work in the game development concentration. Students will work in groups to build a game in the unity engine that uses real-time 2D or 3D visuals and showcases their understanding of the core principles of game design. Students will pitch their game, design, prototype, build and test their game. Students will be evaluated based on the quality of their game, and their internal project management processes. This online course has optional live sessions.

CRIMINAL JUSTICE**CJ 101****Introduction to Criminal Justice**

3 Credit Hours

The course reviews the historical and philosophical background of the U.S. criminal justice system and its three major components: police, courts and corrections. Attention is focused on topics such as the Constitution's impact on modern criminal justice and a comparative analysis of criminal justice systems in selected foreign nations. The course also critically evaluates local, state and federal law enforcement agencies and surveys theories of criminal behavior.

CJ 201**Law Enforcement and Society**

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

The course will examine the social and historical origins of various police systems; police culture; role and career; police in the legal system; social and legal restraints on police practices; police discretion in practice; police and the community; police organization and community control mechanisms. Offered spring.

CJ 202**Introduction to Corrections**

3 Credit Hours

Pre/Corequisite: E (RQ) CJ-101

This course offers an overview of the history and philosophical foundations of the American correctional system. Emphasis is placed on how the theories of retribution, deterrence, incapacitation, and rehabilitation affect current issues such as

overcrowding, social control in prison, legal rights of prisoners and alternatives to incarceration. Offered fall.

CJ 210

Criminal Law

3 Credit Hours

This course examines the historical evolution of criminal law in the U.S. Through in-depth analysis of key state and federal court decisions, the course provides analysis of the purposes, constitutionality and application of criminal law. It also compares U.S. criminal laws to laws in select foreign jurisdictions. Offered fall.

CJ 214

Law, Courts, and Justice

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

The course offers an examination of the role of the judiciary, current issues in law and the legal profession in the United States. Among the topics covered are those which analyze connections between ethics, social change and the application of law. This course is strongly recommended for students considering a career in law. Offered spring.

CJ 216

Crime and the Media

3 Credit Hours

The course offers an examination of the intersection of news media and the criminal justice system. Topics covered include moral panics, framing, narratives and the evolution of media, including social media. The course also gives an overview of the representation of the criminal justice system in entertainment media, including music, documentary, television and film. Students are required to have access to a streaming platform such as Netflix.

CJ 228

Latinos and the Criminal Justice System

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

This course examines the relationship between Latinos/as and the criminal justice system. Specifically, the course explores what distinguishes Latinos/as from other racial and ethnic groups in the criminal justice system, and what sociological/criminological theories can help us understand the causes of these differences and inequalities. The course considers key variables such as historical context, ethnic and race relations, and current criminal justice policy regarding Latinos/as in the United States. Offered as needed.

CJ 245

Race, Class, Gender and the Criminal Justice System

3 Credit Hours

The objective of this course is to examine the relationship between race, class, gender and the criminal justice system. Throughout the course, students will examine the multiple and intersecting ways these concepts shape the criminal justice process. Specifically, how do these socially constructed axioms influence a variety of institutional contexts such as law enforcement, courts and corrections? The goal is to provide students with knowledge and understanding of the criminal

justice system from the position of under-represented groups in America. The course will examine key variables such as historical and community context, ethnic and race relations, and current criminal justice policy. Offered as needed.

CJ 280

Serial Killers

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

This course introduces students to the scientific study of serial killers. Despite the fascination with serial killers in popular media, these sensationalized stories provide little insight into the realities of these horrific crimes. Focusing on empirical research and case studies, this course provides a scholarly perspective. Topics in typologies of serial murder, prevalence of serial murder, female serial murders, and victims of serial murder.

CJ 283

Gangs and Society

3 Credit Hours

In this course the historical evolution and social roots of gangs and street gangs in modern U.S. society are explored, along with their growth, recruitment and organization. Criminological theories are used to assess gang structure, characteristics and activities. Additionally, the relationships of gangs to each other, to crime and violence, to the law, and to the community are also explored. Offered as needed.

CJ 294

Research Methods and Design

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101, MATH-135, junior standing

This course examines the fundamental principles and tools of social science research. Students will develop a basic literacy enabling them to design social science research studies, explore the merits and limits of various research strategies and tools of analysis, and comprehend the basics of qualitative and quantitative research methods. Students will also identify ethical considerations important to social science research, describe the main elements of a social science research study, and define important platforms used to disseminate research findings. Offered fall. Formerly Research Methods and Design.

CJ 302

Organized Crime

3 Credit Hours

The course provides an overview of organized crime in the U.S. beginning with definitions of the phenomenon and analysis of the history of organized crime, including ethnic patterns and cross-cultural comparisons. Students will also consider the competing explanations for organized crime in the U.S., policy issues, and techniques used to combat organized crime. Offered as needed.

CJ 303

Police Administration

3 Credit Hours

This course reviews the evolution of police organizational theory, management, planning and leadership skills. This course also addresses issues concerned with stress and police

personnel, labor relations, state civil liability, and civil rights liability under 42 U.S.C. Sect. 1983. Offered spring.

CJ 306

Special Topics

3 Credit Hours

This course will focus on studies from a variety of perspectives on issues of justice and society.

CJ 307

Juvenile Justice and Delinquency

3 Credit Hours

This course considers the problem of delinquency in culture and its relation to conventional culture. Students will examine the introduction to delinquent lifestyles and the relationship to adult criminal behavior. Offered as needed.

CJ 311

Probation and Parole

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

This course provides an overview of the history and philosophical foundations of probation and parole in the United States. Criminological theories concerned with probation and parole supervision are considered. Laws and court decisions relating to probation and parole are assessed and current issues and problems in probation and parole are explored. Offered fall.

CJ 312

Criminology

3 Credit Hours

Pre/Corequisite: P (RQ) 6 credit hours in criminal justice and P (RQ) CJ-101

This course is an examination of the major theories of deviance, crime and criminal behavior from a variety of disciplines: biology, psychology, sociology, philosophy, economics, gender and women's studies etc. Student will apply knowledge and understanding of theories to real-world crime and criminals. Offered spring.

CJ 316

Victimology

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

This course will review victimology as an evolving discipline. It will examine the elements of this new field, including the development of the discipline, the economic and other costs of crime to victims, the use of victimization surveys, services and programs for victims and the implications of the victim-offender system on the criminal justice process, as well as the societal response to, and description of, victims.

CJ 317

Violence Against Women and Girls

3 Credit Hours

Studies the various forms of violence for which females are victimized at significantly higher rates. Students will examine (a) the theories related to female victimization, (b) the impact of stereotypes and myths on societal perceptions of female victimization, (c) the criminal justice system response to female

victims and (d) the impact of victimization on the victims themselves and on females in general.

CJ 318

Globalization and Crime

3 Credit Hours

This course examines criminal justice systems and crime from a comparative perspective. Utilizing historical, legal, jurisprudential approaches, this course examines how economic global dependencies create opportunities for crime and how travel, communication, and other technologies facilitate its occurrence. The course examines topics such as gun trafficking, human trafficking, drug trafficking, cyber-crime, maritime piracy and counterfeiting. The course also explores international responses to global crime. Offered as needed.

CJ 320

Ethics in Criminal Justice

3 Credit Hours

Ethical and moral decision making is an important dilemma that students who enter the criminal justice field will face during their careers. The purpose of this course will be to provide students with an understanding of ethics and justice as well as provide them opportunities to discuss ethical decision-making and the implications of such decision-making. Offered fall.

CJ 321

21st Century Policing

3 Credit Hours

This course examines the history and development of police community relations in the United States and its importance for crime control. Topics covered in this course include community policing, problem-oriented policing, and the effects of aggressive patrol strategies on community relations. The recommendations of the President's Task Force on 21st Century Policing are also examined. Offered spring.

CJ 328

African Americans and the Criminal Justice System

3 Credit Hours

The course African Americans and the Criminal Justice System explores the interrelationship between race and involvement with the criminal justice system. This course will explore one of the most sensitive questions facing Americans today: Why are African Americans grossly over-represented in the American criminal system? The explanations for the disparities that haunt the criminal justice system are nuanced and complex, and therefore deserving of careful study. Absorbing lessons from a wide variety of disciplines, including history, sociology, political science, economics, psychology, and law, "African Americans and the Criminal Justice System" will examine this vexing American problem. Students will also examine how the criminal justice system intersects with other systems of social control, like the welfare state and foster care. This course approaches the topic with an intersectional lens in which race, gender, class, and sexuality are all analyzed as integral parts of the social construction of "criminality."

CJ 336

Criminal Investigation

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

This course examines the historical evolution of techniques used in criminal investigation. Topics covered include crime scene activities, chain of evidence, interviewing and interrogation, records and intelligence, undercover operations, computerized crime analysis, and the use of informants. Offered summer.

CJ 337

Criminalistics

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

This course is designed to acquaint the student with the capabilities and limitations of the criminalistics laboratory. While reviewing the application of natural sciences to the problems encountered in the examination of evidence, students assess the quality and effectiveness of scientific theories in their application. Offered as needed.

CJ 338

Drugs and the Criminal Justice System

3 Credit Hours

This course provides a comprehensive examination of the issue of drug abuse. While focusing on the history, causes, and treatment of drug abuse, it also assesses varied drug policies, drug trafficking, drug law enforcement, and the drug legalization movement. Offered as needed.

CJ 345

Jurisprudence and Gender

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101

The Rule of Law is meant to establish a system of rules founded on principles rather than personalities. In this course students examine a system that is gendered, built on the story of men's lives. Analysis will take students through at least three major strains of legal argument that begin with different assumptions and lead to different policy outcomes but all of which are guided by a notion of gender equality.

CJ 366

Internships

3 to 9 Credit Hours

The student will spend a specified number of hours working in a criminal justice agency, reporting regularly to an assigned academic supervisor and completing academic assignments appropriate to his/her type of work. All field placements must be approved in advance by the course instructor. Needs Program approval. Junior standing.

CJ 367

Individual Research

3 Credit Hours

In this course the student conducts field and/or library research and then prepares and completes a research proposal under the direction of a specific faculty member. No classes; meetings with faculty member as required.

CJ 368

Senior Seminar

3 Credit Hours

Pre/Corequisite: P (RQ) CJ-101 CJ-294 Junior standing and P (RQ) Complete 100 level MATH course

This course entails researching a major topic in criminal justice and providing a significant written assessment of the results of that research. Building on students' prior work on criminal justice history and practice as well as criminological theories, the course reexamines fundamental questions concerning the social construction of crime and the policing of society. Specific research topics will be assigned by the instructor to each student. NOTE: This course is ONLY open to criminal justice majors.

CJ 390

Independent Study

3 Credit Hours

With the approval and under the guidance of an assigned faculty member, students in this course engage in readings and research on a specific criminal justice topic.

ECONOMICS

ECON 202

Principle of Economics

3 Credit Hours

Pre/Corequisite: P (RQ) Math-132 or Math-135 or High School weighted GPA of 3.5 or higher

This course provides students with an understanding of how to apply micro and macroeconomic analysis to corporate decision making. The course emphasizes the understanding of supply and demand, the cost of production, and market structure. Additionally, students learn the economic concepts such as the operating of a principles of national economy, analysis of gross domestic product accounts, national income, determination levels of employment (or unemployment) and inflation, taxation and government expenditures, monetary and fiscal policy, and the basics of international trade and finance.

EDUCATION

EDU 110

Introduction to Educational Technology

2 Credit Hours

For this course candidates will become familiar with various educational technologies and strategies for effectively integrating them into instructional delivery. This course will examine specific examples of how teachers can integrate a variety of technologies to enhance instruction and engage students more fully in learning activities. Educational technology will be addressed as a fundamental part of teaching and learning that offers students a variety of creative and inquiry-based learning experiences.

EDUL 110

Introduction to Educational Technology Lab

1 Credit Hour

Pre/Corequisite: C (RQ) EDU-110

In this one-credit lab course in educational technology, students design and develop a technology-related project

aimed at enhancing learning experiences. Through hands-on experimentation and guided exploration, participants engage in iterative design processes to create innovative solutions for educational settings.

EDU 200

Introduction to The Profession of Teaching

3 Credit Hours

Pre/Corequisite: E (RQ) EDUL-200

*Level 1 Professional Education Course for Secondary Majors. *Level 2 Professional Education Course for Elementary Education and Middle Level Majors. This course is an introduction to the professional, ethical, and moral responsibilities of teachers, and to the teacher education program at Saint Xavier University. Students will be introduced to a variety of professional standards and will focus their attention on the development of their own professional dispositions. Critical issues in education, such as diversity, curriculum development, state and federal mandates and legal issues will be addressed. Students will utilize technology to access course requirements (CANVAS).

EDUL 200

Education Orientation

0 Credit Hours

Pre/Corequisite: E (RQ) EDU-200

Formerly titled "Orientation to the Education Department". This online course is designed to introduce teacher candidates to a number of important Education Program policies and procedures they will need to know and understand as they prepare to become a professional educator. Each module in this online course will introduce teacher candidates to an important policy/procedure and the related tasks they will need to complete to move forward in education programs leading to Illinois licensure.

EDU 202

Educational Psychology

3 Credit Hours

*Level 1 Professional Education Course. This course consists of both classroom and field experiences. The course examines the nature of human knowledge, psychological theories of learning and factors influencing it, stages of human development and the growth of the mind, and the use of psychology in the classroom. Methods of research in educational psychology are also introduced in this course. 5 field hours are required.

EDU 205

Child Growth and Development

3 Credit Hours

*Level 1 Professional Education Course. This course focuses on the study of theories of development that include the physical, psychosocial, cognitive and moral development of the individual from infancy through adolescence. Application of these theories as they relate to the child's formal and informal school experiences is examined. 5 field hours are required.

EDU 209

Literature for Children and Adolescents

3 Credit Hours

*Level 1 Professional Education Course. This survey course is focused on literature appropriate to students across all grade ranges; a variety of genres and formats are explored. The emphasis is on literature that reflects the culture and heritage of America's multicultural and diverse population. The course includes the evaluation and selection of developmentally appropriate literature, critical analysis, methods of presenting literature, and uses of literature throughout the curriculum.

EDU 211

Infants and Toddlers: Environments, Programs and Activities

2 Credit Hours

Pre/Corequisite: E (RQ) EDUL-212

This course focuses on creating responsive environments that support the social, emotional, physical, and cognitive development of children aged birth to three. Environmental designs and the adult's role in facilitating play that fosters the development of language and literacy, creative expression, and mathematical and scientific thinking. Family-school partnerships, attachment theory, health, and safety are discussed as vital to early care and education.

EDUL 211

Sophomore II FE Block

1 Credit Hour

*Level 1 Professional Education Course. The Sophomore II field experience block is designed to provide opportunities for candidates to apply course concepts in real environments. The Sophomore II field experiences relate to current professional education coursework, social-emotional learning standards as well as national, state, and institutional standards. Required activities and assignments provide candidates with the opportunity to connect theory and practice and prepare candidates for daily classroom responsibilities. Offered spring. 45 field experience hours are required for successful completion of the course.

EDU 212

Foundations of Early Childhood

2 Credit Hours

Pre/Corequisite: E (RQ) EDUL-212

This course focuses on the historical, philosophical, and social foundations of early childhood education. Theories of child development and learning are discussed. Candidates study various models and explore research-based practices for designing, organizing, and implementing developmentally appropriate and culturally sensitive experiences for children age birth - Grade 2 in inclusive settings.

EDUL 212

Infant/Toddler Field Experience

1 Credit Hour

Pre/Corequisite: C (RQ) EDU-211 EDU-212

Formerly Sophomore II FE Block. The infant/toddler field experience block is designed to provide opportunities for candidates to apply course concepts in real infant/toddler environments. The field experiences relate to current

professional education coursework, as well as national, state, and institutional standards. Required activities and assignments provide candidates with the opportunity to connect theory and practice and prepare candidates for daily classroom responsibilities. 20 field experience hours are required for successful completion of the course.

EDU 213**Introduction to Early Childhood edTPA**

1 Credit Hour

Candidates will complete practice exercises for Task 1, Planning Instruction and Assessment; Task 2, Instructing and Engaging children in Learning; and Task 3, Assessing Children's Learning. Practice activities will include responding to prompts that use key edTPA vocabulary and reflecting on edTPA requirements and rubrics.

EDU 221**Junior I FE Block**

1 Credit Hour

*Level 2 Professional Education Course. Supervised field experiences are an integral part of the Elementary Education candidate's apprenticeship experience. The Junior I field experience block is designed to provide opportunities for candidates to apply course concepts in real environments. The Junior I field experiences relate to current professional education coursework, as well as national, state and institutional standards. Required activities and assignments provide candidates with the opportunity to connect theory and practice and prepare candidates for daily classroom responsibilities. Offered fall. 45 field experience hours are required for successful completion of the course.

EDU 222**PreK Field Experience**

1 Credit Hour

Pre/Corequisite: C (RQ) EDU-252 EDU-253 EDU-254
Formerly Junior I Field Experience Block 1. The PreK field experience block is designed to provide opportunities for candidates to apply course concepts in real PreK environments. The field experiences relate to current professional education coursework, as well as national, state, and institutional standards. Required activities and assignments provide candidates with the opportunity to connect theory and practice and prepare candidates for daily classroom responsibilities. 45 field experience hours are required for successful completion of the course.

EDU 231**Junior II FE Block**

1 Credit Hour

*Level 2 Professional Education Course. Supervised field experiences are an integral part of the Elementary Education candidate's apprentice experience. The Junior II field experience block is designed to provide opportunities for candidates to apply course concepts in real environments. The Junior II field experiences relate to current professional education coursework, as well as national, state and institutional standards. Required activities and assignments provide candidates with the opportunity to connect theory and practice and prepare candidates for daily classroom

responsibilities. Offered spring. 45 field experience hours are required for successful completion of the course.

EDUL 232**Primary Field Experience**

1 Credit Hour

Pre/Corequisite: C (RQ) EDU-303 EDU-304 EDU-305 EDU-306

Formerly Junior II Field Experience Block I. The primary field experience block is designed to provide opportunities for candidates to apply course concepts in real kindergarten to grade 2 environments. The field experiences relate to current professional education coursework, as well as national, state, and institutional standards. Required activities and assignments provide candidates with the opportunity to connect theory and practice and prepare candidates for daily classroom responsibilities. 45 field experience hours are required for successful completion of the course.

EDU 242**Using Student Achievement Data to Support Instructional Decision Making**

3 Credit Hours

This course will provide teacher candidates with an understanding of how to use data to inform instruction and enhance learning for diverse student populations. Teacher candidates will participate in activities that will enhance knowledge of assessment task development, analysis and interpretation of results. Documenting student performance and progress both for instructional and accountability purposes will be emphasized. Candidates will become familiar with quantitative and qualitative concepts and practices used to evaluate student learning in the classroom. They will learn how to communicate assessment results to their learners.

EDU 243**Principles and Methods of Teaching Science, Health and PE in the Elementary School**

2 Credit Hours

This course focuses on developing instructional strategies and assessments for teaching science content, modeling science literacy, and employing inquiry-based, interactive learning in a technology-rich environment. A broad range of science, health and physical education content will be explored based on the Illinois Content Area Standards.

EDU 244**Principles and Methods of Teaching Social Science and the Arts in the Elementary School**

2 Credit Hours

This course is designed to introduce content and methods for teaching Social Studies and incorporating the Arts in the elementary classroom. Topics include social science/performing/visual arts theory, lesson planning, interdisciplinary instruction, assessment and a broad overview of content and standards included in the elementary social studies/arts curriculum. The primary focus is the development of a personal philosophy of teaching elementary social studies, along with the integration of the arts in the classroom. Offered spring.

EDU 252**Inquiry and Play in Early Childhood Education**

3 Credit Hours

Pre/Corequisite: E (RQ) EDUL-222

This course focuses on the centrality of inquiry and play in children's learning. Integrated and developmentally appropriate experiences that support children's construction of knowledge and interpersonal relationships are stressed. Candidates explore multiple ways to observe and document learning experiences to support reflective teaching and the development of children's critical thinking skills.

EDU 253**Integrated Curriculum and Methods in Early Childhood**

4 Credit Hours

Pre/Corequisite: C (RQ) EDUL-222

This course is focused on the curriculum, methods, materials, and technological resources for the integrated teaching of mathematics, science, social studies, literacy, and fine arts to young children in diverse and inclusive settings. Candidates explore an integrated approach to multimodal, active learning and design learning experiences that develop children's inquiry, symbolic representation, and problem-solving skills. Play, creativity, integration of technology, and physical and interpersonal environment are discussed. Candidates plan, assess, adapt, and reflect on learning experiences.

EDU 254**Emergent Literacy and Language Development**

3 Credit Hours

Pre/Corequisite: E (RQ) EDUL-222

This course discusses language and literacy development in young children. Verbal and non-verbal language acquisition in children are examined. Emphasis is on phonemic awareness, phonics, fluency, vocabulary, and comprehension. Instructional strategies, technology use, and varied learning materials to promote language and literacy development in inter-disciplinary contexts, with attention to the interrelated processes of listening, speaking, reading, and writing are emphasized.

EDU 282**Reading Informational Text in the Content Areas**

3 Credit Hours

*Level 1 Professional Education Course. This course will explore research-based strategies to support K-8 students as they engage with informational text. Topics will include, but are not limited to, research-based strategies for reading expository texts, developing oral communication skills, and building academic vocabulary. Offered spring.

EDU 303**Foundations and Methods of Teaching Literacy K-2**

3 Credit Hours

Pre/Corequisite: E (RQ) EDUL-232

This course focuses on literacy methods and applications in K-2 classrooms. Candidates use research-based literacy strategies for teaching phonemic awareness, phonics, fluency, vocabulary, and comprehension. Candidates use a variety of texts that support students' reading, writing, speaking, and listening. The Common Core Standards for English Language Arts are explored. An emphasis will be placed on holistic

learning, the inter-relatedness of curricular areas, educational technologies, and the developmental appropriateness of integrating teaching and learning in grades kindergarten through second.

EDU 304**Foundations, Curriculum and Methods of Teaching Math K-2**

3 Credit Hours

Pre/Corequisite: E (RQ) EDUL-232

This course examines the content and methods of teaching mathematics in diverse and inclusive settings, preparing teacher candidates to develop children's ability to approach and solve problems in number concepts, geometry, probability and measurement. State standards for K-2 math will be explored. An emphasis will be placed on the interrelatedness of curricular areas and the use of multimodal strategies and educational technologies that support engaged learning activities in mathematics.

EDU 305**Foundations and Methods of Teaching Science K-2**

2 Credit Hours

Pre/Corequisite: E (RQ) EDUL-232

This course prepares teacher candidates to teach science in diverse and inclusive settings and explores the dimensions in the Next Generation Science Standards (NGSS). Candidates plan learning activities where children learn to think, discuss, and inquire about topics in the discipline. An emphasis will be placed on active and multimodal learning, the inter-relatedness of curricular areas, educational technologies, and assessment using developmentally appropriate strategies.

EDU 306**Foundations and Methods of Teaching Social Science K-2**

2 Credit Hours

Pre/Corequisite: E (RQ) EDUL-232

This course prepares teacher candidates to teach social science in diverse and inclusive settings guided by the state social science standards. Candidates design learning activities where children learn to think, discuss, and inquire about topics in the discipline. An emphasis will be placed on multisensory experiences, nonfiction literacy, educational technologies, and assessment using developmentally appropriate strategies.

EDU 307**Methods of Teaching Young Children with Disabilities**

2 Credit Hours

This course provides an overview of early childhood special education history and philosophy, reflected in current practices, curriculum development, materials selection, assistive technology use, adapted assessment, and intervention planning in the context of collaborative services to young children with disabilities.

EDU 309**Child, Family and Multicultural Community**

2 Credit Hours

Family and community contexts surrounding young children, as well as legal, religious, and political institutions that affect families and children are explored. Supportive relationships

with families of young children with and without special needs, are emphasized. Family-centered services for diverse families are explored. Ethics in early childhood education, health and safety, and mandated reporting are discussed. Students engage in service-learning.

EDU 311**Assessment of Typically and Atypically Developing Young Children**

2 Credit Hours

This course introduces students to developmental assessment of typically and atypically developing children aged birth to 8, in the context of developmentally appropriate practice. The ethical use of assessment data to plan instruction, monitor children's progress on developmental and curricular goals, measure achievement, and gauge children's engagement in learning are stressed. Candidates practice administering various early childhood assessments and reporting results.

EDU 318**Foundations and Methods of Literacy and Language Arts**

3 Credit Hours

Investigation of theory, research and practice related to the teaching and learning of reading and the language arts. Incorporates the study of language and literacy development; reading and writing processes; principles, methods and materials of literacy instruction including phonemic awareness, phonics, vocabulary, fluency, and comprehension. This course also explores proficient reader research, research-based resources, and classroom management systems to support differentiated literacy instruction in grades K-8.

EDU 323**Survey of Students with Exceptionalities**

3 Credit Hours

*Level 1 Professional Education Course. This course explores the characteristics and learning needs as well as effective methods for teaching, assessing, and accommodating students with disabilities and other learning differences. The responsibilities of teachers and related service providers under federal legislation are emphasized. Learners with disabilities include learners with intellectual, sensory, health, and physical disabilities; learning and emotional disabilities; and communication and behavioral disabilities. Learners with learning differences include those who are English Language Learners or dialectical English speakers, those who are gifted, and those with specific risk factors. This course meets the requirement for Illinois House Bill 150. 5 clinical hours. 5 field experience hours are required for successful completion of this course.

EDU 336**Methods of Teaching Mathematics in the Elementary School**

3 Credit Hours

Former name of EDU 336: Methods of Teaching Mathematics in the Elementary School *Level 2 Professional Education Course. This lab course focuses on the analysis of children's construction of mathematical knowledge and on mathematics as a meaningful activity. The use of word problems and manipulatives to aid in the understanding of operations on

whole numbers, fractions, decimals and percent is stressed.

Methods of teaching proportions, ratios, measurement, geometry and statistics for grades K-8 will be undertaken.

Clinical component: Each candidate attends one full school day at a community-based school site for 15 weeks. Offered fall.

EDU 339**Managing the Elementary Classroom: Behavior Management and Instructional Planning**

3 Credit Hours

*Level 2 Professional Education Course. This course presents best practices in classroom and behavior management -- from organizing time, materials, and classroom space to strategies for managing individual and large group student behaviors, transitions, and other arrangements for general education classrooms. In addition, teacher candidates will be introduced to effective development and design of instructional plans and units. Topics will include, but are not limited to: Classroom Management, Classroom Organization, Behavior Management, Response to Intervention, Problem Based Interventions & Supports (PBIS), Common Core State Standards, Understanding by Design (UbD) and research-based instructional strategies. Offered fall.

EDU 343**Assessment and Diagnosis of Reading Problems**

3 Credit Hours

This course will focus on the study of the combined procedures of assessment, evaluation, and instruction. Topics will target the development and implementation of methods materials, and assessments to enable the classroom teacher to adapt instruction to the needs of small groups and individual students. This course is designed to enable teacher candidates to use sound theoretical, philosophical, and knowledge-based approaches to the diagnosis and instruction for struggling readers, employing the guidelines and standards of the International Literacy Association.

EDU 345**Seminar in Teaching and Learning**

3 Credit Hours

*Level 3 Professional Education Course. This course is designed for education student teachers and includes a structured teaching performance assessment (edTPA) in the directed teaching site. The course supports teacher candidates in the design and implementation of the 3 edTPA tasks: Planning for Instruction, Instructing and Engaging Students in Learning, and Assessing Student Learning. * [edTPA has been waived by ISBE until Spring 2024] Additional topics may include, but are not limited to the Co-Teaching model, resume writing, refining the professional portfolio, licensure, and teacher evaluation models. Prerequisite: Successful completion of required sequence of education courses and related supervised field experiences. Corequisite: Enrollment in Student Teaching.

EDU 346**ESL Bilingual Education Observation Hours**

1 Credit Hour

Pre/Corequisite: C (RQ) EDU-345

This course is the field experience component of the ESL or Bilingual Education endorsement. Topics include observation, analysis of interactions and instruction of students in ESL and Bilingual Education classroom settings to support theory presented in university classroom component. 100 hours.

EDU 348**Student Teaching-Early Childhood Education**

9 Credit Hours

Pre/Corequisite: C (RQ) EDU-345

*Level 3 Professional Education Course. This course is a program of guided observation, participation and teaching in a classroom setting, jointly supervised by a teacher from the University and a mentor teacher from the host school site. The student teacher spends the whole school day in the field for 16 weeks. Prerequisite: Successful completion of required sequence of education courses and related field experiences.

EDU 349**Student Teaching Middle and Secondary**

9 Credit Hours

Pre/Corequisite: C (RQ) EDU-345

*Level 3 Professional Education Course. This course is a program of guided observation, participation and teaching in a classroom setting, jointly supervised by a teacher from the University and a mentor teacher from the host school site in the 6-8 or 9-12 classrooms. The student teacher spends the whole school day in the assigned 6-8 or 9-12 school setting for 16 weeks. Prerequisite: Successful completion of required sequence of education courses and related supervised field experiences.

EDU 350**Student Teaching Elementary**

9 Credit Hours

Pre/Corequisite: C (RQ) EDU-394

*Level 3 Professional Education Course. This course is a program of guided observation, participation, and teaching in a classroom setting, jointly supervised by a teacher from the University and a mentor teacher from the host school site in the grade 1-6 classrooms. The student teacher spends the whole day in the assigned 1-6 school setting for 16 weeks, either co-teaching or taking on full teaching responsibility. Prerequisite: Successful completion of required sequence of education courses and related field experiences. Offered spring.

EDU 352**Student Teaching (K-12) Education**

9 Credit Hours

*Level 3 Professional Education Course. This course is a program of guided observation, participation and teaching in a classroom setting, jointly supervised by a University Supervisor and a mentor teacher from the host school site. The student teacher spends the whole school day in the assigned school setting for 16 weeks. Prerequisite: Successful completion of required sequence of education courses and related field experiences.

EDU 361**Methods of Teaching Young Children with Disabilities**

3 Credit Hours

*Level 2 Professional Education Course. This course provides an overview of early childhood special education history and philosophy, reflected in current practices, curriculum development, materials selection, assistive technology use, adapted assessment, intervention planning and lesson planning in the context of collaborative services to young children with disabilities. 10 field experience hours are required for successful completion of this course.

EDU 363**Theoretical Foundations of Teaching ESL and Bilingual Education**

3 Credit Hours

This course is designed to introduce students to an understanding of the historical, philosophical, socioeconomic and educational issues that have led to the formation of ESL and bilingual education policies, programs and services for culturally diverse populations. Theories of language learning and acquisition as they pertain to ESL and bilingual education are included. This course fulfills a requirement in the Latino/Latin Studies Program. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered fall.

EDU 364**Methods and Materials Teaching ESL**

3 Credit Hours

In this course students learn and practice a variety of methods of teaching English as a Second Language, as well as the nature of second language acquisition. Methods of teaching, listening, speaking, reading and writing are presented, with a focus on creating comprehensible input. Students will become familiar with methods of sheltered instruction, including SIOP, CALLA and TRP. Students select and critically analyze culturally and linguistically appropriate materials for ESL and are placed in supervised ESL classrooms for clinical experience. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered spring.

EDU 365**Cross Cultural Studies in a Bilingual Program**

3 Credit Hours

This course focuses on teaching children from multilingual, multicultural backgrounds within the context of societal issues related to poverty, discrimination, racism and sexism. Learning and communication styles and the impact of teacher expectations on student achievement are examined. Effective utilization of home and community resources are explored. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered fall.

EDU 366**Methods and Materials of Teaching English in a Bilingual Program**

3 Credit Hours

This course includes analysis and evaluation of a variety of program models and methodologies for teaching bilingual students, including dual language, integrative and transitional programs. Methods and materials for integrating the English language arts into the teaching of content areas are reviewed and employed. The course introduces techniques for managing a multi-level class and presents curricular development techniques for programs that assist students who are learning English in a bilingual educational setting. The course includes a focus on integrating the fine arts in the bilingual classroom as well as engaging multilingual/multicultural families and communities with schools. A supervised clinical experience in a bilingual classroom is provided. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered spring.

EDU 367**Linguistics for Educators**

3 Credit Hours

This course is an introduction to contemporary theories of language structure, phonology, morphology, syntax and semantics. It also concentrates on applied linguistics relevant to the Pre-K-12 classroom. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered summer.

EDU 368**Assessment of Bilingual Students**

3 Credit Hours

This course examines the theoretical and practical study of instruments and procedures for testing bilingual students. Formal and informal methods used to evaluate and assess language skills and academic proficiency are examined. Issues of non-discriminatory testing are addressed. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered summer.

EDU 369**Teaching English as a Second/Foreign Language to Adults and Children**

3 Credit Hours

This course focuses on teaching English to adults and children in foreign and/or informal school settings. This course will develop candidates' understandings of and skills in the methods and materials of Teaching English to Speakers of Other Languages, intercultural competencies, language structure and teaching practice in supervised settings. 40 field experience hours are required for successful completion of this course. Offered fall.

EDU 370**Principles and Practices of the Middle and Secondary Schools**

3 Credit Hours

Pre/Corequisite: P (RQ) EDU-202 or consent of the instructor

*Level 2 Professional Education Course. This course focuses on establishing a learning environment in the classroom. It

examines methods of establishing objectives and developing learning experiences, the setting of limits on behavior, group dynamics, research-based instructional methods and the use of community resources. 30 field experience hours are required for successful completion of this course.

EDU 371**Methods of Teaching Art in the K-12 Schools**

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370

Level 2 Professional Education Course. Formerly Methods of Teaching Art in the Middle and Secondary School. This course focuses on theoretical and applied investigation of practical and creative aspects of teaching art. Through classroom and field experiences, students will explore and discuss major visual art educational concepts and techniques including curriculum development and presentation of visual art lessons. Course also includes field trips to a variety of schools where different teaching modes can be examined. 30 field experience hours are required for successful completion of this course. Offered fall.

EDU 372**Methods of Teaching Biology and Science in the Middle and Secondary School**

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370

*Level 2 Professional Education Course. Formerly Methods of Teaching Biology in the Middle and Secondary School. This course covers the principles, methods and materials of teaching biology at the middle school and secondary level. Additionally, this course covers general science methods for middle level teaching. 30 field experience hours are required for successful completion of this course. Offered fall.

EDU 373**Methods of Teaching English in the Middle and Secondary School**

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370

*Level 2 Professional Education Course. This course builds on and expands the material covered in ENGL 356 and ENGL 371. This course covers the theories and practices of teaching English in middle schools and secondary school English language arts classrooms, in addition to an emphasis on integrating reading, writing, speaking, listening and technology skills into effective lessons and units. 30 field experience hours are required for successful completion of this course. Offered fall.

EDU 374**Methods of Teaching Foreign Language K-12**

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370

*Level 2 Professional Education Course. This course examines the trends in methodology of foreign language teaching in the United States. The course includes the development of ability in determining, stating and evaluating objectives. Emphasis on individualized instruction. Class demonstration of teaching techniques with the use of audio-visual equipment. 30 field

experience hours for successful completion of this course. Offered fall.

EDU 375

Methods of Teaching Mathematics in the Middle and Secondary Schools

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370 and at least 30 credit hours in math.

Level 2 Professional Education Course. Focal points include: principles, standards, current issues, implications of research, and resources and instructional methods related to the teaching and learning of middle and secondary (grades 5-12) mathematics. 30 field experience hours are required for successful completion of this course. Offered fall.

EDU 377

Historical and Social Trends in American Education

3 Credit Hours

This course is designed to engage students in a critical exploration of the social and political history and dynamics of American public schools, as well as the demands of the teaching profession. Central to this study is an exploration of the myth and reality of diversity and equality in our democratic society. Current issues and trends will be dissected and debated to explore multiple perspectives and experiences. Trends and issues may include: standards and standardized testing, multicultural education, critical literacy, parental choice, unionization, school funding, educational reforms, and the legal and ethical rights and responsibilities of teachers and learners in our school communities.

EDU 378

Methods of Teaching History and Social Science in the Middle and Secondary School

3 Credit Hours

Pre/Corequisite: E (RQ) EDU-370 and junior or senior status

*Level 2 Professional Education Course. This course covers the principles, methods and materials of teaching social science at the middle and secondary levels. 30 field experience hours are required for successful completion of this course. Offered fall.

EDU 380

Methods of Teaching Bilingual Education

3 Credit Hours

Program models, methodologies, and strategies that are effective and appropriate for designing, implementing, and assessing teaching and learning for emergent bilinguals are presented in this course. Students will engage in curricular development for preK-12 students who are learning in a bilingual education setting. An overview of the research associated with teaching methodologies and bilingual education is included. Successful completion of the Illinois State Language Proficiency Examination in target language is required to earn the Bilingual Education endorsement. Supervised clinical experience in a bilingual classroom is provided. 0-25 field experience hours. Variable field hours requirement depending on student program and teaching experience. Offered spring.

EDU 381

Science for Teachers

3 Credit Hours

This course focuses on the interconnectedness between pedagogy, content, and assessment of teaching science to elementary students as guided by state standards. Teaching and learning connections are explored across science domains including Physical Science, Life Science, and Earth and Space Science, with special emphasis on technology applications. Offered spring.

EDU 386

Principles and Methods of Teaching Social Studies in the Middle School

3 Credit Hours

*Level 2 Professional Education Course. This course is specifically designed to develop the knowledge, skills and understandings needed to teach social studies at the middle school level by providing teacher candidates with a comprehensive overview of the most effective approaches to planning, implementing, managing, and assessing successful and effective learning experiences for students. Emphasis will be placed on exploring the relationship between educational theory and the development of practical teaching techniques for everyday use in the middle level social studies classroom. Offered fall.

EDU 387

Principles and Methods of Teaching Science in the Middle School

2 Credit Hours

*Level 2 Professional Education Course. This course is designed to prepare middle grade (5-8) science teacher candidates to teach science using the complex and scientifically appropriate inquiry model. The Illinois Learning Standards for Science and the Next Generation Science Standards will guide instructional planning activities. Emphasis will be placed upon the nature of science and its instructional methods including: the nature of scientific inquiry, the development of science process skills, integration of subject areas (STEM) and assessment, and using data to improve student achievement. Corequisites: All other Senior I coursework. Offered fall.

EDU 388

Application of Reading Strategies for Diverse Learners

2 Credit Hours

This course addresses the responsibility and challenge elementary teachers must undertake as they strive to meet the needs of diverse learners in their elementary classroom. Via performance-based assessments, teacher candidates will explore teaching and learning strategies that support the development of a wide range of literacy skills to create challenging learning opportunities for all students. Offered fall.

EDU 390

Student Teaching I

4 Credit Hours

Student Teaching I is comprised of 10-weeks of half-day student teaching experience followed by 6-weeks of full time co-teaching and solo student teaching in a PreK classroom

setting. Candidates are jointly supervised by a university supervisor and a site-based mentor teacher. This course will be followed by Student Teaching II experience.

EDU 392

Student Teaching Seminar I

3 Credit Hours

*Level 3 Professional Education Course: *NOTE: Concurrent enrollment in EDU 322 Student Teaching I Middle School Student Teaching I is required. This course is designed for student teachers pursuing the new Illinois Professional Educators License for Grades 1-6 or 5-8 and includes a structured teaching performance assessment (edTPA) in the directed teaching site. The course supports teacher candidates in the design and implementation of the 3 edTPA tasks: Planning for Literacy Instruction, Instructing and Engaging Students in Literacy Learning and Assessment. * [edTPA has been waived by ISBE until Spring 2024]. Offered fall.

EDU 394

Seminar in Teaching and Learning II

3 Credit Hours

*Level 3 Professional Education Course: Requires passing ILTS content exam.

EDU 395

Student Teaching Seminar I

3 Credit Hours

This course is designed for early childhood education student teachers and includes a structured teaching performance assessment (edTPA) in the directed teaching site. The course supports teacher candidates in the design and implementation of the 3 edTPA tasks: Planning for Instruction, Instructing and Engaging Students in Learning, and Assessing Student Learning. *[edTPA has been waived by ISBE until Spring 2024]

EDU 396

Student Teaching II

9 Credit Hours

Student Teaching II is comprised of 16 weeks. Candidates continue to complete an additional 8 weeks in the Student Teaching I PreK setting. The second 8 weeks are completed in a Primary setting. Candidates are jointly supervised by a university supervisor and a site-based mentor teacher.

EDU 397

Literacy Instruction for Diverse Learners

3 Credit Hours

*Level 2 Professional Education Course: Requires Admission to an Education Program. This course addresses the responsibility and challenge secondary teachers must undertake as they strive to meet the needs of diverse learners in their content areas. Teacher candidates will explore teaching and learning strategies that support the development of a wide range of literacy skills to create challenging learning opportunities for all students. 15 field experience hours are required for successful completion of this course.

EDU 398

Student Teaching Seminar II

3 Credit Hours

This course is designed for student teachers pursuing the new Illinois Professional Educators License with an endorsement in Early Childhood and focuses on the completion of the edTPA - a structured teaching performance assessment. Additional topics include but are not limited to: Co-Teaching model, resume writing, refining the professional portfolio, licensure, and teacher evaluation models.

EDUCATION PRACTICUM

EDUP 389

Mathematics Practicum

1 Credit Hour

*Level 3 Professional Education Course: Requires passing ILTS content exam. Each candidate is required to work in a partner school setting with an individual student or a small group of students in grades 1-5. Throughout this 10-week practicum experience each candidate will complete student work assessment in mathematics. The candidate will analyze the assessment data, design, and deliver targeted instruction on a weekly basis and administer post-assessments to determine the effectiveness of instruction. Each candidate will deliver interventions for student(s). In addition, each candidate is required to observe and assist a certified teacher in the self-contained elementary mathematics classroom. 30-hour practicum experience in mathematics instruction. Offered fall.

EDUP 395

Literacy and Mathematics Practicum

4 Credit Hours

Pre/Corequisite: C (RQ) EDU-336, EDU-343

*Level 3 Professional Education Course: Requires passing ILTS content exam. 4 Credit Hours The semester prior to student teaching, each candidate is required to work in their assigned student teaching site for the equivalent of 2 full days for 15 weeks. Candidates will work with a small group of students (a minimum of 2 students) in grades 1-5 providing literacy and mathematics instruction. Throughout this 15-week practicum experience, each candidate will complete the assignments provided by the EDU 336 and EDU 343 instructors under the direct supervision of their assigned University Supervisor. Candidates will be mentored and evaluated by the supervisor as they work with two or more struggling students to assess literacy and mathematics strengths and weaknesses; analyze the assessment data; design and deliver targeted interventions/instruction on a weekly basis; administer post assessments to determine the effectiveness of instruction in reading and mathematics; and determine future instruction. In addition, each candidate will follow the lead of their mentor teacher as they observe and assist in all curriculum areas in their assigned regular education classroom.

EDUP 396

Social Science Practicum

1 Credit Hour

*Level 3 Professional Education Course: Requires Passing ILTS content exam. For this practicum, each candidate is

required to work in a partner school setting with an individual student or a small group of students in grades 5-8. Throughout this practicum experience each candidate will complete student work assessment in social science; the candidate will analyze the assessment data, design, and deliver targeted instruction on a weekly basis, and administer post-assessments to determine the effectiveness of instruction. Each candidate will deliver interventions for student(s). In addition, each candidate is required to observe and assist a certified teacher in the middle school social science classroom. 30-hour practicum experience in social studies instruction. Offered fall.

EDUP 397

Mathematics Practicum

0.5 Credit Hours

*Level 3 Professional Education Course: Requires passing ILTS content exam. Each candidate is required to work in a partner school setting with an individual student or a small group of students in grades 5-8. Throughout this practicum experience each candidate will complete student work assessment in mathematics; the candidate will analyze the assessment data, design, and deliver targeted instruction on a weekly basis, and administer post assessments to determine the effectiveness of instruction. Each candidate will deliver interventions for student(s). In addition, each candidate is required to observe and assist a certified teacher in a Middle School mathematics classroom. 30-hour practicum experience in mathematical instruction. Offered fall.

EDUP 398

Science Practicum

0.5 Credit Hours

*Level 3 Professional Education Course: Requires passing ILTS content exam. In this practicum, each candidate is required to work in a partner school setting with an individual student or a small group of students in grades 5-8. Throughout this practicum experience each candidate will complete student work assessment in science content; the candidate will analyze the assessment data, design, and deliver targeted instruction on a weekly basis, and administer post assessments to determine the effectiveness of instruction. Each candidate will deliver interventions for student(s). In addition, each candidate is required to observe and assist a certified teacher in a Middle School science classroom. 30 hours practicum experience in science instruction. Offered fall.

ENGLISH

ENGL 101

Critical Thinking & Writing

3 Credit Hours

Application of the principles of clear thinking and effective writing to expository and argumentative essays. Must be passed with a grade of C or better. Offered each semester.

ENGL 120

Rhetoric and Writing

3 Credit Hours

This course introduces students to the theories and practices of academic writing. Students will demonstrate rhetorical sensitivity in reading and writing, compose inquiry-based

arguments and perform writing as a process. Must be passed with a grade of C or better.

ENGL 154

Introduction to Literature

3 Credit Hours

This course focuses on close reading and analysis of poetry, fiction and/or drama selections leading to a better understanding of how literature works and what it can do. Open to all students and designed for students who are NOT English majors.

ENGL 155

Introduction to Literature: Global

3 Credit Hours

This course focuses on close reading and analysis of poetry, fiction and/or drama selections chosen from the literatures of the world, excluding American, leading to a better understanding of how different cultures think of the ways literature works and what it can do. Designed to satisfy the General Education Level II Literature and Global Studies requirements. Open to all students and designed for students who are NOT English majors.

ENGL 157

Introduction to Shakespeare

3 Credit Hours

This course is an introduction to Shakespeare through the reading of several major plays. Open to all students and designed for students who are NOT English majors.

ENGL 201

English Literature to 1700

3 Credit Hours

This course is a survey of English literature from the Old English period to the end of the 17th century.

ENGL 202

English Literature Since 1700

3 Credit Hours

This course is a survey of English literature from the 18th century to the present.

ENGL 203

American Literature to 1865

3 Credit Hours

This course is a survey of American literature from the explorers' narratives to the Civil War.

ENGL 204

American Literature Since 1865

3 Credit Hours

This course is a survey of American literature from the post-Civil War era to the present.

ENGL 205

World Literature to 1500

3 Credit Hours

This course focuses on selected works from a wide range of world literatures from the earliest written texts through about 1500: Ancient Middle Eastern, classical Greek and Roman,

Indian, Chinese, Japanese, Islamic (Arabic, Persian and Indian), African and European (except the Anglo-American tradition).

ENGL 206

World Literature Since 1500

3 Credit Hours

This course focuses on selected works from a wide range of world literatures from about 1500 to the present: Chinese, Japanese, South Asian, Middle Eastern, African, Latin American and European (except the Anglo-American tradition).

ENGL 207

The Study of Literature

3 Credit Hours

This course is an introduction to the study of literature through a range of contemporary (1965-present) theoretical perspectives. Required of English majors and minors but also open to other interested students with strong backgrounds in the study of literature. Should be taken as soon as possible by English majors and minors.

ENGL 208

Study of Rhetoric

3 Credit Hours

This course is an introduction to the discipline of rhetoric through a range of historical and contemporary rhetorical theories. Emphasizes close reading, academic writing and disciplinary inquiry. Required of all English and English Secondary Education majors.

ENGL 210

Introduction to Creative Writing

3 Credit Hours

This course is an introduction to writing poetry and short fiction. Students will compose several poems and at least one short story in the context of reading classic and contemporary literature.

ENGL 220

Advanced Writing

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 HONOR 150

This course is an intensive writing course focused on advanced argumentation in the academic context. Students will study the power of language to influence thought and behavior, advanced sentence grammar and effective style by writing and reading non-fiction texts. Required of all English and English Secondary Education majors.

ENGL 222

Greek Drama

3 Credit Hours

This course is an introduction to classical Greek drama through the reading of several plays by Aeschylus, Sophocles, Euripides and Aristophanes within their literary, historical and social contexts.

ENGL 224

Professional Writing and Communication

3 Credit Hours

Pre/Corequisite: P (RQ) Sophomore standing and ENGL-120, or consent of the instructor

Principles of effective argument and exposition applied to writing about business and professional topics. Emphasis on the purpose, audience, and design of letters, resumes, reports and other business and professional documents.

ENGL 230

Multiethnic Literature in the United States

3 Credit Hours

This course is an introduction to major works and issues of contemporary multiethnic literature in the United States, featuring works by African-American, Asian-American, Latinx and Native American writers.

ENGL 232

Introduction to Women's Studies

3 Credit Hours

This course examines the connections between biological sex and the construction of gendered identities, as well as the historical conditions that give rise to conception of identity, as inflected by gender, race, class, sexuality and other categories of difference.

ENGL 233

Middle Eastern Literature

3 Credit Hours

This course focuses on selected poems, short stories, sacred texts and novels written by authors from diverse ethnic and religious backgrounds from different regions of the Middle East.

ENGL 235

Literature and Sports

3 Credit Hours

This course requires reading and analysis of sports classics in poetry, fiction, drama and personal-experience writing. Focus on the sporting experience as a metaphor for life and on the various ways that sports events are transformed into literature.

ENGL 240

Women and Literature

3 Credit Hours

This course is a study of women's writing in all genres and from a wide range of historical contexts and ethnic groups.

ENGL 241

Introduction to Language and Linguistics

3 Credit Hours

This course is an introduction to the study of language and modern linguistics, including coverage of the nature of oral and written language; grammars; semantics, syntax, morphology and phonology; the evolution of the English language; language diversity; and the impacts of cultural, economic, political and social environments on language. Designed as an introductory course both for future teachers of English language arts and for students seeking an introduction to language and how it works.

ENGL 260

Special Topics in Literature

3 Credit Hours

This course focuses on the study of various literary topics designed as electives for majors and for students who are not majors.

ENGL 301

Chaucer

3 Credit Hours

This course is a study of Chaucer's poetry, primarily The Canterbury Tales, in the context of late-medieval culture and language.

ENGL 304

Shakespeare

3 Credit Hours

This course examines selected major comedies, histories and tragedies, including the development of Shakespeare's career in relation to his theater and society.

ENGL 311

English Literature of Romantic Period

3 Credit Hours

This course explores the different genres of English romanticism as a literary movement in its cultural and social context.

ENGL 313

20th Century British Literature

3 Credit Hours

This course is a study of the different literary movements and genres in relation to 20th-century British culture and society.

ENGL 315

The English Novel

3 Credit Hours

This course examines the historical development of the English novel as an art form, from its inception to the present.

ENGL 317

English Literature of the Victorian Period

3 Credit Hours

This course explores the literature of the Victorian age in its cultural and social context.

ENGL 321

Literature of the American Romantic Period

3 Credit Hours

This course is a study of antebellum American literature that examines the cultural, intellectual and literary engagements with Romanticism and Transcendentalism.

ENGL 322

American Regionalism and Realism

3 Credit Hours

This course is a study of post-bellum American literature that examines Realism and Naturalism in the context of Social Darwinism, populism and progressivism.

ENGL 323

American Modernism

3 Credit Hours

This course is a study of American modernism that examines the movement's literary experimentation and engagements with American culture.

ENGL 325

American Fiction

3 Credit Hours

This course is a study of the rise of the American novel and/or short fiction.

ENGL 330

Folklore

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 or HONOR-150

Introduction to the study of the folklore of the major areas of the world. Emphasis on form, function, creation, performance, transmission, meaning and application of metaphoric speech, proverb, riddle, myth, legend, folktale, anecdote, joke, folksong, ballad, folk belief, custom, ritual, festival and folk drama.

ENGL 331

Issues in African-American Literature

3 Credit Hours

A study of African-American literature and its related issues of authority, self and canon.

ENGL 332

Introduction to Women and Gender Studies

3 Credit Hours

This course addresses the relationship between biological sex and the construction of gendered identities. As a result, this course deals directly with this relationship, as well as the historical conditions that give rise to this relationship, by examining writings about women and men and femininity and masculinity from a range of disciplines that include the cultural, the sociological and the anthropological.

ENGL 333

Modern African Literature

1 to 6 Credit Hours

This course focuses on selected works by modern African writers within their historical and cultural contexts.

ENGL 334

Film as Text

3 Credit Hours

This course is a study of the vocabulary and concepts of cinematic form and of the fundamentals of critical writing about film.

ENGL 340

Critical Theory

3 Credit Hours

This course focuses on selected texts in literary, rhetorical and cultural theory, with a strong emphasis on contemporary theories. Required for all English (Global Literature and Writing/Rhetoric) and English Secondary Education majors.

ENGL 344

Young Adult Literature

3 Credit Hours

A study of literature written for young adults at the high school level, designed primarily for English Education majors but open to others. The literature is studied within the context of secondary studies of theories and practices of teaching young adult literature, including the question of how adolescents read.

ENGL 345

Modern Drama

3 Credit Hours

This course is a study of drama from the late 19th-century to the present.

ENGL 349

Studies in World Literature

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120

This course explores a study of representative texts, major themes or literary movements in world literature.

ENGL 352

Writing in Digital Environment

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120

This is a project-based course emphasizing digital and information literacy, online identity, and the analysis and production of digital texts. Students will gain the rhetorical and design skills necessary for becoming successful, engaging online writers who can respond effectively to the unique opportunities offered within digital environments.

ENGL 353

The Writing and Editing Process

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120

This course is an introductory proofreading/copyediting course that presents an overview of the editorial process and instruction on the basic tools and tasks of proofreaders and copyeditors. Students will use style manuals and reference books, create style sheets, and learn methods of querying authors and project editors.

ENGL 356

Teaching Writing and Language in Middle and Secondary Schools

3 Credit Hours

This course focuses on theories and practices of teaching writing in middle and secondary English language arts classrooms. Emphasis on integrating a wide range of writing activities into the classroom and on improving students' abilities as writers. Approaches to, and practice in, integrating reading, writing, speaking, listening and technology skills into classroom units of instruction. Must be taken before ENGL/EDU 373 Methods of Teaching English. 10 clinical hours. Fall semester only (every other year).

ENGL 357

Topics in Writing

3 Credit Hours

This course focuses on writing topics of a specialized nature.

ENGL 358

Advanced Creative Writing

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 or permission of the instructor

An advanced course on writing poetry, short fiction and drama. In addition to writing their own poetry, fiction and drama, students will read examples of classic and contemporary literature, as well as published authors on the art of writing creatively. Students will also study the process of submitting work for publication.

ENGL 359

Rhetoric, Writing, and Society

3 Credit Hours

This course asks students to read theoretical and primary texts to examine the role that rhetoric plays in contemporary social movements, debates and controversies.

ENGL 360

Special Topics: Topics in Literature

3 Credit Hours

This course focuses on the studies of literary or rhetorical topics designed for English majors and other interested students with a background in literature or rhetoric.

ENGL 365

Internship

1 to 9 Credit Hours

For students who perform internships and/or present an off-campus experience judged by the faculty advisor and division director to be of significant value in English studies. Note: Junior/senior standing; consent of instructor.

ENGL 371

Teaching Reading and Literature in Middle and Secondary Schools

3 Credit Hours

This course focuses on theories and practices of teaching reading in middle and secondary English language arts classrooms. Emphasis on teaching a wide variety of texts commonly taught in middle and secondary schools (literary and non-literary, print and non-print) and on improving students' abilities as readers of those texts. Approaches to, and practice in, integrating reading, writing, speaking, listening and technology skills into classroom units of instruction. Must be taken before ENGL/EDU 373: Methods of Teaching English. 10 clinical hours. Spring semester only (every other year).

ENGL 373

Methods of Teaching English in Middle and Secondary Schools

3 Credit Hours

Pre/Corequisite: P (RM) ENGL-356, ENGL-371

This course builds on and expands on material covered in ENGL 356 and ENGL 371. Theories and practices of teaching

in middle and secondary English language arts classrooms, with an emphasis on integrating reading, writing, speaking, listening and technology skills into effective lessons and units. 30 clinical hours. Offered fall.

ENGL 395

Senior Seminar

3 Credit Hours

This course is a study of literature, rhetoric, or English education requiring student to employ current methodologies, critical approaches, and research techniques appropriate to their projects. Students write and present a senior paper under the supervision of a faculty member. NOTE: Senior standing as an English major and program approval. Offered fall.

ENV. AND SUSTAIN. STUDIES

ESS 395

Capstone Experience in Environmental Studies

1 to 3 Credit Hours

The capstone experience in Environmental and Sustainability Studies enables students to complete the requirements for a minor in ESS. The experience must be approved by the faculty advisor and program director and may take the form of an internship, community service project, independent study, research or creative project. Permission required to register. Course Type: ESS-Environment and Sustainability Studies.

EXERCISE SCIENCE

EXSC 112

Health and Fitness

2 Credit Hours

This course introduces the fundamentals of health and wellness through life long physical activities while increasing your awareness of overall fitness. This course is designed at an introductory level to cover relevant health and fitness topics and is designed to provide information to create awareness of and motivation toward development of positive health and fitness behaviors. The practice of long-term positive health and fitness behaviors are essential to an individual's physical, mental, emotional, and social well-being. Offered fall and spring.

EXSC 120

Fist Aid and Athletic Injuries

3 Credit Hours

This course is designed as an introduction to athletic training and sports medicine. The course offers instructional and practical application in the skills and techniques necessary for prevention, evaluation, treatment, and rehabilitation and care of athletic injuries. The course also offers techniques used in emergency first aid as related to athletics. Contact hours include athletic training room observation, and the shadowing of certified athletic trainers' day to day responsibilities. The student will also be offered the practical application of various taping methods. Offered fall and spring.

EXSC 130

Introduction to Exercise Science

3 Credit Hours

Students will be introduced to a broad array of topics related to the field of exercise science through an introductory review of body systems and physiological concepts. Students will gain an understanding and appreciation for the processes of response and adaptation which enhance both health and fitness through regular exercise. Career options, history and philosophy, professional organizations, research methods, and professional issues will be examined. Offered fall and spring.

EXSC 200

Anatomy and Physiology I

3 Credit Hours

Pre/Corequisite: C (RQ) EXSCL-200

This course will introduce students to the concepts of anatomy and physiology of the human body. This course will cover the integration and function of the cells, tissue, organs and other systems of the body. Students taking this course will be preparing for a career in the allied health professions.

EXSCL 200

Anatomy and Physiology I Lab

1 Credit Hour

Pre/Corequisite: C (RQ) EXSC-200

This course is designed to complement and reinforce the concepts of anatomy and physiology through in depth lab exercises. Topics such as the identification of the tissues, muscles, bones and their functions within the context of the human system will be discussed. Students taking this course will be preparing for a career in allied health professions.

EXSC 201

Anatomy and Physiology II

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-200 and EXSCL-200 and C (RQ) EXSCL-201

This course is a continuation in the series of anatomy and physiology courses. This course integrates furthering concepts in the human body including the function of cells, tissues, organs and other systems. Students taking this course will be preparing for a career in the allied health professions.

EXSCL 201

Anatomy and Physiology II Lab

1 Credit Hour

Pre/Corequisite: P (RQ) EXSC-200 and EXSCL-200 and C (RQ) EXSC-201

This course is a compliment and reinforcement of anatomy and physiology concepts through in-depth lab exercises. Topics such as the identification of muscles, tissues, bones and aspects. Investigation into how the body reacts to stressors on the respiratory, cardiorespiratory and overall homeostasis of the body will be explored. Students taking this course will be preparing for a career in the allied health professions.

EXSC 203**Nutrition for Sport**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130

This course will focus on the physiological use of nutrients on the body. This course will investigate the use of proper nutrition as it applies to human performance, activities for daily living and prevention of injury and illness. Other topics will include supplementation to nutrition, eating disorder and body composition. Offered fall.

EXSC 210**Motor Behavior**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130

This course investigates how motor development affects motor learning through the lifespan of human beings. This course explains how motor development and learning creates a framework in which skill acquisition is obtained for various sport skills and activities for daily living. Offered spring.

EXSC 275**Exercise Physiology for Sport**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130 and C (RQ) EXSC-275

This course builds upon the introduction to the body systems and physiological concepts. An in-depth look into how the body responds to acute and chronic exercise emphasizes the bioenergetics of the cardiovascular, respiratory, and neuromuscular system responses to physical stress. This didactic course has a laboratory component. Offered fall.

EXSCL 275**Exercise Physiology for Sport Lab**

1 Credit Hour

Pre/Corequisite: P (RQ) EXSC-130 and C (RQ) EXSC-275

This is a laboratory course that builds upon the didactic lectures of how the body responds to acute and chronic exercise emphasized the bioenergetics of the cardiovascular, respiratory, and neuromuscular system responses to physical stress. Emphasis is placed on practical application of learned theories within the lectures. Offered fall.

EXSC 295**Research Methods for Allied Health**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130 ENGL-120

This course introduces research terminology and various methods used in evidence-based research. Students will develop an understanding of the research process that occurs within the health sciences. Students will become proficient in the critical appraisal process of qualitative and quantitative studies by implementing various evaluation tools. Offered fall.

EXSC 300**Special Topics**

2 to 3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130

This course presents varying subject matter related to current trends and issues in allied health dependent upon student interest and faculty resources. Junior or senior status.

EXSC 319**Biomechanics**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130 EXSC-210

This course focuses on structural kinesiology and the study of both skeletal and muscular structures as they are involved in the science of movement. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological and social factors that influence an individual's participation in physical activity and sport. Students will review the anatomy of the skeletal and muscle systems, understand the terminology used to describe joint movements and body part locations, gain knowledge in the planes of motion in relation to human movement, and describe and understand the various types of joints in the human body and their characteristics. Formerly Kinesiology.

EXSC 327**Measurement and Evaluation**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130

This course introduces students to proper measurement and evaluations in exercise. Students will measure performance in the areas of health, fitness and sports. This course will investigate the use of evidence-based practice in coming to valid and reliable conclusions based on evaluations. Offered fall.

EXSC 335**Sport Psychology**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Sport Psychology examines the interaction between psychological variables and performance in athletic and physical activities. The American Psychological Association, Division 47 - Society for Sport, Exercise and Performance Psychology-contributes to the standards of this course. The objective of this course is to survey theories and practical skills that contribute to performance in sports. Offered fall and spring.

EXSC 366**Strength and Conditioning Theory**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130

This course is a culmination of the study of program and design and its application of exercise science. This course is designed to prepare students to program and design based off of proper assessments, evidence-based research and needs analysis. This course also serves as a preparation course to take the CSCS exam. Offered fall.

EXSC 380**Field Experience**

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130 EXSC-210 EXSC-366 EXSC-390 and P (RQ) EXSC-203 OR PE-124

The Internship Program for Exercise Science at Saint Xavier University provides the opportunity for students to develop and apply exercise science knowledge, skills, and abilities

in a supervised University approved setting. The course is intended for student to observe and gain practical experience in a professional environment. Prerequisites: All core courses 130, 203, 210, 366, and 390. Offered fall, spring, and summer.

EXSC 385

Program and Design for Sport

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130

This course will focus on advanced theories of program and design for sport. This course will investigate different program methodologies based on sport, individual and team sports. Further investigation will look at factors that affect the sport and the athlete's performance on and off the field. Offered spring.

EXSC 390

Exercise Science Senior Seminar

3 Credit Hours

Pre/Corequisite: P (RQ) EXSC-130 EXSC-319

Students are provided an overview of contemporary issues, trends, theories, and research related to exercise science. This course is a capstone course designed to integrate the student's prior academic experience in exercise science. Students will bridge the foundational curricular experience with professional preparedness and/or professional certification. The course is delivered in a seminar format to encourage student participation and interaction with peers and faculty. Offered fall and summer.

FINANCE

FINC 200

Personal Financing

3 Credit Hours

The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

FINC 300

Principles of Finance

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-210 and P (RQ) BANA-250 or BANA-251 and P (RQ) MATH-132 or MATH-135

This course is an introduction to corporate finance and the techniques used by financial managers. Topics include: an overview of the financial environment, analysis of financial statements, consideration of risk and return on investment, the time value of money, valuation models of stocks and bonds, the cost of capital and capital budgeting, the capital structure and dividend policy of firms, and an overview of capital markets and the investment banking process.

FINC 310

Financial Institutions and Markets Financial Institutions and Markets

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-300 ECON-202

*Formerly Money and Banking. This course is designed to help students understand the operations of financial institutions and financial markets and the crucial role they play in modern economies. This course focuses on four broad areas that

include: the importance of studying money and banking and an overview of the financial system including a detailed understanding of the banking sector, banking regulations, and the impact of banking functions on the local and national economy; understanding interest rates and its importance in market economies and the financial sector; the importance of money and monetary policy and the role of the Federal Reserve System; and issues related to financial institutions. In addition, students learn about banking services, financial fraud, and the critical role of ethics in the financial sector. *Note: Students admitted under the 2021 catalog will follow the 2022 catalog for FINC 310 and the course content taught.

FINC 320

Investment and Portfolio Analysis

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-300

Investment and Portfolio Analysis focuses on the theories and techniques basic to control of investment risks and optimization of investment returns. Students study the investment setting and asset allocation, the organization and functioning of securities markets, efficiency of capital markets, asset pricing models, security valuation, investment companies and the futures and options markets.

FINC 330

International Finance

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-300 ECON-202

This course provides an understanding of finance in the international context. In a globally integrated world, it has become imperative to trade, invest and conduct business operations internationally. The course exposes the students to the opportunities and risks associated with international finance.

FINC 340

Advanced Corporate Finance

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-320

This course teaches students how to address a wide variety of financial and managerial issues and problems. Topics include planning for current and long-run financial needs, merger analysis, dividend policies, choosing the optimal capital structure, raising funds in both domestic and foreign capital markets, and risk management in an international setting. Students will use case analysis to explore the interrelationship of money, interest rates, and the economy. Finally, students will learn about money and monetary policy, the Federal Reserve System, and financial regulatory bodies.

FINC 347

Healthcare Finance

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-210, ACCT-211, and MGMT-344

This course teaches you how to apply concepts of finance and accounting to healthcare. You will learn how to track and evaluate the financial status of a healthcare organization. Additionally, you will learn how healthcare systems finance growth, and other projects. By the end of this course, you will

be able to analyze issues and trends in healthcare finance and use financial information to support healthcare decision-making. This online course has optional live sessions.

FINC 350

Futures and Options

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-320

This course teaches students how to understand theories and practices of futures, options, and swaps, which are used in business. It is an experiential class using CME Group materials and industry leading Barchart software. Students participate in CME Group Trading Challenges using applied skills. The class will offer CME badges after completion of distinct parts and eventually receiving a certificate from CME Group upon successful completion of the course.

FINC 360

Risk Management Analysis and Student Managed Hedge Fund

3 Credit Hours

Pre/Corequisite: C (RQ) FINC-350

The course provides students with a career path in the investment industry. Students learn and apply technical and risk management skills to manage the Cougar Student Hedge Fund, which has a focus on investment grade ESG investments. This investment style has been lauded by the external community, including the Financial Times of London. Additionally, students will learn how to maximize returns of their investments using derivatives risk management through participation in CME Group Trading Challenge. A course textbook, CME Group Risk Management Materials, CME Software, and materials from the financial services industry will be used. The CME badges and certificates will be provided upon successful completion of the course.

FOUNDATION SEMINAR

FOSEM 110

Portfolio Development

0 Credit Hours

This is an independent study course that will introduce the theory and practice of creating a portfolio to obtain credit for prior learning. Students will be guided how to document and verify college-level learning through a conceptual and systematic approach based on their personal and professional experiences. Students wishing to develop a portfolio must complete this seminar.

FOSEM 200

Foundation Seminar: Mathematics

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 COMM-101

This course provides an exposure to the richness of mathematics through a unique examination of its history, creators and cultural influences. Various branches of mathematics will be surveyed. Formulas and calculations will be required. There is no mathematics prerequisite for this course.

FOSEM 205

Business Communications

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 COMM-101

The business community demands business communication to be clear, concise, courteous and correct. In addition, the ever-changing technological environment demands business executives to present information in a variety of electronic formats. This course examines the techniques for communicating effectively and efficiently in business situations. A project applying to the student's current work situation is required.

FOSEM 301

Ideas, Methods and Research

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 COMM-101

This requirement is met by a wide array of 200 and 300 level courses that require close and careful reading of academic texts, critical thinking about those texts, and comprehensive analysis, ideally with attention to interdisciplinary themes.

FOSEM 350

Senior Seminar/Project

3 Credit Hours

This course is met by a wide array of 300 level courses that require "a significant writing component." Students must select courses in their area of concentration, e.g., students concentrating in Business must select a Business course, and students concentrating in Natural Science, Social Science and the Humanities must do the same. Although courses approved to meet FOSEM 350 can be designated as a "writing intensive course" for the purposes of the General Education Program, they need not be. Liberal Studies majors should be seniors when taking FOSEM 350.

GERONTOLOGY

GERON 101

Introduction to Aging

3 Credit Hours

This course introduces the student to the inter-disciplinary field of gerontology and a constructive approach to the aging process. Relevant and contemporary topics are covered, which includes subject areas in the fields of biology, psychology, economics, health sciences, and the collective social issues that affect a growing number of older adults. Students are provided opportunities to investigate negative myths about aging, interact with an older adult in a positive manner to promote healthy aging, and to explore the complexity and diversity of those aging members of our society.

GERON 106

Elderhood Through Film

3 Credit Hours

The purpose of this course is to engage the student in reflecting on the later parts of the life cycle (elderhood) as represented in popular narrative films, as well as, documentary films and television programs. The emphasis in the course will be on deconstructing the many myths and stereotypes surrounding aging and elderhood, and then reconstructing

a more holistic view of human life in later years. Film (and television) is both a reflection of, and an influencer on, popular perceptions, feelings and understandings of major cultural mores and beliefs. As such, it can serve as an engaging way for students to look reflectively and critically at our societal understandings of human life in its later years, including the diversity and individuality of the experience of growing older.

GERON 124

Physiology of Aging

3 Credit Hours

In this course the physiological changes that occur in the aging process are addressed with emphasis on learning for the student who is not previously trained in the physiological sciences; includes information on appropriate exercise, nutrition and ways to minimize problems for the elderly.

GERON 199

Lifespan Development

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Lifespan Development is a survey of theory and research on development throughout the life span from conception to death. The course focuses on the physical, emotional, social and cognitive changes.

GERON 203

Care at the End of Life

3 Credit Hours

This course is an on-line course based on the ELNEC (End of Life Nursing Education Consortium) core curriculum, and addresses the special care and needs of patients, families and significant others at the end of life. Content will include an overview of hospice and palliative care, the role of the interdisciplinary team in hospice care, as well as the concepts of communication at the end of life, ethical, legal and cultural considerations, suffering, grief, loss and bereavement. Care of the dying child as well as the veteran at the end of life will also be addressed. Literature and film will enhance the student's awareness of end of life issues.

GERON 205

Narrative Gerontology

3 Credit Hours

The purpose of this interdisciplinary course is to introduce the student to narrative/story [Voices of Aging] as a way of knowing, a way of coming to connect with and communicate with the older adult in a variety of settings through interdisciplinary venues that include literature, gerontology, psychology, sociology, anthropology and nursing. The student will be introduced to interpretive phenomenology as a way of thinking and understanding the diversity and complexity of the older adult. Student interdisciplinary teams will discuss a variety of readings and studies and participate in developing a qualitative research study outline exploring the perspectives of older adults, leading to a multi-perspectival understanding of aging and how to come to understand what is meaningful to older adults.

GERON 208

Aging and Culture

3 Credit Hours

This course examines aging in cross-cultural perspective. Emphasized are the diverse and worldwide cultural contexts that mediate the experience of aging. Evaluated is the human response to aging as influenced through historical time periods. Theoretical perspectives and myth surrounding aging are explored. Challenges of growing old are considered in diverse life contexts and cultures. Explored are case studies of aging from Asia, Europe, Africa and the Americas and the contextual knowledge that illuminates life transition, health, well-being, and cultural adaptation for the aged. This course applies to academic disciplines including nursing and health sciences.

GERON 216

Introduction to Health Communication

3 Credit Hours

This course is a survey of health communication concepts and theories. The processes by which people, individually and collectively, understand shape and accommodate to health and illness issues are explored as well as the study and use of communication strategies to inform and influence individual and community decisions that enhance awareness, processes and procedures. Offered spring.

GERON 224

Adulthood and Aging

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Adulthood and Aging considers physical changes with aging, psychological and sociological theory and research concerned with the changes and developmental tasks characteristic of mature adulthood, middle age and aging.

GERON 266

Suffering and Death

3 Credit Hours

This course is a study of central themes, resources and methods employed in Christian theological reflection upon human suffering and death.

GERON 309

Neuroscience of Communication

3 Credit Hours

Pre/Corequisite: P (RQ) CSDI-204, CSDI-206

This course examines the neurological foundations of speech, language, and swallowing, and provides an introduction to the neurogenic communication disorders of aphasia, apraxia of speech, and dysarthria. Offered spring.

GERON 318

Sociology of Aging

3 Credit Hours

This course explores the sociological aspects and theories of aging. Using a cross-cultural perspective, the content focuses on issues in life-course, leisure and retirement, social ecology and structure, interpersonal and intergenerational relations, and the economics and politics of aging. Offered as needed.

GERON 335

The Art and Science of Reminiscing

3 Credit Hours

This course will examine the therapeutic intervention of reminiscing utilizing theories in nursing and sociology as well as research and critical thinking skills. With a focus on the older adult client, attention will be given to active communication and therapeutic listening. Reminiscing will be explored from sociocultural, developmental, and clinical contexts. Opportunities to learn and apply principles of qualitative research will be incorporated. Offered as needed.

GERON 341

Health Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Health Psychology is an interdisciplinary study of health and psychology. The primary emphasis of the course is a biopsychosocial one. Content includes the history and focus of health psychology, an examination of stress, its relation to illness, and methods for coping with and reducing it, physical and psychological pain, methods for managing and controlling it, and procedures to enhance health and prevent illness.

GERON 348

Geriatric Syndromes

3 Credit Hours

This 8 week on-line course utilizes relevant theory and findings from social, biological, and health sciences to explore the wholistic needs of those older adults experiencing common psychological and physiological issues that are specific to this age group. Issues related to assessment, intervention, risk reduction, and prevention are incorporated as well as explaining the impact these problems have on older adults and their families.

GERON 390

Elder Law/Justice in Aging

3 Credit Hours

This course is an introduction to the myriad of legal issues that are often grouped under various titles such as Elder Law and Aging and the Law. The course highlights the social and legal issues associated with an aging society, a critical understanding of the distinct legal problems of the elderly and a familiarity with governmental aging society, a critical understanding of the distinct legal problems of the elderly and a familiarity with governmental programs established for the benefit of older people.

GERON 395

Capstone Project

3 to 4 Credit Hours

Pre/Corequisite: P (RQ) GERON-101 or NURS-199

Completion of core and elective courses for either the Gerontology Major or Minor.

This Gerontology major course completion degree will culminate with an interdisciplinary Capstone Project in which the student(s) will develop a project integrating program learning outcomes. Foci in this project may include Communication, Community, Teamwork, Integrated literature review or a Presentation. Students, in teams or individually,

may develop and present a community educational offering in collaboration with a specific agency or work with a faculty member on a particular project related to the field of gerontology. The capstone experience will be developed and individualized to meet the interests of the student in alignment with the learning outcomes of the Gerontology Studies Major.

HISTORY

HIST 101

World History to 1500

3 Credit Hours

The first of a two-part sequence, this course examines the development of societies and cultures from Neolithic times up to 1500. The course gives particular attention to the ways in which differing patterns of social organization have shaped the dynamic interaction between human societies and their environments.

HIST 102

World History Since 1500

3 Credit Hours

The second of a two-part sequence, this course examines the ongoing development of societies around the world with a particular emphasis on the increasing scale and intensity of global interaction in the period since 1500. Major topics include population growth, technological change, inter-continental migration, and the rise of a global economy.

HIST 103

United States History to 1877

3 Credit Hours

This course is a general survey of American social and political history from Pre-Columbian civilization through Reconstruction. It will address issues of slavery and freedom, gender, class, race, diplomacy, war, politics, economics, and culture.

HIST 104

United States History Since 1877

3 Credit Hours

This course is a general survey of American social and political history since the late 19th century. It will address themes of gender, class, race, politics, diplomacy, war, economics and culture.

HIST 190

Economic Development in United States History

3 Credit Hours

This course is an accelerated general survey of U.S. history with an emphasis on the nation's economic development. In addition, this course will also address themes of race, class, gender, diplomacy, war, culture and politics and it will explore methods for implementing Illinois history standards in elementary and middle-school classrooms. The completion of at least 30 credit hours is required for enrollment. Students cannot receive credit for this course and HIST 103 or 104. Offered fall.

HIST 200**Introduction to Discipline of History**

3 Credit Hours

Pre/Corequisite: E (RQ) Complete two of the following:

HIST-101, HIST-102, HIST-103, or HIST-104

This course introduces majors to the conventions and research methods of the discipline of history. The course requires students to complete a substantial research paper or proposal. Topics will vary according to instructor. Offered spring.

HIST 201**Digital Humanities**

3 Credit Hours

This is a project-based course designed to teach the basic theories and tools needed to engage digitally with the humanities. Students will compose a digital exploration of some historical topic that demonstrates such skills as curating, analyzing, editing, or modeling information. Offered fall.

HIST 203**History of the Holocaust**

3 Credit Hours

This course introduces students to the historical study of the Holocaust, and covers such topics as the development of "scientific" racism in 19th and 20th century Europe, the rise of political anti-Semitism in Nazi Germany, the creation of the camp system, and the implementation of the Final Solution. We will pay particular attention to the historical legacy of the Holocaust: how and why has it come to be seen as a benchmark for evil? In what ways has the Holocaust been memorialized? What political purposes does the Holocaust continue to serve?

HIST 208**Modern Europe, 1789-Present**

3 Credit Hours

Survey of the history of modern Europe from the French Revolution through the early 21st century emphasizing social, cultural, economic and political developments. Also interrogates the historical notion of the "modern period" with its connotations of decisive rupture from the past and unprecedented acceleration of historical change. Offered fall even years.

HIST 211**Women in Modern European History**

3 Credit Hours

Explores the history of women in a European context since the mid 17th century. Ideas about women, gender, and sexuality, the changing social and economic conditions of women's lives, and women's political activism will be examined. Offered every spring odd years.

HIST 213**History of Modern Germany**

3 Credit Hours

This course introduces students to the historical study of Germany. It covers unification through the world wars, the division of the nation, and Germany's contemporary transformation into a multiracial, multiethnic democracy. Students will also be introduced to historiographic debates in

German history, including the Historikerstreit over the place of the Holocaust in German history and memory. Offered as needed.

HIST 215**History of Modern Russia**

3 Credit Hours

This course examines Russia and the Soviet Union from the mid-nineteenth century to the present. Topics include czarist modernization, the revolutions of 1905 and 1917, Leninism, Stalinism, WWII, the Cold War, and Post-Communist Russia. Special emphasis is given to Soviet empire-building, minority policies in the Soviet Union, and foreign relations with the US. Offered fall odd years.

HIST 221**American Foreign Relations**

3 Credit Hours

What are the responsibilities of global leadership and how did the United States attain such power? From Cold War to post-Cold War, the essence of America in the world will be analyzed. Historical trends, current economic and political events, differing theories of America's world role and the ethics of American diplomacy and war will be assessed. Offered as needed.

HIST 228**African-American History**

3 Credit Hours

This course explores the history of African-Americans from slavery to freedom, beginning with the slave trade and concluding with the Civil Rights Movement of the 1950's and 1960's through Black Lives Matter. Other topics include slave religions, abolitionism, the Harlem Renaissance, and Jim Crow apartheid. Offered as needed.

HIST 230**Illinois History**

3 Credit Hours

This course explores Illinois history from its settlement by native Americans to the present. It integrates Illinois history with broader developments in American history throughout. Topics include French settlement in the 18th century, American settlement in the early 19th century, the struggle over slavery, late 19th century immigration and industrialization, 20th century African-American migration to Chicago, the Great Depression and World War II, postwar conflicts over race and housing, Chicago's political machine, and deindustrialization. Offered fall.

HIST 234**History of Colonial Latin America**

3 Credit Hours

This course examines the history of Spanish and Portuguese conquest and colonization of the Americas in the 15th through 19th centuries as well as the indigenous empires and societies that existed before contact. Topics include conquest, indigenous and African slavery and labor, religious conversion and hybridity, colonial economies, and movements toward independence. The course also focuses on the political, social, and cultural effects of the so-called "Columbian Exchange"

including the impact of European diseases and animals and the creation of new social and ethnic categories. Offered as needed.

HIST 240

Latin American History

3 Credit Hours

This course examines the development of Latin American nation-states in the 19th and 20th centuries (roughly 1800-1990s). It provides an introductory exploration of the social, economic, political and cultural history of the various countries in the region, with a specific focus on Mexico, Brazil, Argentina, Chile, Cuba, and Guatemala. Topics include independence movements, liberalism, nationalism and modernity, U.S.-Latin American relations, industrialization, and Cold War military dictatorships. Offered as needed.

HIST 242

History of Africa

3 Credit Hours

A survey of major historical themes that have shaped African life over long periods of time and across the continent. Topics include trade and migration, ecology and human adaptation, the family and sexual division of labor, colonialism and the challenges of the post-colonial period. Offered as needed.

HIST 243

History of the Middle East

3 Credit Hours

A survey of the Middle East, its people, geography, cultures and history. Primary emphasis will be upon the Islamic period (7th century-present) and upon the interrelated development of religious beliefs, political and social ideologies, and cultural practices. Offered as needed.

HIST 244

History of East Asia

3 Credit Hours

This course explores the political, economic and cultural history of East Asia, especially China and Japan, and the conflicts arising from the impact of Western imperialism. Offered as needed.

HIST 245

History of Modern Japan

3 Credit Hours

This course explores the history of Japan from the 16th century to the present, with a special emphasis on Japanese culture. Themes will include Western influences on modern Japan, the role of the state, the changing character of civic life, the impact of economic development on Japanese society, and tensions between individualism and conformity, social, political, economic and cultural history of modern Japan. Offered fall odd years.

HIST 247

History of Mexico

3 Credit Hours

This course introduces students to the major historical developments in the formation of the modern Mexican nation (1810-present), with emphasis on the construction of official

national historical narratives and heroes as well as popular resistance to them. Topics include independence, 19th century wars and dictatorships, the Revolution, national identity, land and labor reform, student and popular protest, and border issues. Offered fall.

HIST 250

Topics in American History

3 Credit Hours

This course focuses on special topics in American history. This course may be repeated when a new topic is offered.

HIST 250

Special Topics: Contemporary Issues in African American History

3 Credit Hours

This course will focus on contemporary issues in African American History with a emphasis on issues that have affected the African American Community from 2014-2024. There will be an in-depth exploration of contemporary issues such as educational inequities in the African American community, criminal justice reform, mental health crisis, educational inequities, economic inequality, workplace discrimination, and social justice and activism in the African American community.

HIST 251

Special Topics: Topics in European History

1 to 5 Credit Hours

This course focuses on special topics in European history. This course can be repeated when a different topic is offered.

HIST 252

Topics in Non-Western History

3 Credit Hours

This course focuses on special topics in Non-Western history. Course may be repeated when a different topic is offered.

HIST 253

Special Topics: History

1 to 4 Credit Hours

This course will explore important topics of global, comparative or thematic significance. Course may be repeated when a new topic is offered.

HIST 325

Modern Germany

3 Credit Hours

Pre/Corequisite: P (RQ) HIST-200 or instructor consent

This course further develops students' understanding of the formation of the modern German nation and its role in contemporary global politics, economics, and culture. Students will analyze historiographic debates in German history, including those over the causes of the First World War, the place of the Holocaust, and the role of German colonialism in shaping modern German politics, culture, and society. Offered as needed.

HIST 348
Issues in History

3 Credit Hours

This course includes selected topics in history developed through analytical and interpretive readings. Course may be repeated when a new topic is offered.

HIST 351
Colonial Legacy in Africa

1 to 6 Credit Hours

Pre/Corequisite: P (RQ) HIST-200 3 credit hours in History
 The course examines western colonial rule in Africa and Asia during the 19th and 20th centuries, as well as the legacy of colonialism in the decades since decolonization. It explores the motives behind colonization, the ways in which colonial rule altered or left unchanged pre-existing social, political, economic, and cultural structures, and the challenges that confronted new nations upon independence. The course rejects the ideological presuppositions that underpin much of the literature on "postcolonial studies" and in favor of a balanced appraisal of the positive and negative aspects of the colonial legacy. Offered spring even years.

HIST 370
Field Experience

3 to 9 Credit Hours

The course is for students who perform internships, work for government agencies, archives, museums, libraries and historical societies, or present an off-campus experience judged by the faculty advisor and division director to be of significant value in history education. Junior/senior standing and instructor's consent.

HIST 395
Senior Seminar

3 Credit Hours

Pre/Corequisite: P (RQ) HIST-200 plus one 300 level History course and senior standing in History or History Education
 This course is an opportunity for students to demonstrate, refine and consolidate knowledge of skills and content acquired during their previous years of study. It is a collaborative as well as a culminating learning experience that permits students to pursue individual research projects and submit them to their peers. The seminar will center upon a topic to be determined by the instructor. Offered spring.

HONORS COURSES

HONOR 150
Honors English Seminar

3 Credit Hours

This course emphasizes critical reading, thinking, and writing, honing students' skills in composing well-reasoned academic arguments. The instructor will assign selected readings related to the current Honors Seminars' theme, which will provide the subject matter for student writing. NOTE: Satisfies English 120 requirement in, General Education curriculum.

HONOR 151
Honors Philosophy Seminar

3 Credit Hours

This course is an introduction to philosophical thinking, analysis and argument, incorporating examination of primary philosophical texts concerned with ethical and/or political issues. Course readings will be selected to address the Honors Program theme. NOTE: Satisfies Philosophy 140 or Philosophy 150 requirement in General Education curriculum.

HONOR 155
Honors Communication

3 Credit Hours

This course is an Honors introduction to the theory and practice of public speaking. Students will develop skills that enable them to present themselves and their ideas in an effective manner. Satisfies COMM 101 requirement in General Education curriculum.

HONOR 210
Honors Social Science

3 Credit Hours

This course is a Social Science seminar focused on a topic in one of the following disciplines: anthropology, criminal justice, international studies, political, science, psychology and sociology. It will include exposure to quantitative and/or qualitative research methods. NOTE: May satisfy two General Education requirements.

HONOR 220
Honors History

3 Credit Hours

This seminar is designed for Honors students that will immerse students in the exploration of a historical topic. The course may focus on politics, and economic developments and cultural and social beliefs and practices. NOTE: May satisfy two General Education requirements in Level II History.

HONOR 231
Honors Literature and Fine Arts

3 Credit Hours

This course is a seminar designed for Honors students. Students will develop skill and imagination in the creation or analysis of literary and/or arts media. Note: May satisfy two General Education requirements.

HONOR 235
Honors Philosophy

3 Credit Hours

This course is a seminar focusing on the philosophical pursuit of questions about who we are and how it is that we may find meaning in the world.

HONOR 240
Honors Religious Studies

3 Credit Hours

This seminar is designed for Honors students and fosters critical and informed perspectives on religion and religious traditions.

HONOR 245**Honors Natural Science**

3 Credit Hours

This course is a seminar designed for Honors students in which questions about life and/or the material substances that make up our physical and biological world are pursued through experimental research and scientific methodologies. NOTE: Satisfies a Life Science and a Physical Science.

HONOR 310**Honors Contract Course**

0 Credit Hours

This course is a co-requisite to a designated regular course at the 200- or 300-level. Working with the professor of record, the student will develop a contract specifying focused additional study within the course. The contract must be approved by the program director and the Honors program director.

HONOR 320**Honors Interdisciplinary Seminar**

3 Credit Hours

This interdisciplinary seminar attempts to integrate topics, issues or questions from the first two years of Honors study. Students will apply theory and research-based knowledge from two or more disciplines to develop an integrated understanding of a complex topic. NOTE: Satisfies GE Level II credit in the two disciplines featured in the seminar topic.

HONOR 350**Honors Field Work**

0 to 3 Credit Hours

The course is designed to give students an opportunity to gain hands-on, individualized experience in students' areas of academic and professional interest. Students develop professional skills and knowledge and develop materials for job-seeking or graduate school applications. Open to all Honors students and non-Honors students with faculty recommendation.

HONOR 352**Honors Senior Capstone Project I**

1 to 3 Credit Hours

This individual faculty mentored research and writing course is designed to help students successfully pursue and complete their capstone creative or research projects. Periodic class meetings to monitor project progress and reinforce Capstone Project standards and expectations. NOTE: Required for all Honors students. A Capstone Project Proposal approved by the faculty mentor and Honors Program Director is required prior to registering.

HONOR 353**Honors Senior Project II**

1 to 3 Credit Hours

This course is a continuation of HONOR 352 in which students complete the Capstone Project.

LATINO STUDIES**LS 101****Introduction to Latino Studies**

3 Credit Hours

This course will focus on the core concepts of Latino/Latin American studies: the historical development of Latino regions of the United States as well as the cultural experience and artistic voices of Latino communities in the United States. This course is taught in English. Offered fall.

LS 250**Latino Literature**

3 Credit Hours

This course studies the major trends, genres, works, themes and writers associated with the Latina/o/Hispanic cultural heritage of the U.S.A., from pre-national days to the 21st century. This course is taught in English. Offered as needed.

LS 260**Special Topics: Latino/a Gender, Sexuality and Sexual Orientation**

3 Credit Hours

This course focuses on theories and debates surrounding the gendered and sexualized dimensions of Latinas/os in the U.S., including how they understand and negotiate their experiences and sense of self related to gender, sexuality, and sexual orientation. It explores femininity; marianismo; masculinity; machismo; family; desire; sexual behavior, work, and violence; and pop culture representations. Offered as needed.

LS 390**Independent Research in Latino Studies**

1 to 3 Credit Hours

This course offers students an opportunity to engage in and receive credit for the following activities: Travel abroad, directed research or a Senior Seminar from any major where the instructor and L/LAS director agree upon an appropriate and related project. Students should work with the Latino studies program director and consult with current course and program offerings to determine which option best suits their needs and interests. Offered as needed.

MANAGEMENT**MGMT 223****Legal Environment**

3 Credit Hours

The Legal Environment of Business is the study of the history and development of the judicial system and the creation of the various administrative agencies that affect the legal environment of business. Principles of labor-management, consumer and antitrust and environmental law are discussed and analyzed through the use of cases and problems. Special emphasis is placed upon the impact of administrative law in the world of business.

MGMT 310**Introduction to Hospitality Management**

3 Credit Hours

Introduction to Hospitality Management is designed to provide students with an overview of the hospitality industry including, restaurant, lodging, meeting planning, and conventions. Students are provided with a broad exposure to one of the largest and fastest-growing industries. Students leave the course with an understanding of the career opportunities available in the industry, a realization of the challenges faced by professionals in the industry, a knowledge of the current operating procedures, and the functions of management in the hospitality and tourism industry. Students who complete the course can receive a professional certification in hospitality management from the American Hotel and Lodging Educational Institute.

MGMT 311**Customer Service for Hospitality and Tourism**

3 Credit Hours

This course provides a dynamic and high impact as it provides students with practical skills to operate hospitality organizations. Key topics in the course include food and beverage management, customer service, staffing and operational organization, company culture building, and managing service encounters with the importance of service recovery. Students who complete the course can receive two professional certifications in Customer Service and Food and Beverage Management from the American Hotel and Lodging Educational Institute.

MGMT 312**Meetings, Expositions, Events and Conventions Planning**

3 Credit Hours

This course has been designed to introduce students to the meetings, expositions, events and conventions industry from an entrepreneur's perspective. This course leads students through a portfolio building process in which students learn how to apply for a FEIN (federal tax identification number) and a municipal business license. Students also learn how to complete an RFP (request for proposal for business funding). Students will also obtain the Illinois Basset Safe Alcohol Service License from the Illinois Liquor Control Commission, the National Restaurant Association ServSafe Sanitation Food Managers License, and the NRA Customer Service Certification.

MGMT 313**Hotel and Lodging Management**

3 Credit Hours

Students are introduced to all the components that comprise hotel, or other lodging, operations. Students learn skills that allow them to focus on several key departments in a hotel operation including the front office, back office, housekeeping, guest safety, and organizational security. Students also learn about the classifications of hotels; the direct and indirect economic impact to the communities in which the hotels are located. Students learn the duties of a full-service hotel general manager as well as how to lead a team of sales and staff members. Students who complete this course will receive a

professional certification in Hotel Front Office Management from the American Hotel and Lodging Educational Institute.

MGMT 330**Diversity in Organizations**

3 Credit Hours

This course addresses various aspects of diversity. The focus of the course is to help the students develop an ability to understand, respect, and value diversity. Through readings, discussions, and assignments, students learn how to apply best to management activities. Issues related to discrimination, affirmative action, career development, socialization and social change policies are explored. Historical, psychological, sociological, legal and managerial viewpoints are highlighted.

MGMT 344**Health Systems of the United States**

3 Credit Hours

This course is your introduction to the U.S. healthcare system and the practice of healthcare management. You will learn how the healthcare industry functions and explore the roles and impacts of its various parts. You will also have the opportunity to compare and contrast the U.S. healthcare system with those of other nations. By the end of this course, you will know the ins and outs of the American healthcare system. This online class features optional live sessions.

MGMT 345**Health Law and Ethics**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-223 and MGMT-380

This course is your overview of healthcare law in the United States. You will learn about the ethical and legal issues that healthcare providers and administrators are confronted with in the modern workforce. By the end of this course, you will understand how the legal environment shapes the medical profession and how to analyze and respond to a range of ethical and legal issues. This online class has optional live sessions.

MGMT 348**Healthcare Service Operations**

3 Credit Hours

This course is your introduction to healthcare operations. You will learn about operations and systems management with in the context of healthcare systems, how hospital supply chains work, and how to analyze operational processes to improve efficiencies. By the end of this course, you will know how to evaluate and optimize hospital processes. This online class has optional live sessions.

MGMT 349**Healthcare Strategy Capstone**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-345, MGMT-348, MGMT-370, BANA-346, and FINC-347

This course is the culmination of your work in the Healthcare Administration and Management program. You will learn to apply strategic thinking to healthcare management and complete a major project in which you propose a systemic change to a hospital or hospital system. By the end of this

course, you will have honed and improved your relevant skills and created a portfolio project to show future prospective employers. This online class has optional live sessions.

MGMT 355**Training and Development**

3 Credit Hours

Training and development are key to building an empowered and motivated workforce. This course will help you build knowledge and skill in the design, development, delivery, and evaluation of organizational training. You will also learn how to create effective performance improvement programs, a vital resource in talent retention that is often overlooked. Lastly, you will get hands on experience, by producing your own sample training plan.

MGMT 356**Total Compensation Management**

3 Credit Hours

Great people power great businesses, but attracting and retaining top talent requires companies to offer competitive compensation packages. This course will help you develop knowledge and skills in the development and evaluation of pay structures and benefits packages. You will also learn how total compensation issues affect every manager in an organization and analyze processes and procedures to create effective compensation plans.

MGMT 357**Employment and Labor Law**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-370

This course is an overview of laws and regulations that determine the rights and obligations of employees and employers. You will learn about the nature of the employment relationship, common law principles, prohibitions against discrimination, wage law, specific governmental acts, and other areas of labor and employment law. By the end of this course you will become familiar with the federal and state laws that govern employment. This online class features optional live sessions.

MGMT 358**Human Resource Risk Management**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-355 and MGMT-357

This course will examine the scope and role of HR in the occupational health and safety arena, the fundamental components of comprehensive programs and, more importantly, the interplay between these considerations and how important HR professionals are in their success. Topics covered include OSHA requirements, risk management and loss prevention, management of safety and workers' compensation, employee assistance plans, preventative health issues, emergency response and preparedness, and developing a culture of safety, amongst others. There will be focus on the fundamental components of a comprehensive health and safety program to protect the employees in an organization and costly liability.

MGMT 364**Entrepreneurship**

3 Credit Hours

This class addresses the unique entrepreneurial experience of conceiving, evaluating, creating, managing, and potentially selling a business. The goal is to provide a comprehensive understanding of how to design and launch a business. The course relies on classroom discussion, participation, guest speakers, case analysis, the creation of a feasibility plan, and the building a business plan to develop a strategy for launching and managing a business.

MGMT 366**Relationship Driven Professional Selling**

3 Credit Hours

This course will not just teach you about selling, it will teach you how to sell. This experiential learning-based course will provide you with best practice models of selling. It will cover selling from prospecting through relationship building, and through the use of role-plays and other experiential activities. It will equip the student with the fundamental knowledge, skills, and attitudes necessary to succeed in a professional selling position.

MGMT 367**Negotiation in Business and Sales**

3 Credit Hours

You may not realize it, but negotiations are a constant part of life. In business, negotiations are key parts of a corporation's strategy. In your personal life, negotiations play the same role - you negotiate which movie to watch with your friends or what apartment to rent with your partner. This course will introduce you to the concepts behind negotiation and provide opportunities to practice and develop your own negotiation style. This online class has optional live sessions.

MGMT 368**Sales Leadership**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-366

Effective sales leadership requires a mastery of the "hard" analytical skills as well as the "soft" skills for effective management and coaching. This course will explore key sales and management concepts, and give you the opportunity to put them into practice. By the end of this course, you will be able to coach salespeople and excel as a sales leader. This online class has optional live sessions.

MGMT 369**Advanced Relationship Driven Professional Selling**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-366

You have already learned the fundamentals of effective selling. This course will help you hone your sales skills and take them to the next level by teaching you how to think through the sales process as a master planner, listener, negotiator and partner. By the end of this course, you will have mastered the skills necessary to be a compelling and credible salesperson. This online class has optional live sessions.

MGMT 370**Organizational Behavior**

3 Credit Hours

Pre/Corequisite: P (RQ) BUSP-101 unless Transfer Student
The class material will include theory, research, and practical application of Organizational Behavior (OB) in organizations. OB is the study of how individuals, groups and workplace contexts impact behavior within an organization. The goal of OB is to understand, predict, and influence employee attitudes and behavior in order to improve organizational effectiveness. Topics include: personality differences, work motivation, leadership, influence processes and group dynamics.

MGMT 375**Forecasting and Logistics**

3 Credit Hours

Pre/Corequisite: P (RQ) BANA-320

Have you ever wondered how that Amazon package arrived at your door so quickly? Supply chain management is the process by which organizations get us the products we consume, and companies need talented employees to help optimize their supply chain. This course will teach you how to use forecasting techniques to match supply and demand, and how to develop logistics networks that help minimize costs and deliver top customer service. This online class has optional live sessions.

MGMT 376**Sourcing and Operations**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-375

In today's modern economy, something as simple as a razor might be manufactured in multiple countries with each part coming from a different supplier. This course will teach you how businesses manage this increasing complexity behind the scenes through efficient sourcing of suppliers and operations. You will have the opportunity to apply this knowledge by conducting a real-world case study of a product of your choosing. This online class has optional live sessions.

MGMT 377**Supply Chain Capstone**

3 Credit Hours

Pre/Corequisite: P (RQ) MGMT-376

This course - built in collaboration with corporate advisors - is the culmination of your work as a student of supply chain management. In this course you will be tasked with creating a series of solutions to actual problems faced by a real-world company in delivering their product to consumers. By the end of this course, you will have built experience in solving real-world supply chain problems and seeing how your solutions compare to the professionals. This online class has optional live sessions.

MGMT 378**Supply Chain Management Technologies**

3 Credit Hours

This course covers the major relevant supply chain technologies and systems. In this course you will survey the systems that enable the supply chain in best-in-class supply chain organizations. Understanding of how information flows throughout the supply chain is critical to managing a supply

chain and this will be the main focus in this course. By the end of this course, you will have gained a basic understanding of how supply chain systems work and how they make the supply chain more efficient and effective. This online class has optional live sessions.

MGMT 379**Supply Chain in Action**

3 Credit Hours

Everything from the best concert you saw, to your Covid-19 vaccine relies on the existence of effective supply chains. In this course, you will learn about the application of supply chain systems to vital real-world functions. By the end of this class, you will have a much better understanding why supply chain management is vitally important, how it intersects with business, national and global interest, and how supply chains literally save the world. This online class has optional live sessions.

MGMT 380**Business, Ethics, and Society**

3 Credit Hours

Students develop an understanding of the interrelationship and interaction of society, business, and government at national and international levels. Students develop the ability to recognize the importance of ethics in business, and society. The class will focus on allowing students to develop an understanding of ethical concepts and philosophical principles as they relate to business.

MGMT 390**Business Strategy**

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-211, BANA-320, MKTG-300, FINC-300,

This course teaches students how to identify and analyze opportunities as well as to solve problems in business situations. Students will be required to apply knowledge, techniques, and skills learned in core business courses. Topics include evaluating environmental changes important to a particular business, business analysis, identifying and applying generic business strategies such as Porter's five forces.

MARKETING**MKTG 300****Principles of Marketing**

3 Credit Hours

This course is a basic foundation of marketing principles. The course will provide practical, marketing application exercises through which students apply newly learned marketing concepts to realistic situations. Topics covered will include: ethics, issues in the process of planning and executing the conception, pricing, promotion and distribution of ideas, goods and services.

MKTG 311**Achieving Service Excellence**

3 Credit Hours

This course explores services marketing not only as an essential focus for service firms, but also as a competitive

advantage for companies that market tangible products. Examples feature businesses from industries within and beyond the nine-service economy super sectors, e.g., education and health services, financial activities, government, information, leisure and hospitality, and transportation and utilities. Cutting-edge data addresses current issues such as sustainability, technology, and the global market, giving students valuable insights for business success.

MKTG 350

Digital Marketing

3 Credit Hours

Pre/Corequisite: P (RQ) MKTG-300

The course provides an overview of e-business strategies, electronic marketing strategies, and the integration of Internet-based business and marketing communications strategies. The course also reviews the evolving world of social media and consumer-created content.

MKTG 351

Digital Commerce

3 Credit Hours

This course is designed to help students develop a comprehensive plan for implementing a digital retailing business. Key areas covered in this course include: fundamentals of online store planning and design, creating a professional website using the Wix platform, online marketing, and the importance of online business strategies (e.g. marketing, entrepreneurship). This course culminates in students launching an online store that serves as their capstone project. Emphasis is on understanding of digital technologies (e.g. customer relationship management, SEO, product metrics) and critically evaluating their influence, particularly on digital merchandising strategies. There is an option to submit top student sites for potential Wix Certification, detailed in the capstone project instructions.

MKTG 355

Social Media Marketing

3 Credit Hours

Pre/Corequisite: P (RQ) MKTG-300

This course introduces students to social media. Students learn various forms of social media, how consumers and businesses use social media, and how social media transforms marketplaces. Students will become familiar with a range of social media tools, analysis techniques, and be able to discuss their usage in business.

MKTG 361

Digital Marketing Research and Metrics

3 Credit Hours

Students will learn to be effective marketers through using analytical tools to measure and implement digital strategies. Students will gain experience managing online marketing budgets, identifying ROI of online marketing, targeting online consumers, and measuring online consumer behaviors (website hits, social media posts, online engagement etc...).

MKTG 380

Marketing Strategy

3 Credit Hours

Pre/Corequisite: P (RQ) MKTG-300

Marketing Strategy is designed to help students understand and analyze the strategic planning process as it relates to contemporary business organizations. Students will learn how to critically analyze the task of marketing within a firm, industry and society. Emphasis is placed on identifying and analyzing areas of the marketing mix and how they relate to the strategic goal and objectives of an organization, identifying major marketing problems and evaluating marketing decisions/strategies as they relate to the strategic plan of an organization.

MATHEMATICS

MATH 105

Liberal Arts Mathematics

3 Credit Hours

This course is designed to increase an awareness of and an appreciation for mathematics as a mode of non-literary communication. The student will be introduced to topics selected from, but not limited to: algebra, geometry, calculators and computers, probability and statistics, the mathematics of social choice, management science, growth and symmetry and the mathematics of finance. The TI-83 plus or TI-84 plus graphing calculator is required. NOTE: Credit hours CANNOT be earned for this course if the student is concurrently enrolled or has previous credit for any mathematics course numbered above 105.

MATH 110

Geometry for Art and Design

3 Credit Hours

This course will develop students' quantitative reasoning skills through exploration of geometric measurement, formulas, and visualization in 2D and 3D. Topics include mathematical representation, interpreting models, drawing inferences, estimating for reasonableness, finding patterns, proving generalizations. Work of relevant artists will be studied to make connections with geometric concepts.

MATH 112

College Algebra

3 Credit Hours

Topics for this course include a problem-solving approach to the study of polynomial, rational, exponential and logarithmic functions, graphs, models, complex numbers, and conic sections. The graphing calculator is an integral part of this course. The TI-83 plus or TI-84 plus graphing calculator is required.

MATH 113

Trigonometry

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-112 with a grade of C or better
Topics for this course include trigonometric functions and their inverses, identities, trigonometric equations, formulas and solving triangles. The TI-83 plus or TI-84 plus graphing calculator is required.

MATH 121**Mathematics Content for Elementary Teachers I**

3 Credit Hours

This course explores the underlying structure and basis for the mathematics taught in elementary school. Topics include functions, patterns and problem solving, numeration, operations on natural numbers, whole numbers and integers, rational numbers, number theory, and fraction models and operations. The TI-83 plus or TI-84 plus graphing calculator is required. Offered fall.

MATH 122**Mathematics Content for Elementary Teachers II**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-121 with a grade of C or better

This course explores the underlying structure and basis for the mathematics taught in elementary and middle school.

Topics include rational and irrational numbers, real numbers, measurement, geometry and probability. The TI-83 plus or TI-84 plus graphing calculator is required. Offered spring.

MATH 132**Business Statistics**

4 Credit Hours

Topics for this course include collecting, organizing, analyzing and interpreting data with an emphasis on business applications, descriptive statistics, sampling, probability, probability distributions, estimation, hypothesis testing, introduction to linear regression, and correlation analysis. Excel software is used throughout the course. The TI-83 plus or TI-84 plus graphing calculator is required. NOTE: Credit will not be granted for both MATH 132 and MATH 135.

MATH 135**Introduction to Statistics**

4 Credit Hours

Topics for this course include collecting, organizing, analyzing and interpreting data with emphasis on a wide range of applications, descriptive statistics, sampling, probability, probability distributions, estimation, hypothesis testing, introduction to linear regression, and correlation analysis. Statistical software is used throughout the course. The TI-83 plus or TI-84 plus graphing calculator is required. NOTE: Credit will not be given for both Math 135 and Math 132.

MATH 200**Introduction to Discrete Mathematics**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-112 with a grade of C or better or placement

Topics for this course include number systems, set theory, logic, methods of proof, combinatorics, relations and functions, algorithms, recursion, and the Fibonacci sequence. The TI-89 graphing calculator is required.

MATH 201**Calculus with Analytic Geometry I**

4 Credit Hours

Pre/Corequisite: P (RQ) MATH-113 with a grade of C or better or placement and C (RQ) MATHL-201 and E (RM) MATH-200

Topics for this course include review of: algebraic and trigonometric functions and their graphs, absolute value and inequalities, the concepts of limit and continuity, theory and techniques of differentiating and integrating algebraic and trigonometric functions and applications of differentiation. Maple software is used throughout the course. The TI-89 graphing calculator is required.

MATHL 201**Calculus Lab**

0 Credit Hours

Pre/Corequisite: E (RQ) MATH-201

MATH 202**Calculus with Analytic Geometry II**

4 Credit Hours

Pre/Corequisite: P (RQ) MATH-201 with a grade of C or better and E (RQ) MATHL-202

Topics for this course include: derivatives and integrals of transcendental functions, indeterminate forms, improper integrals, techniques and applications of integration, numerical integration, conic sections, parametric equations and polar coordinates. Maple software is used throughout the course. The TI-89 graphing calculator is required. Offered spring.

MATHL 202**Calculus Lab**

0 Credit Hours

Pre/Corequisite: E (RQ) MATH-202

MATH 203**Calculus with Analytic Geometry III**

4 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better

Topics for this course include: vectors and vector calculus, analytic geometry in three-space, differentiation of functions of several variables, multiple integration and applications. Maple software is used throughout the course. The TI-89 graphing calculator is required. Offered fall.

MATH 211**Linear Algebra**

4 Credit Hours

Pre/Corequisite: P (RQ) MATH-200 with a grade of C or better and E (RQ) MATH-202

This course includes elementary concepts of linear algebra, systems of linear equations, vectors and matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors and applications. Maple software is used throughout the course. The TI-89 graphing calculator is required. Offered spring.

MATH 301**Advanced Calculus**

4 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better
Topics for this course include: convergence, sequences, indeterminate forms, improper integrals, infinite series, Taylor and Fourier Series, applications, functions defined by integrals, the gamma and beta functions. Maple software is used throughout the course. The TI-89 graphing calculator is required. Offered spring.

MATH 303**Differential Equations**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better and C (RQ) MATH-301

Topics for this course include: differential equations of first order, second order and higher order linear differential equations, non-homogeneous equations; power series solutions to linear differential equations, numerical methods for solving linear and nonlinear differential equations. Maple software is used throughout the course. The TI-89 graphing calculator is required. Offered spring.

MATH 305**Probability and Statistics I**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-203 MATH-301 with a grade of C or better

Topics for this course include: exploratory data analysis, geographical techniques, measures of central tendency and variability, concepts of probability, Bayes' Rule, Expected Value, discrete distributions, continuous distributions, moment generating functions, and joint probability densities. The use of Minitab statistical software is included. The TI-89 graphing calculator is required. Offered fall.

MATH 306**Probability and Statistics II**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-305 with a grade of C or better
This course is a continuation of MATH 305 concerned with sampling distributions, confidence intervals and hypothesis testing (one sample, two sample, means, proportions, variances, chi-square), linear regression and correlation, with an emphasis on both theory and applications. The use of Minitab statistical software is included. The TI-89 graphing calculator is required. Offered spring.

MATH 307**Modern Geometry**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better, ENGL-120

Topics for this course include: the foundations of geometry as a mathematical system, elementary logic, advanced constructions, historical background and basic concepts of finite and infinite Euclidean and non-Euclidean geometries; cross ratio, affine and projective planes; the theorems of Ceva, Menelaus, Desargues, Pascal and Pappus.

MATH 308**History of Mathematics**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better ENGL-120

This course provides historical perspective of the development of mathematics with emphasis on the multicultural dimension from ancient to modern times. Students will do problems in the methods of the ancients and compare to modern solutions and learn to appreciate mathematics as a product of human effort. Historical development of calculus and other modern mathematical areas will be studied.

MATH 309**Abstract Algebra I**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-211 with a grade of C or better

Topics for this course include: integers, groups, subgroups, cosets, homomorphisms, permutation groups, rings, subrings, integral domains and fields.

MATH 313**Partial Differential Equations**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-203 with a grade of C or better MATH-303 with a grade of C or better

Topics for this course include: Partial differential equations of first order and second order, heat equations, wave equations, Laplace equations in one and in higher dimensions, homogeneous and inhomogeneous cases, and applications. Offered as needed.

MATH 314**Integral Equations**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better
Topics for this course include: Fredholm integral equations, Volterra integral equations, Integro-differential equations, Singular integral equations, First and second kind integrals. Offered as needed.

MATH 315**Numerical Analysis**

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a grade of C or better
Topics for this course include: iterative solutions to non-linear equations, Newton-Raphson and secant methods, numerical solutions of ODEs, numerical integration methods, interpolation and curve fitting. Maple software is used throughout the course. The TI-89 graphing calculator is required. Offered as needed.

MATH 321**Discrete Methods**

3 Credit Hours

Pre/Corequisite: P (RQ) Math-200 with a grade of C or better
Topics for this course may include some of the following: Euler and Hamilton circuits, graph coloring, matching theory, applied combinatorics, mathematical induction, equivalence relations and congruence classes, recurrence relations, generating functions and applications. Student presentations and lab

projects (both group and individual) are an integral part of this course. The TI-89 or TI-83 plus graphing calculator is required. Offered as needed.

MATH 331

Theory of Interest

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-202 with a C or better

Topics for this course include: compound interest, annuities, bonds, measurement of mortality, life annuities, life insurance, premiums and reserves. A financial calculator is required for this course. Offered every other spring.

MATH 336

Real Analysis

3 Credit Hours

Pre/Corequisite: P (RQ) MATH-301 with a grade of C or better

This course is intended to deepen and broaden students' knowledge of the theory of calculus. Topics for this course include: properties of real numbers, sequences and series, continuity, differentiation, integration, metric spaces and topology.

MATH 350

Selected Advanced Topics in Mathematics Education

1 to 3 Credit Hours

Courses offered on an occasional basis devoted to select advanced mathematical education topics. Offered as needed.

MATH 351

Methods of Teaching Middle Level (Grades 5-8) Mathematics

3 Credit Hours

Focal points include principles, standards, current issues, implications of research, and resources and instructional methods related to the teaching and learning of middle level (grades 5-8) mathematics. Offered fall.

MATH 360

Selected Topics in Advanced Mathematics

1 to 3 Credit Hours

Possibilities include: real analysis; complex analysis; number theory; topology; transform methods; partial differential equations; integral equations, Abstract Algebra II; Differential Geometry. Prerequisite: See the division director. Offered at least once each academic year.

MATH 375

Methods of Teaching Mathematics, Grades 9-12

3 Credit Hours

Pre/Corequisite: P (RQ) at least 30 hours in the mathematics major and P (RQ) MATH-301

Focal points include: principles, standards, current issues, implications of research, and resources and instructional methods related to the teaching and learning of secondary (grades 9-12) mathematics. 30 clinical hours. Offered fall.

MATHL 375

Secondary Mathematics edTPA Workshop

0 Credit Hours

Pre/Corequisite: C (RQ) MATH-375

Students will complete activities for Task 1 Planning for Mathematics Instruction and Assessment, Task 2 Instructing and Engaging Students in Learning, and Task 3 Assessing Student Learning. Topics include: lesson planning for a learning segment, development of assessments, analysis of mathematical language and facilitation of conceptual understanding, procedural fluency, mathematical reasoning and problem-solving skills in the mathematics classroom. Offered fall.

MATH 390

Internship

1 to 12 Credit Hours

For students who perform internships and/or present an off-campus experience judged by the faculty advisor and division director to be of significant value in mathematical studies. Offered as needed.

MATH 399

Senior Seminar

1 Credit Hour

Pre/Corequisite: P (RQ) Senior standing and program consent

The purpose of the Senior Seminar is to provide a culminating experience in mathematics for Mathematics majors, Actuarial Science majors, and Mathematics with Secondary Education majors. The student will conduct research on an advanced topic with guidance from a faculty mentor, prepare a paper, prepare a poster and give a presentation based on the research to faculty and students of the program. The student is expected to attend all presentations given during the semester.

MIDDLE EASTERN STUDIES

MES 150

Middle Eastern American Issues

3 Credit Hours

This is an introductory research course which explores a variety of issues related to Middle Eastern Americans, mainly Arab Americans, such as immigration, population growth, cultural diversity and political involvement.

MES 240

Chicago's Arab Americans

3 Credit Hours

This course will explore the immigration, geographic trends, and historical settlement of the Arab community in the greater Chicagoland area. Topics will include the diversity, identity, demographics, cultural traditions, norms and practices of the Arab American community.

MES 260

Special Topics

3 Credit Hours

This course focuses on special topics in Middle Eastern studies. This course may be repeated when a new topic is offered.

MES 265

Middle East and North African (MENA) Cultures

3 Credit Hours

*Formerly Middle Eastern Cultures. The Middle East is built on a magnificent legacy of civilizations dating back to ancient times. Today, the Middle East continues to offer the world a rich cultural contribution. This course explores the peoples and cultures of the Middle East and offers an anthropological understanding of the diversity in the Middle East by examining societal differences in cultural practices, male-female relations, music, literature, kinship systems, religions and traditions, history and heritage, ethnic minorities, social identity and social change. This course will also analyze the impact of colonialism and imperialism on the contemporary political and group conflicts among the various peoples of the Middle East.

MES 360

Special Topics in Middle Eastern Studies

3 Credit Hours

This course focuses on special topics in Middle Eastern studies. This course may be repeated when a new topic is offered.

MES 380

Middle East Related Internship/ Field Experience

3 Credit Hours

Pre/Corequisite: P (RQ) ANTH-101 or MES-265

This course is for students who perform internships, work for Middle East related NGO's, cultural organizations and museums or present an off-campus experience (national or international) judged by the program director to be of significant value in Middle East Studies. Prerequisite: consent of Program Director.

MUSIC

MUS 100

Fundamentals of Music Theory

3 Credit Hours

This class introduces rudiments of music theory for those with little or no musical background. The fundamentals of basic music notation of melody, rhythm and harmony including the recognition and construction of intervals, scales and triads are presented. This course does not fulfill a Music major/minor course requirement.

MUS 101

Music Theory I

3 Credit Hours

The study of traditional diatonic tonal materials and standard notational practice including the development of part-writing and analytical skills. NOTE: This course must be taken concurrently with MUS-151, MUSLB-151, MUS-161 and MUSLB-161. Offered fall.

MUS 102

Music Theory II

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-101

Continuation of MUS 101 leading to elementary modulation. Offered spring. NOTE: This course must be taken concurrently

with MUS-152, MUSLB-152, MUS-162, MUSLB-162 and MUS-152. Offered spring.

MUS 103

Vocal Technique

3 Credit Hours

Fundamentals of correct voice production for vocal majors as well as general student population with an interest in building good singing technique. Course includes the study of anatomy and physiology of the voice, basic International Phonetic Alphabet application, classical voice categorization, appropriate stage deportment and attendance at three vocal concerts. This course is a prerequisite for private voice lessons. Offered fall. NOTE: 5 clinical observation hours required for music education majors.

MUS 104

Guitar Class I

3 Credit Hours

This course is an introduction to basic playing skills for classical guitar. Students will study basic music notation (pitch and rhythm) primary chord structures and pick and strum patterns. Individual and small group activities will be used to enhance student learning.

MUS 107

Class Piano

3 Credit Hours

An introduction to the rudiments of piano playing. Concepts studied include music fundamentals, rhythms, note reading and basic technique.

MUS 115

Introduction to Music

3 Credit Hours

A survey course intended to develop listening skills and understanding of the basic elements of music and sensitivity to the aesthetic experience. Students are required to attend live concerts on and off-campus.

MUS 131

Rock 'n' Roll: An Introduction

3 Credit Hours

Introductory course on the history of rock 'n' roll beginning with the roots of rock to the present day. Coursework will include lecture, discussion and field trips. Students attend musical performances together as a class to share and discuss this common musical experience. There is a ticket fee attached to enrollment in this course. Offered fall.

MUS 133

Music Production Techniques

3 Credit Hours

Students will create music using the digital audio workstation and audio tools of Ableton Live. Students will compose, produce, record, mix and master original composition. Students will learn about all elements of music (melody, rhythm, harmony, and form) as they learn to construct and deconstruct music from the perspective of a music producer.

MUS 138**History of Jazz**

3 Credit Hours

An introductory survey course examining the historical development, traditions, and artists of jazz music from its origins to the present day. Coursework will include lecture, discussion and music listening (recorded and live). Students attend musical performances together as a class to share and discuss this common musical experience. There is a ticket fee attached to enrollment in this course. Offered spring.

MUS 144**Vocal Methods (for Instrumental Majors)**

1 Credit Hour

Pre/Corequisite: E (RQ) MUSLB-144

An introductory course focusing on the methods of singing. Course includes the study of anatomy and physiology of the voice, basic International Phonetic Alphabet application, classical voice categorization, appropriate stage deportment and attendance at three vocal concerts. Students will learn the fundamentals of correct voice production and diction. Offered fall even years. NOTE: 5 clinical observation hours.

MUS 145**Brass Methods**

1 Credit Hour

Pre/Corequisite: E (RQ) MUSLB-145

An introductory course focusing on the methods of teaching beginning brass instruments. Students will learn proper playing techniques for all the major instruments of the brass family, in addition to studying appropriate method books for teaching beginning brass students at the elementary, junior and senior high school levels. Offered spring odd years. NOTE: 5 clinical observation hours.

MUS 146**Percussion Methods**

1 Credit Hour

Pre/Corequisite: E (RQ) MUSLB-146

An introductory course focusing on the methods of teaching beginning percussion instruments. Students will learn proper playing techniques for all the major instruments of the percussion family, in addition to studying appropriate method books for teaching beginning percussion students at the elementary, junior and senior high school levels. Offered fall odd years. NOTE: 5 clinical observation hours.

MUS 147**String Methods**

1 Credit Hour

Pre/Corequisite: E (RQ) MUSLB-147

An introductory course focusing on the methods of teaching beginning string instruments. Students will learn proper playing techniques for all the major instruments of the string family in addition to studying appropriate method books for teaching beginning string students at the elementary, junior and senior high school levels. Offered spring even years. NOTE: 5 clinical observation hours.

MUS 148**Woodwind Methods**

1 Credit Hour

Pre/Corequisite: E (RQ) MUSLB-148

An introductory course focusing on the methods of teaching beginning woodwind instruments. Students will learn proper playing techniques for all the major instruments of the woodwind family in addition to studying appropriate method books for teaching beginning woodwind students at the elementary, junior and senior high school levels. Offered fall even years. NOTE: 5 clinical observation hours.

MUS 151**Aural Skills I**

1 Credit Hour

This course involves the development of aural recognition skills by means of rhythmic, melodic and two-part dictation. Students will build fluency in sight singing through the use of drills, exercises and music of the common practice period and develop harmonic and multi-part awareness. Offered fall. NOTE: This course should be taken concurrently with MUS-151, MUSLB-151, MUS-161, and MUSLB-161. MUS-101 may be taken as a prerequisite or corequisite. Offered fall.

MUS 152**Aural Skills II**

1 Credit Hour

Pre/Corequisite: P (RQ) MUS-151

This course involves further development of aural recognition and production skills by means of rhythmic, melodic and harmonic dictation and sight singing. *Pre/Corequisite:* MUSLB-152, MUS-162, MUSLB-162. Offered spring.

MUS 161**Keyboard Skills I**

1 Credit Hour

The study of basic keyboard technique, treble and bass clef reading skills as applied to the keyboard and rudimentary keyboard harmony. *Pre/Corequisite:* MUSLB-152, MUS-162, MUSLB-162 Offered fall.

MUS 162**Keyboard Skills II**

1 Credit Hour

Pre/Corequisite: P (RQ) MUS-161

Continued study of basic technique, reading skills and keyboard harmony, including harmonization, transposition and simple modulation. *Pre/Corequisite:* MUSLB-162, MUS-152, MUSLB-152. Offered spring.

MUS 201**Music Theory III**

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-102

Further development of part-writing and analytical skills, including the introduction of chromatic harmony. *Pre/Corequisite:* MUS-251, MUSLB-251, MUS-261, MUSLB-261 Offered fall.

MUS 202

Music Theory IV

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-201

Continued study of chromatic harmony leading to contemporary techniques. *Pre/Corequisite:* MUS-252, MUSLB-252, MUS-262, MUSLB-262. Offered spring.

MUS 205

Italian/English Diction for Singers

2 Credit Hours

Principles of correct pronunciation/articulation of the Italian and English languages using the International Phonetic Alphabet for singing application. Offered spring even years.

MUS 206

German/French Diction for Singers

2 Credit Hours

Pre/Corequisite: P (RQ) MUS-205 or permission of instructor
Principles of correct pronunciation/articulation of the French and German languages using the International Phonetic Alphabet for singing application. Offered fall even years.

MUS 221

Foundations of Music Business

3 Credit Hours

Foundations of Music Business is a survey course that will examine elements of the music industry and provide a foundational understanding to the history, structure, and areas related to music. Topics will include history and current business trends, publications, copyrights laws in music, licensing, and promotion. This course will develop student's knowledge and skills to help understand common business practices related to the music industry. Students do not need to play an instrument for this course.

MUS 231

University Chamber Singers

1 Credit Hour

Students must demonstrate excellent vocal, sight-reading and intonation skills. Ensemble of 12 to 16 members chosen on the basis of vocal and musical ability. Will study and perform music chosen for at least one concert appearance. Open to general University students by audition. Laboratory 3. *Prerequisite:* Audition.

MUS 232

University Chorale

1 Credit Hour

Open to all interested University students, faculty and staff as well as community members who have appropriate choral experience and read music. Study and performance of sacred and secular repertoire, with at least one concert appearance each semester. Laboratory 3. *Prerequisite:* Audition.

MUS 234

University Band

1 Credit Hour

This ensemble functions as both the Marching Band and Concert Band for Saint Xavier University and is open to all interested students who play a band instrument. The SXU

Marching Band performs at all home football games during the fall semester. The ensemble comes indoors in November becoming the SXU Concert Band. Laboratory 3. *Prerequisite:* Audition.

MUS 235

Brass Ensemble

1 Credit Hour

This course is the study and performance of brass ensemble literature. It is open to all interested brass students of upper-intermediate to advanced level of playing. Laboratory 1.5. *Prerequisite:* Audition.

MUS 236

Chamber Music Ensemble

1 Credit Hour

This course is the study and performance of music for small ensembles. It is open to instrumentalists of upper-intermediate to advanced level of playing on any instrument. Laboratory 1.5. *Prerequisite:* Audition.

MUS 237

Flute Ensemble

1 Credit Hour

This course is the study and performance of flute ensemble literature. It is open to all interested flute students of upper-intermediate to advanced level of playing. Laboratory 1.5. *Prerequisite:* Audition.

MUS 238

Guitar Ensemble

1 Credit Hour

This course is the study and performance of guitar ensemble literature. It is open to all interested guitar students of upper-intermediate to advanced level of playing. Required for all guitar majors. Laboratory 1.5. *Prerequisite:* Audition.

MUS 239

Jazz Combo

1 Credit Hour

The Jazz Combo performs a wide variety of jazz combo literature. The course is open to all University wind, string, piano, and percussion performers of traditional jazz big-band instruments. Laboratory 1.5. *Prerequisite:* Audition.

MUS 240

Jazz Ensemble

1 Credit Hour

The Jazz Ensemble performs a wide variety of jazz ensemble literature that uses a standard big-band instrumentation. The course is open to all University wind, string, piano and percussion performers of traditional jazz big-band instruments. Laboratory 3. *Prerequisite:* Audition.

MUS 242

Opera Workshop

1 to 2 Credit Hours

This workshop is a staged and costumed production of scenes from (or the complete) opera, operetta or musical theater work as chosen by the director(s). Laboratory 4. Offered spring.

NOTE: Rehearsal time exceeds the one-credit class time commitment. Prerequisite: Audition.

MUS 243

Percussion Ensemble

1 Credit Hour

This course is the study and performance of percussion ensemble literature. It is open to all interested percussion students of upper-intermediate to advanced level of playing. Laboratory 1.5. Prerequisite: Audition.

MUS 244

Clarinet Ensemble

1 Credit Hour

The Clarinet Ensemble performs a wide variety of clarinet ensemble literature. The course is open to all interested clarinet students of upper-intermediate to advanced level playing proficiency. Laboratory 1.5. Prerequisite: Audition.

MUS 248

Saxophone Ensemble

1 Credit Hour

This course is the study and performance of saxophone ensemble literature. It is open to all interested saxophone students of upper-intermediate to advanced level of playing. Laboratory 1.5. Prerequisite: Audition.

MUS 249

String Ensemble

1 Credit Hour

This course is the study and performance of string ensemble literature. It is open to all interested string students of upper-intermediate to advanced level of playing. Laboratory 1.5. Prerequisite: Audition.

MUS 250

Special Topics: Music

1 to 4 Credit Hours

Topics in this course vary from semester to semester.

MUS 251

Aural Skills III

1 Credit Hour

Pre/Corequisite: P (RQ) MUS-152

This course is an advanced aural training in melodic, rhythmic and harmonic idioms. NOTE: This course must be taken concurrently with MUSLB-251, MUS-201, MUS-261, MUSLB-261 Offered fall.

MUS 252

Aural Skills IV

1 Credit Hour

Pre/Corequisite: P (RQ) MUS-251

This course is a continuation of MUS 251, including applications to contemporary music. NOTE: This course should be taken concurrently with MUSLB-252, MUS-202, MUS-262 and MUSLB-262 Offered spring.

MUS 259

Commercial Music Ensemble

1 Credit Hour

Students enrolled in Commercial Music Ensemble will be given the opportunity to authentically study, perform, arrange, and compose in the diverse styles of 21st century popular music. Students will explore a variety of genres, songs, and artists in popular, rock, funk, blues, R&B, folk, country, and more. The ensemble is open to all vocalists, guitarists, bassists, drummers, keyboardists, woodwinds, and brass instruments.

MUS 261

Keyboard Skills III

1 Credit Hour

Pre/Corequisite: P (RQ) MUS-162

This course offers a further study in keyboard harmony including some chromatic harmony. Basic ensemble and technical skills at appropriate levels are also included. NOTE: This course should be taken concurrently with MUSLB-261, MUS-201, MUS-251 and MUSLB-251 Offered fall.

MUS 262

Keyboard Skills IV

1 Credit Hour

Pre/Corequisite: P (RQ) MUS-261

This course focuses on more advanced skills in keyboard harmony, transposition, basic accompanying skills and technique at appropriate levels. Chromatic harmony and contemporary examples are emphasized. NOTE: This course should be taken concurrently with MUSLB-262, MUS-202, MUS-252 and MUSLB-252 Offered spring.

MUS 301

Form and Analysis

2 Credit Hours

Pre/Corequisite: P (RQ) MUS-202

This course is a comprehensive study of harmonic and formal structures and typical stylistic traits of 18th and 19th century music. Offered fall even years.

MUS 312

Vocal Pedagogy

3 Credit Hours

Pre/Corequisite: P (RQ) MUSAP-200

This course focuses on principles, techniques and materials for teaching singing in the private studio or classroom. The course includes in-depth study of anatomy and physiology of voice production as well as application of learned teaching skills in the pedagogy classroom and mentored teaching private practice. The course is required for vocal performance and music education/choral emphasis majors. Offered as needed. NOTE: 15 clinical hours required for Music Education majors.

MUS 314

Conducting

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-102

This course focuses on the development of conducting technique with emphasis on choral and instrumental applications. Offered fall odd years. NOTE: 5 clinical observation hours for music education students.

MUS 317

Music Literature - Voice - Art Song

3 Credit Hours

Pre/Corequisite: P (RQ) MUSAP-200

This course is a survey of art song literature for the voice from the Baroque period through the present day. The course is required for vocal performance majors and strongly recommended for music education/choral emphasis/vocal majors. Offered as needed. NOTE: Advanced standing in Applied Vocal Music.

MUS 330

Music History I: Medieval/Renaissance /Baroque

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-115

The study of the development of music in the Medieval, Renaissance and Baroque periods with an emphasis placed on the structure, styles, genre, composers and musical elements associated with these periods. This study will take place in the context of world history, religious, economic and social trends. Offered fall.

MUS 331

Music History II: Classical/Romantic Contemporary

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-115

The study of the development of music in the Classical, Romantic and Contemporary periods with an emphasis placed on aural and visual identification of musical scores in regard to their characteristics, structure and style. This study will take place in reference to world events: religious, economic, political and social. Offered fall odd years.

MUS 334

K-12 General Music

3 Credit Hours

This course teaches students how to plan, implement, and evaluate a comprehensive general music program. Students will acquire a varied pedagogical skill set; develop a working knowledge of practices in current use, as well as national and state standards; develop a working knowledge of educational materials; and be acquainted with the theoretical constructs on which music education is based. NOTE: 15 clinical hours of observation are required for successful completion of this course.

MUS 335

Teaching Choral Music in Middle and Secondary Schools

3 Credit Hours

This course prepares students to teach in middle and high school choral programs. The course focuses on choral rehearsal techniques and pedagogies, choral program administration, and the completion of a job application portfolio and mock interview. Subject-specific content for the edTPA is also addressed. NOTE: 15 clinical hours of observation are required for successful completion of this course.

MUS 336

Teaching Instrumental Music in Middle and Secondary Schools

3 Credit Hours

This course focuses on the skills necessary to successfully operate a secondary instrumental music program (including proper programming for and instruction of concert bands, jazz bands, marching bands, orchestras, chamber music, and other ensembles). Rehearsal technique, instrumental pedagogy, philosophies of teaching, and subject-specific content related to the edTPA are also addressed. NOTE: 15 clinical hours of observation are required for successful completion of this course.

MUS 340

Special Topics

2 Credit Hours

Topics in this course vary. Offered as needed.

MUS 341

Jazz Theory and Improvisation

2 Credit Hours

Pre/Corequisite: P (RQ) MUS-102

A hands-on approach for students to study the harmonic, melodic, and rhythmic elements of jazz improvisation by combining theory with practice. Students will develop jazz improvisational skills through the study of chord/scale relationships, repertoire, transcriptions, and analysis. Music Theory II (MUS 102) is required as a pre-requisite.

MUS 342

Compositional Techniques for Jazz and Commercial Ensembles

3 Credit Hours

Pre/Corequisite: P (RQ) MUS-102

Students will learn various techniques in arranging and composition for small and large ensembles in jazz and other genres of popular music. Students will study techniques used by composers and arrangers such as Thad Jones, Quincy Jones, and Sammy Nestico. Music Theory II (MUS 102) is required as a pre-requisite.

MUS 352

Directed Teaching K-12

9 Credit Hours

This course is a program of guided observation, participation and teaching in a classroom setting, jointly supervised by a teacher from the Music Program and one from the field. The student teacher spends the whole day in the field for a period of 16 weeks. NOTE: Level III Education Course: Requires admission to the Education Program and completion of 100 clock hours of supervised clinical experiences.

MUS 354

Independent Study

1 to 3 Credit Hours

This course focuses on individual study projects for advanced students in music. The topic is to be determined by instructor and student. Credit varies.

MUS 357**Senior Project**

1 Credit Hour

This course requires a presentation of a major paper/project, recital or original composition corresponding to primary area of specialization as approved by music faculty. NOTE: This course requires senior standing and formal acceptance as a music major.

NURSING**NURS 102****The Professional Nurse: Roles and Concepts**

1 Credit Hour

Pre/Corequisite: P (RQ) TS-100, transfer admission, or admission to BSN/ACC track

This course is designed to provide an introduction to nursing practice and its four major concepts which define nursing practice: professional identity, clinical practice, patient, and health systems. The mission, philosophy, and core values of Saint Xavier University and the School of Nursing are emphasized. Offered fall, spring and May term (May term limited to students in BSN/ACC program).

NURS 199**Introduction to Aging**

3 Credit Hours

This course introduces the student to the inter-disciplinary field of gerontology and a constructive approach to the aging process. Relevant and contemporary topics are covered, which includes subject areas in the fields of biology, psychology, economics, health sciences, and the collective social issues that affect a growing number of older adults. Students are provided opportunities to investigate negative myths about aging, interact with an older adult in a positive manner to promote healthy aging, and to explore the complexity and diversity of those aging members of our society. Offered fall and spring.

NURS 205**Narrative Gerontology**

3 Credit Hours

The purpose of this interdisciplinary course is to familiarize the student with a method of inquiry through the narrative; another's story. The student will be introduced to qualitative research methodology, as a way of understanding the diversity and complexity of the older adult. Student interdisciplinary teams will discuss a variety of readings and studies and participate in developing a qualitative research study outline, which will explore the perspectives of older adults, leading to a broad and deep understanding of aging and how to come to recognize what is meaningful to older adults. This course is a course elective for the Gerontology major and minor and is also a nursing elective.

NURS 208**Aging and Culture**

3 Credit Hours

This course examines aging in cross-cultural perspective. Emphasized are the diverse and worldwide cultural contexts that mediate the experience of aging. Evaluated is the human

response to aging as influenced through historical time periods. Theoretical perspectives and myth surrounding aging are explored. Challenges of growing old are considered in diverse life contexts and cultures. Explored are case studies of aging from Asia, Europe, Africa, and the Americas and the contextual knowledge that illuminates life transition, health, well-being, and cultural adaptation for the aged. This course applies to academic disciplines including nursing and health sciences.

NURS 215**Pathophysiology**

3 Credit Hours

Pre/Corequisite: E (RQ) NURS-218, NURS-220, NURSP-221

This course explores the etiology, pathogenesis, clinical manifestations and developmental considerations of specific disease processes. Students will acquire an understanding of the mechanisms of disordered physiology that underlie illnesses commonly encountered in practice settings. Understanding of pathophysiological processes will be linked to the clinical manifestations of illness and exploration of nursing implications. Offered fall, spring and summer (summer is limited to students in BSN/ACC program).

NURS 218**Concepts in Professional Nursing I**

3 Credit Hours

Pre/Corequisite: E (RQ) NURS-215 NURS-220 NURSP-221; or admission to BSN/ACC track

This course provides an overview of concepts associated with professionalism, healthcare, and the art and science of nursing practice. Students will explore how these concepts are related to the holistic care of patients. Through discussion, case studies, and self-reflection, students will develop a fundamental understanding of these concepts and their importance to the practice of nursing.

NURS 220**Holistic Assessment**

3 Credit Hours

Pre/Corequisite: E (RQ) NURS-215 NURS-218 NURSP-221

This course provides the foundation and skills for holistic assessment of patients across the lifespan. With a focus on physical assessment, bio-psycho-social-spiritual-cultural dimensions, therapeutic communication, collaboration, health promotion, clinical reasoning, and safe use of technology are integrated. Offered fall, spring and summer (summer is limited to students in BSN/ACC program).

NURS 333**Holistic Care in Nursing Practice I**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-215, NURS-218, NURS-220, NURSP-221 and C (RQ) NURSP-332 NURS-349 NURS-395

This course focuses on concepts fundamental to the practice of nursing from a theoretical, evidence base. A conceptual approach is used to explore knowledge and skills as they apply to patients with basic health alterations across the lifespan. Emphasis is placed on therapeutic communication, health promotion, safety, clinical judgment, and nursing interventions. Offered fall and spring.

NURS 334**Laboratory & Diagnostic Tests: Implications for Nursing**

3 Credit Hours

Pre/Corequisite: E (RQ) NURS-333 and P (RQ) NURSP-332 or NURSP-334

This course uses concepts from nursing and science to focus on assisting nursing students to plan comprehensive, effective nursing care utilizing relevant data from laboratory tests and diagnostic procedures. Emphasis is placed on the human element, enabling the nursing student to formulate appropriate nursing diagnoses. The pathophysiology of conditions causing alterations in laboratory values will be explored across the life span. A thorough knowledge of diagnostic data will enhance the nursing student's effectiveness as a member of the healthcare team.

NURS 335**Principles of Practice of Intravenous Therapy**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-333, NURSP-332

*Formerly NURS 383. The purpose of this course is to assist the student in developing an in-depth understanding of the care of the patient receiving intravenous therapy. The course will include an overview of the various types of intravenous fluids and catheters, as well as the legal aspects of intravenous therapy. Identification, treatment, and prevention of complications associated with peripheral and central venous therapy will be discussed. Students will return demonstrate intravenous catheter insertion on mannequins.

NURS 337**Responding to Emergency Clinical Situations**

3 Credit Hours

Pre/Corequisite: E (RQ) NURS-333 NURSP-332

This course focuses on the standards of nursing practice associated with the emergently ill population across the lifespan. Major concepts underlying the care of the emergently ill population will be discussed in depth and applied using case studies. Clinical assessment and decision making will be highlighted and reinforced with this population of patient. Selected clinical skills will also be covered. *Formerly NURS 383 - Intro to Emergency Nursing.

NURS 348**Geriatric Syndromes**

3 Credit Hours

This hybrid course addresses Geriatric Syndromes and their effect on the physical, psychological, and social health and well-being of older adults. The foci is the role of nursing in the assessment, health promotion, risk reduction, evidence-based interventions, and client teaching related to Geriatric Syndromes. Face-to-face classes are held every other week along with on-line case studies and reflective thinking projects on alternative weeks.

NURS 349**Nursing Pharmacology I**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-215, NURS-220, NURSP-221 and E (RQ) NURS-333, NURS-395, NURSP-332, or admission to BSN/ACC track

This course introduces necessary concepts for safe medication administration. Additionally covered in this course will be the basics of pharmacokinetics, drug classifications, and dosage calculations. The role of the pharmacologic nurse in patient education and the use of current resources are emphasized. NURS-215, NURS-220, NURSP-221 - Must be completed prior to taking this course. NURS 318, NURS-333 NURSP-334 or admission to BSN/ACC track - Must be taken either prior to or at the same time as this course.

NURS 358**Nursing Care End of Life**

3 Credit Hours

*Formerly NURS 383. This course is an on-line course based on the ELNEC (End of Life Nursing Education Consortium) core curriculum, and addresses the special care and needs of patients, families and significant others at the end of life. Content will include an overview of hospice and palliative care, the role of the interdisciplinary team in hospice care, as well as the concepts of communication at the end of life, ethical, legal and cultural considerations, suffering, grief, loss and bereavement. Care of the dying child as well as the veteran at the end of life will also be addressed. Literature and film will enhance the student's awareness of end of life issues.

NURS 364**Three D'S of Geriatric Psyche (Dementia, Delirium, Depression)**

2 Credit Hours

*Formerly NURS 383. This 8 week hybrid course utilizes relevant theory and findings from the social, biological and health sciences to explore the wholistic needs of older adults experiencing common mental health challenges: delirium, dementia and depression. Issues related to nursing assessment, intervention, risk reduction, and prevention are incorporated as well as explaining the impact these problems have on older adults.

NURS 376**Holistic Care in Nursing Practice II**

4 Credit Hours

Pre/Corequisite: P (RQ) NURS-333 NURS-349 NURS-395 NURSP-332 and C (RQ) NURSP-377 NURS-379 NURS-449

This course focuses on improving health outcomes with individuals, families, and communities across settings. With an emphasis on risk reduction and health promotion, students explore the nursing care of patients with psycho-biologic and bio-physical alterations. The influence of culture, environment, and current health care; delivery models are explored. Offered fall and spring.

NURS 379**Concepts in Professional Nursing III**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-333 NURS-349 NURS-395 NURSP-332 and C (RQ) NURS-376, NURS-449, NURSP-377

This course explores the practice of professional nurses as they interact with the various elements of health systems, environmental factors, social policies, and delivery of care. These concepts will be examined from a national and global perspective. The impact of technology and health care informatics on the delivery of care and performance improvement will be explored. Will meet requirement for Nurs 319.

NURS 383**Special Topics in Nursing**

1 to 3 Credit Hours

This course presents varying subject matter related to current trends and issues in professional nursing, dependent upon student interest and faculty resources. Junior or senior status.

NURS 394**Care of Children with Chronic Health Alterations**

3 Credit Hours

Pre/Corequisite: E (RQ) NURS-433

This course expands and applies nursing concepts across pediatric sub-specialties to care for children with chronic health alterations. Relevant and contemporary topics are covered within the pediatric subspecialties. Psychosocial implications of chronic illness on children and families will be explored. Students are provided opportunities to meet with pediatric subspecialists and to apply clinical skills in a simulation lab. The influence of culture, environment, growth and development and current health care will be covered.

NURS 395**Concepts in Professional Nursing II**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-215, NURS-218, NURS-220, NURSP-221 and C (RQ) NURS-333, NURSP-332 NURS-349

This course provides an in-depth understanding of the research process and the application of evidence-based practice to nursing care. Ethical/legal dimensions are identified in both research and practice settings. An introduction to the principles of information science and information systems provides the foundation for students to explore the practical applications of various information technologies in health care. Students will use information and communication technologies to find, evaluate, create, and communicate information, requiring cognitive and technical skills. This course is designated as a GEN ED Digital Literacy course. Will meet requirement for Nurs 318. Offered fall, spring and summer (Summer is limited to students in BSN/ACC program).

NURS 399**Concepts in Professional Nursing IV**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-379, NURS-376, NURS-449, NURSP-377

This course will introduce the nurse's role as a leader and advocate related to advancing palliative and end-of-life care.

A holistic, culturally sensitive approach to nursing care across the lifespan of diverse populations with an emphasis on access and integration of palliative and end-of-life care modalities will be explored. An overview of ethical theory, tenets, and standards that guide professional nursing practice will form the basis of this approach. This course is designated as a GEN ED Writing Intensive course. Will meet requirement for Nurs 389.

NURS 433**Holistic Care in Nursing Practice III**

4 Credit Hours

Pre/Corequisite: P (RQ) NURS-379, NURS-376, NURSP-377 and C (RQ) NURSP-434

This course expands on select concepts as applied across the lifespan. A conceptual approach is used to explore knowledge and skills as they apply to patients with acute and chronic illnesses across the lifespan. Emphasis is placed on therapeutic communication, health promotion, leadership, safety, clinical judgment, and nursing interventions. The role of the nurse in the care and management of patients with acute and chronic illness is the focus of this course. Offered fall and spring.

NURS 449**Nursing Pharmacology II**

3 Credit Hours

Pre/Corequisite: C (RQ) NURS-379, NURS-376, NURSP-377 and P (RQ) NURS-349

This course provides an in-depth examination of drug classifications and their application in the care of patients with complex medical conditions. Concepts necessary for safe medication administration and dosage calculation are reinforced. Accountability and the regulations concerning medication administration, reconciliation, and drug interactions are discussed. The role of the nurse in patient education and use of current resources are demonstrated. Offered fall and spring.

NURS 475**Concepts in Professional Nursing V**

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-399, NURS-433, NURSP-434 and E (RQ) NURS-478, NURSP-479

This course focuses on preparing students for the changing role of the professional nurse through the development of leadership and management skills within the healthcare delivery system. Key theories and concepts related to the role will be explored and applied to nursing practice. Emphasis will be placed on professional accountability, priority setting, decision making, ethics, legal issues, fiscal planning, collaboration, communication, and continuous quality improvement.

NURS 478**Advanced Concepts in Nursing Practice**

4 Credit Hours

Pre/Corequisite: P (RQ) NURS-399, NURS-449, NURS-433, NURSP-434 and E (RQ) NURS-475, NURSP-479

This synthesis course provides a culminating experience with a variety of learning activities that integrate clinical reasoning, nursing management and evaluation skills. Utilizing

critical inquiry and evidence based practice the nurse's role in optimizing health outcomes is more fully appreciated. The students' development of professional identity as a member of an interdisciplinary team is also fostered. Offered fall and spring.

NURSING PRACTICUM

NURSP 221

Introduction to Clinical Practice

1 Credit Hour

Pre/Corequisite: C (RQ) NURS-215 NURS-220

This course emphasizes the integration of assessment, communication, clinical reasoning skills and documentation in a variety of clinical settings. Through the development of therapeutic relationships, students apply concepts learned at the sophomore level. Professional behavior, patient safety, and appropriate uses of resources will be demonstrated. (45 hours lab/clinical). Offered fall, spring and summer (summer is limited to students in BSN/ACC program).

NURSP 332

Clinical Practice I

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-215, NURS-218, NURS-220, NURSP-221 and C (RQ) NURS-333

Concepts essential to the provision of nursing care and application of nursing skills are explored and applied to clients in diverse clinical settings. The evidence-based knowledge gained at the Junior 1 level forms a bases for clinical reasoning and decision making as students develop their nursing skills. Professional behavior, patient safety, and appropriate uses of resources will be demonstrated in administration of medications and application of nursing interventions. (135 clinical/simulation hours). Offered fall and spring.

NURSP 377

Clinical Practice II

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-349 and C (RQ) NURS-376 NURS-379

Concepts addressing the provision of nursing care across the lifespan are applied to individuals, families, communities, and populations in select clinical settings. The evidence based knowledge gained at the junior two level forms a basis for clinical reasoning and decision making as students advance their nursing skills. Professional behavior, patient safety, and appropriate use of resources will be demonstrated in the use of technology and application of nursing interventions in the care of individuals, families and communities. Promoting mental health across the lifespan is emphasized. 135 clinical/simulation hours. Offered fall and spring.

NURSP 434

Clinical Practice III

3 Credit Hours

Pre/Corequisite: P (RQ) NURS-379, NURS-376, NURSP-377 and C (RQ) NURS-433

Concepts addressing the provision of nursing care across the lifespan are applied to clients in select clinical settings. The evidence-based knowledge gained at the senior one level

forms a basis for clinical reasoning and decision making as students advance their nursing skills. Professional behavior, patient safety, and appropriate use of resources will be demonstrated in the use of technology and application of nursing interventions in the care of patients with acute and chronic illnesses. (135 clinical/simulation hours). Offered fall and spring.

NURSP 479

Clinical Practice IV: Capstone

4 Credit Hours

Pre/Corequisite: P (RQ) NURS-399 NURS-433 NURSP-434 and C (RQ) NURS-478

Concepts addressing the provision of nursing care in complex situations across the lifespan are applied to clients in select settings. Synthesizing knowledge gained throughout the program, clinical reasoning and decision making are enhanced and refined. Professionalism, interprofessional collaboration, and patient centered care are integrated to ensure safe and effective care. (180 clinical/simulation hours). Offered fall, spring and summer (summer is limited to students in BSN/ACC program).

PHILOSOPHY

PHIL 140

The Examined Life

3 Credit Hours

This course is an introduction to philosophy that encourages reflection on what it means to live a human life. The course seeks to engage students in the activity of philosophical reflection through close reading, analysis, interpretation, and discussion of primary texts that address ethical or political issues. For first-year students only. NOTE: students may not receive course credit for both PHIL 140 and PHIL 150.

PHIL 150

The Examined Life

3 Credit Hours

This course is an introduction to philosophy that encourages reflection on what it means to live a human life. The course seeks to engage students in the activity of philosophical reflection through close reading, analysis, interpretation, and discussion of primary texts that address ethical or political issues. For sophomores and above. NOTE: students may not receive course credit for both PHIL 140 and PHIL 150.

PHIL 200

Ethics

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an introduction to some of the central philosophical approaches to ethical and moral issues.

PHIL 201

Philosophy of Knowledge

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

An introduction to some of the central philosophical approaches to the origin, nature, and the scope of knowledge. Offered spring

PHIL 202

Special Topics in Philosophy

1 to 5 Credit Hours

Courses offered on an occasional basis devoted to a select philosophical topic.

PHIL 210

Logic and Argument

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an introduction to reasoning, including traditional and modern approaches, formal and informal logic and basic canons of argument. Offered spring.

PHIL 242

Philosophy in the Yellowstone

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150, ENGL-120 or HONOR-150

This course introduces students to the philosophical foundations of the role of wilderness in human culture through a close study of environmental policy disputes in the Yellowstone ecosystem.

PHIL 246

Education and Society

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course offers an examination of the nature, purposes, and methods of education, with education understood broadly as communication that forms people's habits, attitudes and beliefs. The course will consist largely of study of philosophical and sociological theories about education.

PHIL 253

Philosophy and Culture

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course examines the concept of culture, various current cultural phenomena and practices. It also examines the nature, role and limits of the philosophical critique of culture.

PHIL 254

Philosophy and Race

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course examines questions of racial identity and racial injustice from a philosophical perspective. Issues examined may include, among others, philosophical assumptions behind concepts of race; how concepts of race have changed throughout history; and the relationship between race and other categories of identity, such as ethnicity, class, gender and sexuality.

PHIL 255

Feminist Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course focuses on ethical and political theories in feminist philosophy and intersecting concerns in other areas of feminist philosophy and gender theory (e.g., feminist epistemology,

feminist critiques of the tradition of Western ontology, eco-feminism, metaphysics and phenomenology of gender, etc.).

PHIL 265

Political Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an introduction to some of the central philosophical approaches to questions about the state, the character of the good society, the relation between authority and power, and theories of rights and obligation.

PHIL 266

Wealth and Power

3 Credit Hours

Pre/Corequisite: P (RQ) HONOR-151, PHIL-140, or PHIL-150; Formerly Philosophy and Economics. This course focuses on philosophical discussions about wealth, power and related issues, such as property, work, inequality, capitalism and socialism.

PHIL 271

Philosophy and Literature

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course involves reading and discussing works of literature in light of the philosophical traditions that influence or are contested in these works. Issues for discussion may also include questions of interpretation, criticism and translation, as well as the significance of philosophy to the literary writings of one or more authors.

PHIL 280

Chinese Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an introduction to Classical Confucianism, Classical Taoism and Zen Buddhism.

PHIL 285

Philosophy of Human Nature

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an introduction to philosophical questions about the nature of human beings.

PHIL 290

Introduction to the Philosophy of Science

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an introduction to some of the central issues and approaches in the philosophy of science.

PHIL 293

Philosophy of Mind

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course focuses on historical and contemporary philosophical discussions of the mind-body problem, the nature of mental states, mental causation, consciousness, our knowledge of other minds and intentionality.

PHIL 294

Philosophy and Cognition

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course introduces students to the study of cognition by examining different disciplinary approaches to the study of learning and memory, perception, self-awareness, language-use, and other intelligent behavior.

PHIL 304

History of Ancient Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course surveys selected topics in Greek and Roman philosophy from the Presocratics to Plotinus.

PHIL 305

History of Medieval Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course surveys selected topics in Christian, Jewish and Islamic philosophy from Augustine to the Renaissance.

PHIL 306

History of Early Modern Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course surveys selected topics in modern philosophy from Descartes to Hume.

PHIL 307

History of Late Modern Philosophy

3 to 4 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150 and P (RQ)

PHIL-306

This course surveys selected topics in modern philosophy from Kant to the late-19th century.

PHIL 308

History of Contemporary Philosophy The Analytic Tradition

3 Credit Hours

This course surveys selected topics in philosophy from the 20th-century to the present. NOTE: It is recommended that students take PHIL 306 before enrolling in this course.

PHIL 350

Independent Study

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

Offered by special arrangement.

PHIL 374

Studies in Ancient Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an extended and intensive study of a topic, figure, or text in ancient philosophy.

PHIL 378

Studies in Contemporary Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an extended and intensive study of a topic, figure, or text in philosophy from the 20th-century to the present.

PHIL 380

Studies in the History of Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an extended and intensive study of a topic, figure or text in philosophy prior to the 20th-century.

PHIL 382

Studies Text Philosophy

3 Credit Hours

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is an extended and intensive study of a topic, figure, or text in modern or contemporary philosophical text.

PHIL 390

Senior Seminar

1 Credit Hour

Pre/Corequisite: P (RQ) PHIL-140 or PHIL-150

This course is a scholarly treatment of a philosophical question in the form of a paper based on one or more primary texts and with reference to selected secondary sources. The Senior Seminar will be taken under the supervision of a faculty member, normally in the spring semester of the student's senior year. (Only students majoring in philosophy may enroll). Offered spring.

PHYSICAL EDUCATION

PE 111

Special Topics: Health and Wellness

1 to 3 Credit Hours

A single sport or system of formal exercise selected in response to student interest.

PE 116

Contemporary Topics in Health and Physical Education

3 Credit Hours

This course is designed to assist the student who is preparing to teach. Students have the opportunity to research specific topics related to health and wellness. Attention is given to relating course content to student's major area of study when possible. Offered fall and spring.

PE 117

Principles and Problems of Coaching

3 Credit Hours

This course provides an overview of the concepts that are essential in the preparation of coaching. Students will evaluate the current perspectives and issues in sport psychology and evaluate current theories in sport. Topics include developing a coaching philosophy, evaluating theories in motivation, understanding team dynamics, communicate effectively, and improving player performance. Students will learn how to use

the skills gained throughout the class in their everyday life throughout which ever field they choose to pursue. Offered fall and spring.

PE 118

Theory and Technique of Coaching

3 Credit Hours

This course involves the study of theory of various sports and techniques used by the athlete participating in sports. A practical study of the strategy-making decisions a coach should be equipped to make in the major sports: football, basketball, baseball and volleyball. Offered fall and spring.

PE 124

Health and Nutrition Across the Lifespan

3 Credit Hours

This course examines nutrition across the lifespan. The impact of nutrition on preconception, pregnancy, lactation, infancy, childhood, adolescence, adulthood, and aging will be studied. For every phase of life, normal growth and development, nutrient needs, nutrition assessments, and the most common nutritional deficiencies will be addressed. Offered fall and spring.

PHYSICAL SCIENCE

PHSCI 101

Physical Science

3 Credit Hours

Pre/Corequisite: E (RQ) Placement into or completion of a college level math course

This course presents basic concepts of science and technology and explores the social and environmental impact of resource use.

PHSCI 102

Introduction to Astronomy

3 Credit Hours

This course introduces the tools, techniques and concepts used in modern astronomy and uses them to present and understand current theories for the past, present and future of planets, stars, galaxies and the universe.

PHSCI 103

Introduction to Meteorology

3 Credit Hours

This is an introductory course on the science of the atmosphere, weather and climate. The emphasis is on conveying meteorological concepts while at the same time providing students with a comprehensive background in basic meteorology. Lecture and demonstrations cover topics directly related to one's everyday experience and stress the understanding and application of principles.

PHSCI 104

Earth Systems/Geology

3 Credit Hours

This course introduces students to the study of the planet Earth, including its physical composition, geologic time, surficial processes and tectonic activity.

PHYSICS

PHYS 101

Physics for Nonscientists

3 Credit Hours

This course discusses the scientific method. Newton's laws of dynamics, thermal physics, laws of electromagnetism and optics, nuclear and modern physics.

PHYS 201

General Physics I

4 Credit Hours

Pre/Corequisite: P (RQ) MATH-113 or MATH-201 and competency in basic trigonometry and C (RQ) PHYSL-201
Topics explored in this course include kinematics, Newton's laws of dynamics, periodic motion, fluid and solid mechanics, heat and thermodynamics. The course also includes the application of physical principles to related scientific disciplines including life sciences. Lecture 3, Laboratory 3. Offered fall and summer.

PHYS 202

General Physics II

4 Credit Hours

Pre/Corequisite: P (RQ) PHYS-201 and C (RQ) PHYSL-202
Topics explored in this course include electricity and magnetism, Gauss', Ampere's and Faraday's laws, wave motion, laws of geometrical and physical optics, and introduction to modern physics. Lecture 3, Laboratory 3. Offered spring and summer.

PHYS 211

University Physics I [Calculus Based]

5 Credit Hours

Pre/Corequisite: E (RQ) MATH-201 or concurrent registration in MATH-201 with consent of instructor and C (RQ) PHYSL-211

Topics explored in this course include kinematics, Newton's laws of dynamics, periodic motion, fluid and solid mechanics, heat and thermodynamics with a more mathematical treatment than PHYS 201. Lecture 4, Laboratory 3. Offered fall.

PHYS 212

University Physics II [Calculus Based]

5 Credit Hours

Pre/Corequisite: P (RQ) PHYS-211, MATH-202 or concurrent registration in MATH-202 and C (RQ) PHYSL-212

Topics explored in this course include electricity and magnetism, Maxwell's laws, wave motion, laws of geometrical and physical optics and introduction to modern physics. Lecture 4, Laboratory 3. Offered spring.

PHYS 250

Special Topics: Physics of Sound

3 Credit Hours

This course is a basic introduction to the physics of sound. Topics include physics of vibrations and waves, harmonic decomposition of wave forms, propagation of sound waves in air, standing waves and resonance, measurement of sound loudness, musical acoustics, and the physics of microphones, loudspeakers and digital media. Hands-on experimentation

will be encouraged. The course is especially suited for students majoring in Music and Communication Sciences and Disorders, but also to anybody interested in the physics of sound. The course does not assume a prior knowledge of physics. Integrated Lecture and Laboratory 4. High School Algebra.

POLITICAL SCIENCE

POLSC 101

Introduction to United States Government

3 Credit Hours

An analysis of the political structures and processes in the United States. Topics include the Constitution, parties and elections, interest group politics and public policy. Offered every semester.

POLSC 102

World Politics

3 Credit Hours

Explores political processes among nations. Students explore various approaches to the study of international relations. Topics include the rise of nation-states, political development, war and peace, international political economy and international organizations. Offered every semester.

POLSC 103

Introduction to Comparative Politics

3 Credit Hours

The only subfield of political science defined by a method, comparative politics seeks to understand the variation in political systems, institutions, cultures and behaviors around the globe. This course explores key concepts of comparative politics including democracy, authoritarianism, development, ethnicity, and political violence in a variety of national and cultural contexts. Offered spring.

POLSC 203

Introduction to Public Policy

3 Credit Hours

This course introduces students to the study of government at work -- making, implementing, and evaluating policies. Students will learn about the policy-making context, models of policy making and implementation and be introduced to basic methods of policy analysis. A major component of the course is learning to write policy memos employing evidence-based analysis. Offered fall.

POLSC 206

State and Local Government

3 Credit Hours

Explores Governance and policy-making at the sub-national level in the United States. Topics may include the federalism, agenda setting, budgetary politics and sub-governments.

POLSC 207

Urban Politics

3 Credit Hours

Contemporary and historical analysis of American urban politics. Topics will include uneven development of cities,

segregation, and the concomitant development of suburbs, as well as the evolution of urban political machines.

POLSC 208

Public Administration

3 Credit Hours

An introduction to concepts, ideas and issues of administrative practice in the United States. Topics will include bureaucratic organization, administrative responsiveness, and the practice and ethics of public management.

POLSC 213

National Security Policy

3 Credit Hours

This course examines various theoretical approaches to national security and the institutions and actors involved in defining and implementing national security policy in the U.S. and in the international system. Students use this information to explore challenges to national security of the post-Cold War era and their implications for the conduct of American foreign policy in the contemporary international environment. Key issues may include: international terrorism and failed states, regional conflicts, proliferation of weapons of mass destruction, environmental degradation, economic security, and arms and drug trafficking.

POLSC 215

Political Parties and Elections

3 Credit Hours

An analysis of electoral politics and political parties in the United States. Topics may include party alignments and critical elections, party organization, representation and the role of parties in organizing government.

POLSC 216

Congress and the Presidency

3 Credit Hours

Explores the interaction of executive and legislative bodies in national-level policy making in the United States. Topics may include the legislative process, agenda setting, budgetary politics and policy sub-governments.

POLSC 225

Latin American Politics

3 Credit Hours

This course is the study of political processes and institutions in Latin American nations. Topics may include the impact of colonialism and international dependency, state-society relations, and the sources of authoritarianism and democracy. Offered spring even years.

POLSC 227

African Politics

3 Credit Hours

Explores political and social processes in sub-Saharan Africa. Topics to be covered include the legacies of colonialism, state-building, the bases of political identity, and the impact of the international economy.

POLSC 228**Politics of Less Developed Areas**

3 Credit Hours

This course explores various strategies developing countries use to achieve economic growth, political stability and improve basic human needs. Cases will be drawn from Africa, Asia and Latin America. Topics include ethnicity in state-society relations, social movements and political unrest, state formation and strategies of economic development.

POLSC 240**Political Theory**

3 Credit Hours

This course is an exposition and analysis of selected political philosophers. These may include Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx, and Nietzsche. Satisfies a Political Theory requirement for Political Science majors. Offered fall odd years.

POLSC 241**American Social and Political Thought**

3 Credit Hours

Explores the central ideas of American politics from the Puritans to the present through an analysis of treatises, novels, and speeches. Satisfies a Political Theory requirement for Political Science majors. Offered fall even years.

POLSC 242**African-American Political Thought**

3 Credit Hours

*This course fulfills a requirement in the African-American Studies program This course explores the central ideas of African-American political thought through an analysis of treatises, novels and speeches. Some of the thinkers treated in this course may be Booker T. Washington, W.E.B. DuBois, Marcus Garvey, Richard Wright, Zora Neale Hurston, Malcolm X and Martin Luther King Jr. Offered alternate years.

POLSC 250**Scope and Methods Political Science**

3 Credit Hours

Pre/Corequisite: P (RQ) Complete 6 credit hours of Political Science

This course introduces students to the methodological and conceptual questions in the discipline of political science. Topics may include definitions of political science, philosophy of the social sciences, and qualitative, quantitative and formal methodologies. This course is required of all political science majors and is a prerequisite for the Senior Seminar, POLSC 350. Offered spring. Prerequisite: 6 credit hours in Political Science or consent of the instructor.

POLSC 260**Special Topics in Political Science**

3 Credit Hours

This course focuses on special topics in political science. Course may be repeated when a new topic is offered.

POLSC 261**Special Topics: Research**

1 to 3 Credit Hours

Independent research course for advanced students to work with a faculty member on their research. Only by permission of the instructor. May be taken for 1-3 credits.

POLSC 262**Politics and Film**

3 Credit Hours

Explores political theory and culture as revealed through film. Using ideological and cultural analysis of popular films, the course examines the intersection of art and politics. Offered spring odd years.

POLSC 263**Politics and Superheroes**

3 Credit Hours

The superhero narrative is a 20th century phenomenon in the United States. Coinciding with America's rise in globalism, the superhero narrative has constructed, reflected and commented on the national community in a global U.S. This course uses the superhero narrative as a venue to explore how Americans have defined themselves as a nation, as people and as a global actor over the last century. Special attention is given to issues relating to international threats, racial and gender constructions, and portrayals of national mission. Offered spring even years.

POLSC 264**Mock Trial I**

3 Credit Hours

This course gives students the opportunity to learn the work of trial attorneys, understand the judicial system, develop critical thinking skills, and enhance communication skills. It teaches students the procedural and substantive issues and skills required to compete in the American Mock Trial Association (AMTA) annual mock trial tournaments. Students learn the modified Federal Rules of Evidence used by the ATMA and how to apply those rules to the facts of the case. Students learn effectively to articulate and argue evidence objections and responses to a judge, the structure and preparation of effective direct and cross-examination and the basic skills needed to effectively conduct witness examination. Travel required. Offered fall. Students who complete this course are expected to also complete POLSC-265 in spring semester.

POLSC 265**Mock Trial II**

1 Credit Hour

Pre/Corequisite: P (RQ) POLSC-264

Students are assigned to a trial team that competes in the AMTA regional competitions. This course gives students the opportunity to continue to learn the work of trial attorneys, understand the judicial system, develop critical thinking skills, and enhance communication skills. It teaches students the procedural and substantive issues and skills required to compete in the American Mock Trial Association (AMTA) annual mock trial tournaments. Students learn the modified Federal rules of Evidence used by the AMTA, and how to apply those Rules to the facts of the case. Students learn

to effectively articulate and argue evidence objections and responses to a judge, the structure and preparation of effective direct and cross-examination, and the basic skills needed to effectively conduct witness examination. Travel required. Offered spring.

POLSC 268

Media in Politics

3 Credit Hours

This course explores political communication, public opinion and the media in American politics. Topics include the role of media in democracy, constructing and consuming political news, campaign communications, and the impact of changing platforms from newspapers to television to the internet and the rise of citizen journalism. As a significant part of the course, students will develop and implement a multi-platform political campaign. Offered fall odd years.

POLSC 301

Public Policy Analysis

3 Credit Hours

Pre/Corequisite: P (RQ) POLSC-101 POLSC-250

Examines different approaches to analyzing public policy. Policy making implementation and outcomes of policy will be addressed. Specific areas of focus may include education policy, health policy, welfare policy, or economic development policies.

POLSC 304

Special Topics in Political Science

3 Credit Hours

Course may be repeated when a new topic is offered.

POLSC 305

Bargaining and Conflict Resolution

3 Credit Hours

In this course you will learn to model bargaining situations and develop strategies for conflict resolution. You will use negotiation strategies and game theory to analyze various administrative and management situations, and apply these skills practically in simulations and role-playing exercises. Offered spring.

POLSC 308

American Constitutional Law

3 Credit Hours

Leading principles of the Constitution as seen in court decisions with special emphasis on government powers, federal-state conflicts, and the fundamental rights of individuals. Pre-requisite: 3 credit hours in U.S. history or government. Offered fall.

POLSC 324

Contemporary Democracy

3 Credit Hours

This course explores both the idea and practice of democracy in the contemporary world. Topics will include democratic theory, institutions of governance, participation, the relation of democracy and capitalism and the impact of globalization on democratic processes.

POLSC 334

War, Peace and Alliances

3 Credit Hours

Pre/Corequisite: P (RQ) POLSC-102 POLSC-250

Explores the strategic interaction among states, focusing on international conflict. Topics covered may include theories of war, initiation, balance of power, collective security, offense-defense balance and alliance patterns.

POLSC 336

Global Money and Power

3 Credit Hours

Pre/Corequisite: P (RQ) POLSC-102 POLSC-250

Explores the interaction of states in the areas of trade, finance and production. Topics covered may include the nature and extent of international cooperation, North-South relations and the relations between international economic policy and international security.

POLSC 350

Senior Seminar

3 Credit Hours

Pre/Corequisite: P (RQ) POLSC-250, one 300-Level POLSC course, senior standing or instructor's consent.

An advanced discussion and research seminar centered upon significant problems, movements and issues. This course is the capstone of students' disciplinary training in political science. Offered fall.

POLSC 370

Field Experience

1 to 9 Credit Hours

The course is for students who perform internships, work for government agencies, or present an off-campus experience judged by the faculty advisor and division director to be of significant value in political science education. Prerequisite: Junior/senior standing; and/or instructor's consent.

PSYCHOLOGY

PSYCH 101

Introduction to Psychology

3 Credit Hours

Introduction to Psychology introduces students to the scientific method as it is applied to the study of psychological processes, and surveys theories and research in such areas as sensation and perception, conditioning and learning, motivation, emotion, human development, personality, psychopathology and other aspects of human behavior.

PSYCH 102

Psych Science and Careers Seminar

2 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

This seminar introduces students to the skills necessary to succeed in psychology. The course focuses on study skills, scientific literacy, APA format, and development of a career plan. Students will engage in the exploration of various careers and develop a college plan that will lead to the career of their choosing.

PSYCH 199

Lifespan Development

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Lifespan Development is a survey of theory and research on human development throughout the life span from conception to death. The course focuses on the physical, emotional, social, and cognitive changes.

PSYCH 200

Child Development

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Child Development is the study of the physical, psychological, and social development of the individual from infancy through childhood.

PSYCH 201

Adolescent Development

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Adolescent Development examines the maturation and developmental challenges that typically characterize adolescence and the transition to adulthood, such as the establishment of autonomy and adult life roles in early adulthood.

PSYCH 204

Abnormal Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Abnormal Psychology is an introduction to the understanding of problematic behaviors, their development, symptoms, and suggestions for treatment.

PSYCH 206

Social Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Social Psychology focuses on principles, methods and applications of the study of the effects of people and the broader social environment on human behavior. Topics include social perception, social cognition, relationships, group processes and others.

PSYCH 210

Cultural Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Cultural Psychology seeks to understand the influence of culture on human behavior. It will examine cultural groups both within and outside of the United States. It will also examine the development of culture as arising from both the physical and social environments.

PSYCH 224

Adulthood and Aging

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Adulthood and Aging considers physical changes with aging, psychological and sociological theory and research concerned

with the changes and developmental tasks characteristic of adulthood with an emphasis on middle and late adulthood.

PSYCH 232

Personality Theories

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Personality Theories covers representative theories and research from each of the major approaches to the study of personality: psychoanalytic, learning, cognitive, dispositional, humanistic, and intervention strategies derived from these approaches.

PSYCH 242

Stress Management

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Stress Management is an experiential course focusing on the sources and consequences of stress. Students learn how to cope with stress and are introduced to a wide range of stress-reduction techniques.

PSYCH 300

Statistics for the Social Sciences

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 MATH-135 with a C or better

Statistics for the Social Sciences is an introduction to the basic concepts of and applications of descriptive (frequencies, central tendency, variability) statistics and inferential (parametric and nonparametric) statistics. Students will test hypotheses via statistical software, such as IBM SPSS.

PSYCH 301

Research Methods

4 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 with a C or better, PSYCH-102 with a C or better, PSYCH-300 with a C or better
Research Methods is a comprehensive analysis of the design and methods used in psychological research. Students will review published research findings and methods in major topic areas in experimental psychology. Laboratory work is included in this course.

PSYCH 303

Human Motivation

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Human Motivation focuses on the question: 'Why do people do what they do?' The course involves exploration of biological, learned, and cognitive factors influencing human behavior. Specific topics may include emotions, curiosity and exploration, achievement, aggression, addiction, stress, work and others.

PSYCH 311

Physiological Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Physiological Psychology is a study of the physiological and neurochemical correlates of perception, motivation, emotion,

and learning. Includes background information on the structure and physiology of the nervous system.

PSYCH 312

Sensation and Perception

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

*Formerly Perception. Sensation and Perception covers research on and theories of the phenomena of perception. This will entail an in-depth analysis of the sensory systems, the various aspects of the environment they detect and the theories that have been developed to account for these phenomena.

PSYCH 313

Learning and Memory

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Learning and Memory examines experimental procedures, research data, and theories for such topics as learning, structure of knowledge, memory, retrieval, forgetting and others. Laboratory demonstrations and experimentation are included in this course.

PSYCH 315

Cognitive Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Cognitive Psychology examines human thought processes, primarily from the information-processing viewpoint. Topics include learning, memory, problem solving, pattern recognition, language, and artificial intelligence. Laboratory demonstrations are included in this course.

PSYCH 317

History of Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

History of Psychology is a study of the historical sources of contemporary psychology. Topics include a survey of major historical movements, such as structuralism, functionalism, Gestalt psychology, behaviorism, existential and phenomenological psychology, and others. As the course fulfills the psychology degree capstone requirement, it is recommended that students have successfully completed most of their required psychology courses prior to enrollment.

PSYCH 319

Hormones and Behavior

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Hormones and Behavior is taught from a comparative perspective and includes examples of hormone-behavior interactions in a variety of organisms. Animal data will be related to human development, physiology and ultimately human behavior.

PSYCH 323

Behavior Management

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Behavior Management is a study of theory and research in conditioning with particular attention to their applications to practical problems in a variety of settings such as psychotherapy, schools, family, hospitals, etc.

PSYCH 325

Individual and Group Therapy

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-199 or PSYCH-200 and P (RQ) PSYCH-101 PSYCH-204

Individual and Group Therapy introduces students to theories and research in counseling and psychotherapy. It introduces intervention strategies and counseling skills. Lectures and readings address theories of therapy. Experiential learning activities and counseling lab exercises promote interpersonal effectiveness in interactions with individuals and groups. Modules address career awareness, diversity awareness, ethical decision-making and personal development.

PSYCH 326

Introduction to Clinical Psychology

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 PSYCH-325

Introduction to Clinical Psychology will introduce students to basic aspects of clinical psychology and mental health service delivery. Students will participate in weekly discussions of relevant topics such as mental health career paths, psychological assessment, differential diagnosis, evidence-based treatment, case presentation, and ethics related to the provision of mental health care.

PSYCH 328

Sex and Gender

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Formerly named Psychology and Gender, Sex and Gender examines and seeks to understand sex and gender differences in behavior from evolutionary, biological, sociocultural, and cognitive perspectives.

PSYCH 329

Comparative Behavior

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 with C or better

Comparative Behavior is an overview of psychological processes and how they vary across taxonomic groups. It takes an evolutionary and ecological approach to understanding differences in behavioral adaptations across animal species, including humans. Students will be expected to understand basic processes which shape animal behavior, utilize primary literature, synthesize information from multiple sources, and demonstrate critical thinking.

PSYCH 335**Sport Psychology**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Sport Psychology examines the interaction between psychological variables and performance in athletic and physical activities. The American Psychological Association, Division 47 - Society for Sport, Exercise and Performance Psychology-contributes to the standards of this course. The objective of this course is to survey theories and practical skills that contribute to performance in sports.

PSYCH 339**Human Evolution**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 with a minimum grade of C

This course examines the path of human evolution. It explores the ways evolution affects human anatomy, physiology, and behavior. It also examines the bidirectional relationship between behavior and biological evolution. We will use insights from our hominin past and present to examine various topics including encephalization, language, tool use, compassion, and sociality.

PSYCH 341**Health Psychology**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Health Psychology is an interdisciplinary study of health and psychology. The primary emphasis of the course is a biopsychosocial one. Content includes the history and focus of health psychology, an examination of stress, its relation to illness, and methods for coping with and reducing it, physical and psychological pain, methods for managing and controlling it, and procedures to enhance health and prevent illness.

PSYCH 345**Forensic Psychology**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 with a C or better

This course provides an overview of criminal and civil forensic psychology. Topics include, but are not limited to police and investigative psychology, legal psychology, criminal psychology, victimology and victim services, and correctional psychology.

PSYCH 361**Special Topics in Psychology**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101

Special Topics in Psychology is a concentrated study of a special topic within the field of psychology. The subject matter of this course will vary depending on student interest and faculty resources.

PSYCH 390**Research Capstone**

3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101, PSYCH-300 with a C or better, PSYCH-301 with a C or better

The Research Capstone offers students the option to develop and execute their own research project. Each student produces an empirical research paper and then present their study to their peers at the conclusion of the course. As a capstone requirement option, students have most of their required psychology courses prior to enrollment. Enrollment is limited to 15 students, and preference is given to students in their senior year.

PSYCH 391**Directed Research**

1 to 3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 and consent of instructor
Directed Research provides students with advanced experiences in research. Students may be engaged in activities related to a research project with a faculty member. Such activities could include collecting data, conducting literature searches, analyzing data, writing manuscripts, presenting project results, etc., in collaboration with a faculty member. These opportunities occur at the individual level or in a small group setting.

PSYCH 397**Internship**

1 to 3 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 with a C or better, PSYCH-102 with a C or better

The Psychology Internship experience allows students to apply academic knowledge they have learned to a psychology related professional setting. This internship is by arrangement; the student should work with the Psychology Program to identify an appropriate internship site and receive program approval prior to enrollment.

PSYCH 399**Independent Study**

1 to 6 Credit Hours

Pre/Corequisite: P (RQ) PSYCH-101 and consent of instructor
Independent Study is a student-initiated independent program of study or research experience.

RELIGIOUS STUDIES**RELST 202****Theological Foundations**

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 with a minimum grade of C

This course introduces students to the study of theology. Unique to theology is the role of God's revelation in the person of Jesus Christ and in Scripture and Tradition as understood by the Church. Various aspects of the Catholic intellectual, sacramental, moral, and spiritual traditions will be addressed.

RELST 220

Old Testament Religion

3 Credit Hours

This course is a study of the religion, history, and culture of ancient Israel based upon a critical examination of the Hebrew scriptures within the context of ancient Near Eastern civilizations. Attention is given to the contemporary relevance of Israel's faith to the Christian church.

RELST 221

New Testament Christianity

3 Credit Hours

This course is a study of the basic religious and cultural characteristics of early Christianity based upon a critical analysis of the New Testament as understood within the context of Jewish and Greco-Roman religious and literary traditions.

RELST 254

Catholic Social Teaching

3 Credit Hours

This course is an examination and evaluation of 20th-century Roman Catholic moral teaching on the social order. Includes a close reading of major documents issued by the hierarchy and the theological commentary on these documents. Focus on the themes of the freedom and dignity of human life, war and peace, and economic and political justice.

RELST 261

Theology Informing Health-Care

3 Credit Hours

"Theology Informing Health-Care" will explore what the Christian/Catholic Tradition has to contribute to the understanding and practice of health-care. Although precise topics will vary depending on where the flashpoints are when it comes to the "proper" role of faith and theology, the course will explore birth control, abortion, end of life care, and assisted reproduction.

RELST 262

Christian Theology: God

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120

This course will survey the development of the Christian doctrine of God, beginning with the scriptures and concluding with the present. Special attention will be given to post-Vatican II developments.

RELST 266

Suffering and Death

3 Credit Hours

This course is a study of central themes, resources and methods employed in Christian theological reflection upon human suffering and death.

RELST 271

Jesus and the Gospels

3 Credit Hours

This course is a study of the life and teachings of Jesus based upon a critical analysis of both canonical and non-canonical Gospels together with an investigation of the ways in which the

image of the historical Jesus was transmitted and transformed within the Christian communities that produced and utilized these gospels.

RELST 299

Issues in Religion

3 Credit Hours

This course includes religious issues that will vary from semester to semester.

SOCIAL SCIENCE

SOCSC 101

World Geography

3 Credit Hours

Pre/Corequisite: P (RQ) ENGL-120 or HONOR-150

This course is an introduction to general geographical knowledge for students in the social sciences and humanities. It includes the study of maps, map making, physical and human geography. It emphasizes the interaction between people and their environment, and provides a detailed study of the world's geographic regions. May be taken to satisfy University core requirement in social sciences. Students in the Social Sciences Education major may be required to complete additional assignments. Priority enrollment will go to majors in history, history education and social sciences education. Prerequisite: 30 credit hours total and 2.5 cumulative grade-point average.

SOCIOLOGY

SOC 101

Introduction to Sociology

3 Credit Hours

This course is a multiculturally-oriented introduction to the study of society that looks at our social organization and belief systems, exploring how we both are shaped by them and change them. The dynamics of social agreements and conflicts are also examined, along with the consequences of inclusion and exclusion for people.

SOC 140

Sociology of Sports

3 Credit Hours

The fascination with sports on the part of American people is the focus of this course. Topics include competitive and self-competitive sports, professional and amateur sports and pseudo-sports. The course will analyze the mystique of sports and the nature of winning. Offered fall.

SOC 190

Introduction to Social Work and Social Welfare

3 Credit Hours

This course is an introduction to the field of social welfare and social work. It introduces the professions' values, its fields of practice, its history, social welfare policies and examines the field's major intervention methods. Emphasis is placed on various roles of social workers, the generalist method, cultural competence, the strengths perspective, and responses to the needs of the poor, families and populations at risk such as the elderly, children and people of color. Students will also

learn the core values and Code of Ethics of social work and be exposed to issues of diversity, oppression and social economic justice. Offered fall.

SOC 199

Introduction to Aging

3 Credit Hours

This course introduces the student to the field of gerontology through a variety of interdisciplinary venues including literature, gerontology, psychology, sociology and nursing. The student will be introduced to techniques of self-reflection and journaling to increase awareness of one's own perceptions of aging. Included are opportunities for elder client encounters that demonstrate successful aging and the complexity and diversity of the older client.

SOC 210

Sociology of the Family

3 Credit Hours

The meaning and experience of family varies across time, different cultures and different places. Sociology of the Family examines how this ancient institution continually adapts to social pressures and how its different incarnations help individuals adapt to a changing world. The course emphasizes important factors such as social class, race and ethnicity, gender and sexual orientation and how these relate to different experiences in family relationships, gender roles, marriage/partnership and domestic conflict.

SOC 214

Language, Culture and Society

3 Credit Hours

This course is an introduction to major anthropological and sociolinguistic concepts that explain both uniformity and diversity in language behavior. One focus is on the origin, development and variation of the world's languages. The general focus is on language diversity in North American English in terms of differences based on nation, region, ethnicity, class, gender, age, lifestyle and social context. Offered spring.

SOC 215

Medical Sociology

3 Credit Hours

This course analyzes the emergence of the health system in this country, including its interrelationships with the political, social and economic systems. Focus will be on the sociological definitions of health and sickness, on the social roles of patients, physicians, nurses and other health care professionals, and on the ideologies that define, shape and control the health care system. Offered as needed.

SOC 216

Career Training/Field Practicum Seminar for Social Work

3 Credit Hours

Pre/Corequisite: E (RQ) SOC-190

The course is designed to help students find internship and prepare for the internship requirements. It is also designed to assist students to make the transition from classroom learning to experiential learning and to make use of the field experience for learning and future career paths. Engaging in course

activities will provide students with an understanding of the transferable knowledge and skills in social work practice. The course also provides a practical guide to the realities of the field work experience. Offered fall I only for students who will register for the internship course the following spring.

SOC 220

Social Deviance

3 Credit Hours

In the nature of coexisting, groups engage in defining normative behavior by examining the behavior and choices of individuals they come to construct as deviant. In this course, students will examine the formation of deviant groups and lifestyles, the role played by alcohol and drugs in producing deviance as well as the societal functions of deviant behavior. Topics may range from serial killers to corporate deviance, from sexual to homicidal deviance. Offered as needed.

SOC 221

Social Problems

3 Credit Hours

In this course the distinction between social conditions and social problems is examined and several contemporary social issues are considered. The relationships among social problems, social organization, norms, role processes and social control are also explored. Offered as needed.

SOC 224

The Invention of Race

3 Credit Hours

This course explores the origin of the concept of race from Colonial North American law and then as a folk ideology in late 17th-century North America. It traces the evolution of this concept into a worldview that currently functions as the most fundamental way of understanding human variation. Offered fall.

SOC 225

Racial and Ethnic Relations

3 Credit Hours

In this course the sociological factors in racial and ethnic relations are examined. Consideration is given to the nature of institutional racism. The dynamics of prejudice and discrimination are analyzed.

SOC 235

Sex, Culture and Society

3 Credit Hours

This course examines the sexual legacies of our primate heritage. Human sexuality and gender roles are explored cross-culturally in their social, political and ideological contexts.

SOC 243

Chicago Neighborhoods

3 Credit Hours

Chicago, as has often been stated, is a city of neighborhoods. This course is designed to provide a sociological and an anthropological understanding of the complex, urban mosaic created by Chicago's rich and diverse neighborhood communities. Special attention will be paid to the social forces that shaped the city as well as to the ethnic enclaves, voluntary

associations, cultural institutions and historical sites that continue to enrich this vibrant metropolis. Offered fall or spring.

SOC 275**Women, Change and Society**

3 Credit Hours

This course examines how gender is socially constructed across time and across cultures. We explore how gender impacts the lives and choices of women and men in settings such as the family, career, politics, and the law. Offered spring.

SOC 280**Sociology of Education**

3 Credit Hours

This course covers the social origins of the American educational system, educational reform movements, the social organization of schools, power and status in the schools, teacher professionalization, student culture and the "student role", the "hidden curriculum" of schools, social inequalities and the school system, the effects of race, class and gender on education, and the future of American schools. Because of the close relationship between schools and their social environment, we will also trace the influence of social, political, economic and religious institutions on the goals, values and methods of American schools. Offered as needed.

SOC 283**Gangs and Society**

3 Credit Hours

In this course the historical evolution and social roots of gangs and street gangs in modern U.S. society are explored, along with their growth, recruitment and organization. Criminological theories are used to assess gang structure, characteristics and activities. Additionally, the relationships of gangs to each other, to crime and violence, to the law, and to the community are also explored. Offered as needed.

SOC 290**Death, Dying and Suicide**

3 Credit Hours

This course focuses on death, dying and suicide, which are examined socially, psychologically, religiously, politically and economically both in the United States and cross-culturally. Offered as needed.

SOC 294**Statistics and Research Design I**

3 Credit Hours

This course examines the fundamental principles and tools of social science research. Students will develop a basic literacy that enables them to understand and evaluate the merits and limits of various research strategies and tools of analysis, including social science statistics. Offered fall.

SOC 295**Statistics and Research Design II**

3 Credit Hours

Pre/Corequisite: P (RQ) SOC-294

This course examines social science problem solving through the use of various research tools, methods and research

designs. This portion of the sequence will incorporate learning with hands-on practice. Offered spring.

SOC 300**Social Theory**

3 Credit Hours

This course examines the basic concepts of classical and contemporary sociological theory. Offered fall.

SOC 307**Delinquency**

3 Credit Hours

This course considers the problem of delinquency in culture and its relation to conventional culture. We examine the introduction to delinquent lifestyles and their relationship to adult criminal behavior. Prerequisite: 3 credit hours in sociology or anthropology.

SOC 309**Gender and Globalization**

3 Credit Hours

This course examines the economic, socio-political and cultural aspects of globalization within the framework of contemporary debates about gender. The main focus will be on how globalization affects gender roles, ideology and the experiences of men and women in transnational contexts. Our own discussion of the meaning of globalization will address questions about the novel character of globalization, shifts in labor and production practices and the contested relevance of the nation-state. Offered as needed.

SOC 310**Mind, Self and Society**

3 Credit Hours

Pre/Corequisite: P (RQ) 3 credit hours in SOC or ANTH

This course examines the social origins of the individual's self or identity; the relationship between individuals and society; the social construction of reality and individual consciousness; the social presentation of self in every-day society; and the ways individuals try to shape how others perceive them. Offered as needed.

SOC 317**Violence Against Women and Girls**

3 Credit Hours

Studies the various forms of violence for which females are victimized at significantly higher rates. Students will examine (a) the theories related to female victimization, (b) the impact of stereotypes and myths on societal perceptions of female victimization, (c) the criminal justice system response to female victims and (d) the impact of victimization on the victims themselves and on females in general.

SOC 318**Sociology of Aging**

3 Credit Hours

This course explores the sociological aspects and theories of aging. Using a cross-cultural perspective, the content focuses on issues in life-course, leisure and retirement, social ecology and structure, interpersonal and intergenerational relations, and the economics and politics of aging. Offered fall.

SOC 325

Intersectionality: Race/Class/Gender

3 Credit Hours

This course introduces students to the complex and subtle ways social inequality is produced and reproduced in and through social practices. We will examine race, ability, class, sex and gender hierarchies as interrelated systems, none of which can be fully understood without reference to the others. We will explore how any individual's multiple statuses (race, class, gender, sexuality, ability) combine to produce sets of privileges and constraints. We will also examine the effects of social experiences on social perspectives. The course has a historical emphasis and so we will examine both 19th and 20th century roots of contemporary social arrangements. The course includes challenging abstract material on theories of race, ability, gender, class, culture, and power. Offered as needed.

SOC 327

Sociology of Childhood

3 Credit Hours

An examination of socializing agents, structural constraints and support by fundamental American institutions as they affect child development. Legal, commercial, religious, familial and political institutions are explored for their effects on the development of the young child. Offered as needed.

SOC 335

The Art and Science of Reminiscing

3 Credit Hours

This course will examine the therapeutic intervention of reminiscing utilizing theories in nursing and sociology as well as research and critical thinking skills. With a focus on the older adult client, attention will be given to active communication and therapeutic listening. Reminiscing will be explored from sociocultural, developmental, and clinical contexts. Opportunities to learn and apply principles of qualitative research will be incorporated. Offered spring.

SOC 345

Jurisprudence and Gender

3 Credit Hours

The Rule of Law is meant to establish a system of rules founded on principles rather than personalities. In this course we examine a system that is gendered, built on the story of men's lives. Our analysis takes us through at least three major strains of legal argument that begin with different assumptions and lead to different policy outcomes but all of which are guided by a notion of gender equality.

SOC 360

Social Class and Stratification

3 Credit Hours

This course focuses on social classes and on the theories, systems and consequences of how societies differentiate and rank both individuals and groups. Emphasis is placed on understanding the class structure of the United States along with the related concepts of power, authority, prestige, inequality and mobility. Offered as needed.

SOC 366

Senior Seminar and Project

3 Credit Hours

Pre/Corequisite: P (RQ) SOC-300

This course focuses on the pursuit of a major topic in sociology or in the function of sociology in society. Students conduct original research and produce a research paper. Offered spring. NOTE: This course is only open to sociology majors.

SOC 367

Research Practicum

3 to 9 Credit Hours

This is a course by special arrangement, designed to provide advanced sociology/anthropology students with an intensive research experience under the supervision of an individual professor. Topics, times and places will vary.

SOC 375

Field Placement in Applied Settings

3 Credit Hours

This course promotes the application of sociology to contemporary societal concerns. Development of skills pertaining to community outreach, consumer advocacy, social services, policy analysis or other settings involving directed social change. The choice of placement is made in conjunction with the instructor. Prerequisite: 6 credit hours in sociology or anthropology and junior standing. The most important objective of the internship is to enhance learning by providing students with opportunities to integrate and apply theories, research, values, methods and practice skills acquired throughout the curriculum to the reality of work with individuals, families, groups and communities. Doing an internship/practicum will help students acquire professional ethics and attitudes, e.g., integrity and responsibility, self-discipline, self-awareness, and commitment to others and to the goals of the profession. The choice of placement is made in conjunction with the instructor. By special arrangement with consent of instructor. Offered spring.

SOC 390

Independent Study

1 to 3 Credit Hours

Students who have done exceptionally well may take this course to pursue a topic of their own choosing. The student's eligibility, general topic, specific selection of readings and the format (e.g., a research paper, tutorial, short summary essays) will be worked out with the instructor. Offered by special arrangement.

SPANISH

SPAN 101

Elementary Spanish I

3 Credit Hours

This course is an introduction to Spanish for students who have had no previous study of the language. Class places equal emphasis on listening comprehension, oral expression, reading and writing. Basic cultural knowledge and grammatical structures are presented.

SPAN 102

Elementary Spanish II

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-101 or placement and Program Director's approval.

This course is a second semester study of Spanish for students who have a basic knowledge of the language. Class places equal emphasis on listening comprehension, oral expression, reading and writing. Cultural topics and grammatical structures are presented.

SPAN 103

Intermediate Spanish I

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-102 or placement and Program Director's approval

This course is a combination of grammar review and vocabulary development with a strong oral and reading component. It is a course designed for students who have had two semesters of Elementary Spanish or equivalent. Offered fall.

SPAN 104

Intermediate Spanish II

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-103 or placement and Program Director's approval

The class offers continued practice in speaking and understanding oral and written Spanish. It emphasizes reading and listening, and studies essentials of grammar. Offered spring.

SPAN 200

Advanced Grammar and Composition

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-104 or placement and Program Director's approval

This course is an in-depth study of the Spanish language. Practice of basic techniques of composition and writing of expository descriptive and narrative prose. Introduction of models from representative Spanish essays and short stories. Active writing practice with weekly compositions. Highly recommended for Spanish native speakers. Offered fall.

SPAN 206

Language and Culture II

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-104 or placement and Program Director's approval

This course aims to provide an ongoing review of grammar, reading, writing and conversational practice, and increase the students' awareness of Hispanic culture by introducing them to some of its manifestations.

SPAN 209

Spanish for Health and Medical Professionals

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-102 or Placement or Permission

This course is aimed at professionals in the field of Health Sciences: doctors, nurses, students and interpreters who

carry out their activity in a bilingual English-Spanish context. It provides specific training to improve linguistic competence in Spanish, from specialized medical terminology to the Hispanic dialect variants used by patients in the clinic, or the resources that the professional may have at their disposal to answer questions. This course is designed to teach Health Care and related fields students how to do specific tasks in Spanish. Although non-native speakers of Spanish at any level are encouraged to enroll in this course, to have completed Elementary Spanish II (Span 102) is recommended. Students who are interested in acquiring Spanish language in general are invited to enroll in traditional Spanish courses. This course is taught in Spanish.

SPAN 210

Advanced Spanish Conversation

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-104 or placement and Program Director's approval

This course provides students with advanced oral practice in a conversational setting. Advanced Spanish vocabulary acquisition and correct pronunciation are stressed in this course. Class is conducted entirely in Spanish and students are expected to participate actively on a daily basis. Offered fall.

SPAN 211

Spanish for Spanish Speakers

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-104 or placement and Program Director's approval

A course designed to reactivate the oral skills of heritage-speakers of Spanish, to acquire knowledge about Hispanic/Latino cultural heritage, to augment Spanish literacy skills and to develop academic Spanish language skills. Offered spring.

SPAN 212

Spanish in the Workplace

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-104 or placement and Program Director's approval

An advanced course that provides intensive oral and written practice for those students interested in working on their Spanish language skills in preparation for entering diverse professional environments.

SPAN 217

Women in Mexican Culture

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-104 or placement and Program Director's approval

This class will study the impact of female figures such as Our Lady of Guadalupe, Malitzin/Malinche and la soldadera have had in traditional Mexican culture and their unexpected transformation into 21st century Latina/o cultural and religious icons. Class discussion will be conducted in English. Students of SPAN 217 will read and write in Spanish.

SPAN 220

Interpretation of Texts

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course focuses on close reading and analysis of selected texts in prose, poetry and drama. The primary objective of the course is to familiarize students with methods of interpretative criticism and with Hispanic literary terminology. This course is taught in Spanish.

SPAN 231

Introduction to Hispanic Culture and Civilization I

3 Credit Hours

This course is designed to acquaint students with basic characteristics and major trends of Hispanic life, culture and civilization, both in Spain and Latin America since pre-Columbian era until 1810-1824, when the process of Latin American independence is almost complete with the exception of Cuba and Puerto Rico. Spanish-speaking communities in the U.S. and their impact on American society are also examined. This course is taught in English.

SPAN 232

Introduction to Hispanic Culture and Civilization II

3 Credit Hours

This course is designed to acquaint students with basic characteristics and major trends of Hispanic life, culture and civilization, both in Spain and Latin America the independence of the colonial territories, starting in 1810-1824, until contemporary times. Spanish-speaking communities in the U.S. and their impact on American society are also examined. This course is taught in English.

SPAN 260

Selected Topics in Hispanic Literatures and/or Cultures

3 Credit Hours

This course offers an academic and comparative approach to the study of a particular topic of interest in any period or area of Hispanic literatures and/or cultures. Offered at the discretion of the program based on students interest and/or need. This course is taught in English and/or Spanish, and it is designed as an elective course for Spanish majors and for students in general who are not majors.

SPAN 300

Field Work

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This is an internship course designed to provide students with the opportunity of working with Spanish-speaking people.

SPAN 307

Golden Age Poetry

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course focuses on the study of poetry as a genre and the particularities of poetry in Spanish. In-depth analysis of poets and styles of the Renaissance and Baroque periods. Study

of the connection between poetry and society in the 16th and 17th centuries. Students will read critical and historical works on different aspects of the poetry studied. This course is taught in Spanish.

SPAN 312

Literary Responses to Armed Conflicts in the 20th Century

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course questions the role of literature during war and during dictatorship, the role of censorship and the role of literature as a testimony. This course is taught in Spanish.

SPAN 314

Realism and the Turn of the Century

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course focuses on the development of the Spanish novel and its complexities, primarily the growing use and elaboration of numerous points of view and layers of narrative voices. The course will follow the evolution of the 19th century novel to the so-called "Generacion del 98." Students will read critical works and literary manifests of the period. This course is taught in Spanish.

SPAN 315

Imaginary Caribbean: Literature of Cuba and Puerto Rico

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course will focus on the Caribbean as the site of the imaginary: how Europeans in the 16th century variously conceived of the area as the site of religious Utopia as well as commercial exploitation; how Cuban and Puerto Rican authors of the 19th century simultaneously sought to achieve independence from Spain as they articulated notions of nationhood. Finally, the course will examine Cuban-American and U.S. Puerto Rican authors of the Diaspora. The thread binding these three disparate groups together will be the concept of la nacion sonada [the dreamt nation]. This course is taught in Spanish.

SPAN 316

Latin American Responses to Colonization

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course will consider and analyze the different ways in which Latin Americans have "written" a response to their colonial status, long before and after the countries of the continent were recognized as separate national entities. This course is taught in Spanish.

SPAN 317

Narrative and Spectacle of the Mexican Revolution

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course will consider the artistic expression of the Mexican Revolution within its historical context. It will also analyze popular U.S. responses to the revolution through Hollywood's view of the events and of some of the best-known protagonists of the conflict. In line with current feminist theories, the course will also examine the role of la soldadera, the female fighters of the Mexican Revolution. This course is taught in Spanish.

SPAN 319

Cervantes' Don Quijote

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

The reading of Cervantes' masterpiece will be guided by a series of pivotal questions generated during the reading, including discussion of literary concepts, thematic elements, and ideas transcending the plot, such as, but not limited, to: What does it mean to be a "good reader"?; Is Don Quijote a "good reader"?; What does it mean to be mad?; Is Don Quijote mad?; What is "reality" in the novel?; Is Cervantes condemning chivalric literature?; Who is the author of the novel? Besides the text of Don Quijote, reading material will include: the chivalric novel Amads de Gaula, critical readings on parody, critical works on Don Quijote and on Cervantes' theory of the novel, a biography of Cervantes, and works on the life in Spain in the 16th century. This course is taught in Spanish or English.

SPAN 334

Film and Literature

3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

This course will attempt to bridge the gap between visual narratives and textual narratives by choosing a theme and demonstrating how each kind of narrative, movies and literature, presents a point of view, deals with a creator's vision and with the limitations inherent to its form in its attempt to "tell a story." This course is taught in Spanish.

SPAN 374

Methods of Teaching Foreign Language in Secondary Schools

3 Credit Hours

This course examines the trends in methodology of foreign language teaching in the United States. Course includes the development of ability in determining, stating and evaluating objectives. Emphasis on individualized instruction. Class demonstration of teaching techniques with the use of audio-visual equipment. Level 2 education course: requires admission to the Education Program. Offered fall.

SPAN 392

Selected Topics in Hispanic Literatures and/or Civilizations

1 to 3 Credit Hours

Pre/Corequisite: P (RQ) SPAN-200 or SPAN-211 or placement and Program Director's approval

Study of a particular topic of interest in any period or area of Hispanic literatures and/or civilizations. The central topic as well as the title of the course remains open every semester. This course is offered at the discretion of the program based on student interest and/or Program need. This course is taught in Spanish or English.

SPAN 395

Senior Seminar

3 Credit Hours

This course is a study of literature using current methodologies, critical approaches and research techniques. At the end of the semester, students will be able to write and present a senior academic paper research under the supervision of a faculty member. This course is taught in Spanish. NOTE: Senior standing as a Spanish or Spanish/Sec Ed major and Program Director's approval

SPECIAL EDUCATION

EDUSP 320

Characteristics and Diversity of Students With Disabilities

3 Credit Hours

This course provides a study of disabilities, in individuals from preschool to age 22, as well as etiologies and medical conditions and the impact of disabilities on development, learning, and communication processes. The characteristics, learning needs, family needs, adaptive equipment, assistive technology, community integration, and vocational options are explored. 15 field experience hours.

EDUSP 321

Foundations of Special Education

3 Credit Hours

This course provides a study of philosophical, historical and legal foundations of special education. Candidates investigate the service delivery models, court cases, legislation, advocacy, and self-determination of students with disabilities. 5 field experience hours.

EDUSP 322

Adaptations, Accommodations, and Assistive Technology

3 Credit Hours

This course provides investigation and development of adaptations for instruction, communication, and assessment for students with disabilities, and interaction with their families, paraprofessionals, colleagues, community members, and other service agencies. Candidates develop accommodations of multiple curriculum areas across the age range from K to age 22. 15 field experience hours.

EDUSP 324**Psychoeducational Assessment**

3 Credit Hours

Pre/Corequisite: P (RQ) EDUSP-320

This course includes theoretical and practical study of the instruments and processes used for nondiscriminatory evaluation of students with disabilities in the areas of academic, social, and vocational function. Analysis of test construction, considerations of legal and ethical issues in the administration of specified tests and the interpretation of various scores, and Illinois Alternative Assessment are also discussed in this course. 10 field experience hours.

EDUSP 325**Methods for Teaching Students With Disabilities**

3 Credit Hours

Pre/Corequisite: P (RQ) EDUSP-324

This course provides an examination and implementation of research-based effective strategies and materials for teaching students with disabilities from K to age 22 in the areas of academic, social and vocational function. Emphasis is on transfer and generalization in inclusive settings, including physical and academic prompts and adaptations. Focus is also on IEP development, responsive to Illinois learning standards and aligned with assessments, and inclusive of progress monitoring. 15 field experience hours.

EDUSP 326**Behavior Management**

3 Credit Hours

This course explores behavior management of classrooms as a three-dimensional construct, including prevention of misbehavior through effective instructional design, addressing inappropriate behavior through effective management techniques, and decreasing inappropriate behavior through effective positive behavior support plans. Recognition of age-appropriate and developmental needs of typical and atypical students serves as a foundation. 10 field experience hours.

SPORTS AND FITNESS ADMINISTRATION**SAFA 320****Sport Program and Administration**

3 Credit Hours

Pre/Corequisite: P (RQ) BUSP-101 EXSC-130

This course studies the administrative aspects of fitness, recreational sport and school athletic programs. Students will review the developmental aspects of program implementation, operational practices, public relations, budgeting, office management and program evaluations. Offered fall.

SAFA 381**Sports and Fitness Administration Internship**

3 Credit Hours

Pre/Corequisite: P (RQ) BUSP-101 EXSC-130

Students will work in professional settings appropriate to student career interests or in a faculty-supervised project of sufficient depth and responsibility. Placement is approved by the program's internship supervisor. Offered fall, spring, and summer.

SAFA 391**Sports and Fitness Administration Senior Seminar**

3 Credit Hours

Pre/Corequisite: P (RQ) BUSP-101 EXSC-130 EXSC-319

Students are provided an overview of contemporary issues, trends, theories, and research related to exercise science. This course is a capstone course designed to integrate the student's prior academic experience in sports and fitness. Students will bridge the foundational curricular experience with professional preparedness and/or professional certification. The course is delivered in a seminar format to encourage student participation and interaction with peers and faculty. Offered fall, spring, and summer.

TRANSITIONS**TS 100****Transitions**

1 Credit Hour

As part of the First Year Experience, this one-credit hour course provides support and knowledge to new students, assisting them with their passage from high school to Saint Xavier University. In the course, students learn about the University's Catholic and Mercy Mission, providing them with a foundation essential for the integration of knowledge pivotal to the students' discernment of their purpose/vocation, as well as their development as responsible citizens with a strong sense of personal and social responsibility.

WOMEN'S STUDIES**WMSTU 232****Introduction to Women and Gender Studies**

3 Credit Hours

This course addresses the relationship between biological sex and the construction of gendered identities. As a result, this course deals directly with this relationship, as well as the historical conditions that give rise to this relationship, by examining writings about women and men and femininity and masculinity, from a range of disciplines that include the cultural, the sociological and the anthropological. Offered fall.

WMSTU 260**Special Topics**

3 Credit Hours

Topics for this course will vary.

WMSTU 360**Special Topics**

3 Credit Hours

Topics for this course will vary.