

# Muskingum University Academic Catalog

2020-2021

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# Muskingum University Academic Catalog

## ACADEMIC POLICY AND PROCEDURES

### Academic Credit and Class Standing

Academic credit is expressed in terms of semester hours. A student's classification is determined by the number of credit hours completed toward graduation. The minimum number for each classification is: sophomore–28, junior–60, and senior–92.

### Academic Dishonesty, Plagiarism

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses at Muskingum University, and the faculty member has the prerogative of invoking the severest penalty for an initial offense. Each department is responsible for developing its definition of plagiarism, but in general, plagiarism is the verbal, written, graphic, or three-dimensional presentation of borrowed material without citing its source. Students must cite the source for quotations, paraphrases, borrowed ideas, models, information, or organization of material. Students who are uncertain about the need for citation should consult the faculty member for whom the work is being prepared. For a first offense, the minimum penalty for plagiarism and/or cheating is a failing grade on the assignment, paper, or examination; the maximum penalty in this instance is a failing grade in the course. In either case, the faculty member should submit a written report of the offense to either the Office of the Provost or the Office of the Vice President for Graduate and Continuing Studies as appropriate. The student guilty a second time may be suspended or expelled from the University. Plagiarized work is filed in the office of the Provost or the Office of the Vice President for Graduate and Continuing Studies as appropriate. A grade given for academic dishonesty shall supersede any withdrawal. See additional information under "Order of Appeal."

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

### Academic Honors

At the end of each semester, the University publishes an honor roll, with three different levels of recognition; President's List, Dean's List, and Academic Merit.

- The President's List contains the names of undergraduate degree-seeking students who earned a cumulative GPA of 3.90 or above on a minimum load of 12 completed semester hours of A-F graded coursework.
- The Dean's List contains the names of undergraduate degree-seeking students who earned a term GPA of 3.60 or above on a minimum load of 12 completed semester hours of A-F graded coursework.
- The Academic Merit list contains the names of undergraduate degree-seeking students who started the semester as a part time student (minimum load of 6 completed hours) and earned a term GPA of 3.60 or above on A-F graded coursework.

Students are awarded the highest recognition level for which they are eligible in a given semester, and the level of recognition is marked on the students' transcripts for the term in which the recognition occurs.

Each spring, traditional degree-seeking students who have distinguished themselves academically are honored at the Celebration of Excellence program.

Three classes of honors are conferred at graduation: cum laude, to those with cumulative minimum grade point averages of 3.4; magna cum laude, minimum 3.6; and summa cum laude, minimum 3.8. All post-secondary work must meet these standards, with the exception of approved off-campus study as a Muskingum student (such as Washington Semester and study abroad). A Latin Honors GPA cannot be higher than the GPA earned at Muskingum. With the exception of approved off-campus study as a Muskingum student, grades earned elsewhere will lower but not raise the Latin Honors GPA, even if the courses for which the grades were earned were not applied by transfer to

the Muskingum record. To be eligible for honors designation, students must have completed all degree requirements. Students completing second baccalaureate degrees are also governed by this policy.

The student with the highest cumulative GPA who qualifies for summa cum laude recognition will be designated valedictorian. The student with the second highest GPA who qualifies for summa cum laude recognition will be designated salutatorian.

## Advising

New first-year students are assigned to faculty or staff advisors through the First-Year Program. These advisors provide counsel and assistance in academic and social acclimation and arranging course schedules. Students are required to declare a major no later than the middle of the second semester of their sophomore year. Once a student declares a major, he/she is then reassigned to a faculty advisor who teaches in that major.

## Affiliate Programs

Muskingum University offers students the opportunity to earn academic credit from other institutions through its affiliate programs. These programs are typically focused toward a particular academic or internship experience for which the off-campus institution offers a specialization that cannot be obtained on campus. Following is a description of the programs for which Muskingum has affiliate agreements. Students participating in these programs are generally considered to be enrolled at Muskingum University.

On receipt of an official transcript from an affiliate program, credit will be awarded for all pre-approved coursework in which a passing grade has been assigned. Letter grades, but no equivalent quality points, will be assigned to transfer work. With the exception of calculations for Latin Honors and Dean's List, neither term nor cumulative grade point average will be affected by transfer work from affiliate programs.

**Speech Pathology and Audiology** emphasis is available through an agreement with Kent State University. A bachelor's degree from Muskingum with this emphasis provides students the opportunity to enter the graduate program in Speech Pathology or Audiology at Kent State University.

**Study Abroad/International Study** provides the opportunity for sophomores, juniors and seniors to study for one or two semesters at a foreign university through Muskingum's exchange programs. Formal student-exchange agreements exist between Muskingum University and institutions in Asia, Canada, Europe, and South America. In most cases there is no extra fee for participation in these exchange programs. Students interested in study abroad should consult the Coordinator of Study Abroad for further information. To make certain that their programs of study satisfy Muskingum's requirements, students must have their programs approved by the Coordinator of Study Abroad. Study abroad opportunities outside of those already established at Muskingum are also possible, as are short-term study abroad programs.

**Washington Semester** is available through a cooperative arrangement with American University in Washington, D.C. It offers students in-depth experiential learning in their choice of a dozen areas of study including American politics, international relations, justice and law, journalism, international economics and business, public health, and more. The curriculum includes a full-time academic schedule (8-12 hours) and an internship in the heart of the nation's capital (4 hours).

## Attendance Policy

The academic program of Muskingum University operates on the assumption that learning is advanced by regular attendance at class and laboratory.

It is the responsibility of the student to arrange to make up, at the convenience of the instructor, class assignments or previously scheduled quizzes and/or exams missed due to absence. Timely (at least one week in advance) notice to professors when absence will be unavoidable is expected. No instructor may deny a student the opportunity to make up coursework missed because of bona fide medical, personal or family emergency, or, when timely notice is received, because of previously scheduled participation in institutionally sanctioned activities.

Individual faculty members determine their own class attendance policy in accordance with the preceding paragraph. At the beginning of each semester, the faculty member is responsible for informing students of his/her attendance policy or expectations and of the consequences or penalties for excessive non-sanctioned absences. The faculty member must define “excessive.”

## **Auditing Courses**

Auditing is subject to space availability. For full-time traditional students, there is no charge to audit, but permission must be received from the Registrar, the faculty advisor, and the course instructor. The decision to audit a class must be on file with the Registrar by the end of the add/drop period and cannot be changed. Non-attendance results in a grade of W. Those over 62 years of age may audit a course under the same regulations. Part-time students are charged a fee to audit.

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

\*\*Graduate students should refer to the Graduate Catalog.

## **Catalog of Entry**

Undergraduate students who complete graduation requirements in four years are under the catalog in effect at the time of first enrollment. Students may elect to meet the graduation requirements of a later catalog, subject to guidelines of professionally-accredited disciplines.

Students who do not meet graduation requirements within seven calendar years of first enrollment must meet the requirements of the catalog in effect at the time of graduation or of a catalog published no more than four years earlier than the time of graduation.

## **Commencement Policy**

Seniors planning to graduate must apply no later than 8 weeks prior to the date of Commencement. Students who fail to apply by this deadline may incur additional fees and/or may not be permitted to participate in commencement exercises. The Application to Graduate is found on Muskie Link.

Students must have all coursework fully planned by the time of commencement. If a student has additional coursework to complete (up to 12 hours) after commencement, they may petition the Provost or the VPGCS, as appropriate, to participate in commencement ceremonies. Petitions must be submitted to the Provost or VPGCS, as appropriate, at least 4 weeks prior to commencement and will be considered on a case-by-case basis.

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

## **Course Repeat Policy**

A student may repeat a course once if the original grade is a C- or lower and provided it is repeated at the next offering, or provided that no more than one intervening course has been taken in the discipline offering the course. A course may be repeated only one time. When a course is repeated, both grades remain on the record but only the most recent grade is used in computing the grade point average unless the most recent grade is I, WIP, or W. While the grade for a repeated course erases the GPA calculation that may have been the basis for decisions about academic standing such as probation, dismissal, or Dean’s List, those decisions are not affected by the recalculation. Students cannot receive credit twice for any course repeated to replace a grade.

## **Course Withdrawals**

Students may withdraw from full semester courses through the 60th day of the semester, and from partial semester offerings until the course is three-fourths completed. Withdrawals are not permitted after the specified time.

The process for course withdrawal is initiated in the Registrar’s office.

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

## Full Time Status

The minimum semester load for a full-time student is 12 semester hours; the maximum load is 20 hours. Students with less than a 3.0 cumulative GPA must petition the Provost to register for more than 17 hours no later than the second week of classes. Full-time status is determined at the end of the add/drop period, after which time course withdrawals have no effect on full-time status with regard to charges for tuition and fees. Full-time status is required, however, for participation in a sport. Other areas of extra-curricular and co-curricular activities may also be impacted.

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

## Grade Point Average

Your semester grade point average (GPA) is calculated by dividing the total amount of grade points earned (grade equivalent quality points times credit hours for the course) that semester by the total amount of graded credit hours attempted that semester. Your grade point average may range from 0.0 to a 4.0. P/NP (Pass/No Pass) courses are not factored in the GPA. The following marks do not receive grade points and do not have an effect on the GPA: I, WIP, S, U, W, L, and NR.

To calculate your cumulative GPA, total the graded credit hours and then the grade points from all semesters. Divide the total grade points by the total credit hours.

Students who have been readmitted to Muskingum after seven calendar years from their previous enrollment may choose not to carry the cumulative GPA from the prior enrollment.

## Grading Policy

Grades are assigned on a scale ranging from A, excellent, to F, failing. The grades' equivalent quality points are: A, 4.00; A-, 3.67; B+, 3.33; B, 3.00; B-, 2.67; C+, 2.33; C, 2.00; C-, 1.67; D+, 1.33; D, 1.00; D-, 0.67; and F, 0.00. Other grades are WIP, for work in progress; I, incomplete; S, satisfactory (C- or above); U, unsatisfactory (D+ or below); W, withdrawn; L, audit; and NR, not reported.

The grade of work in progress (WIP) is given in a course where work has been recognized as requiring research, study or participation beyond the normal limits of a semester. It may be used for departmental senior studies (400-level courses), for courses involving outside observation hours or for students in the PLUS learning disabilities program.

An Incomplete (I) indicates that unusual personal or technical circumstances, including illness and family emergencies, have prevented the student from completing course requirements.

Except in extraordinary circumstances failure to complete the required work by the last day of the immediately subsequent semester reduces the WIP or I to an F. No student is awarded a degree with a record which includes a WIP or an I.

\*Graduate students should refer to the Graduate Catalog.

## May Term & More (Traditional Undergraduate Summer Term)

Muskingum's undergraduate summer program, offers a broad selection of courses in a variety of delivery formats, including classroom-based, online, and blended learning. Students may also select from a range of scheduling formats starting with the intensive 4-week May session and continuing throughout the summer with 10-week, 5-week and 1-week courses. May Term & More classes are open to all Muskingum students as well as students from other schools who are in the area during the summer.

## Order of Appeal

Faculty members are responsible for outlining grading policies to students at the beginning of each course. If students believe they have received a wrong grade on an examination or for a course, the initial step is to discuss the grade directly with the faculty member teaching the course. If that step does not result in a satisfactory explanation or resolution of the perceived problem, the student may bring the matter to the attention of the department chair. The next person in the line of appeal, should the student continue to contest the grade and wish to pursue an appeal, is the division chair. Should the person to whom the student would bring the appeal in this process also be the faculty member in whose course the grade is being questioned, that person has no jurisdiction over the appeal. In the latter case, the Provost or the Vice President for Graduate and Continuing Studies, as appropriate, will call on an appropriate faculty member from the department or related department in the division to review the circumstances and make a recommendation to the Provost, who will be the final arbitrator in any such appeal.

The same process detailed above applies to disputes over alleged plagiarism or other cases of academic dishonesty, although the student may appeal the decision of the Provost to the President. The maximum penalty for the first instance of academic dishonesty is failure of the course; for a second, expulsion from the University.

Students judged guilty of violating library regulations may appeal to the Director of the Library and to the campus Judicial Board.

A student who believes that a faculty member has acted in an unprofessional manner can bring a charge of unprofessional conduct to the faculty's Professional Relations Committee. The committee, which functions to protect the full rights of all parties concerned, will try to determine whether the charges should be sustained. The hearing is private; both parties have the opportunity to be heard in their own cause, and the faculty member personally selects advisors. A full stenographic record of the hearing is taken and made available to both parties. Either party may request the testimony of other instructors or students when it can be shown that these persons have access to facts that bear on the case. At the conclusion of the hearing, the committee renders its judgments and recommendations in writing to the parties concerned. Written copies of the Committee's judgment and recommendation shall be placed in the files of both parties in the office of the Provost.

## **Pass/Fail Option**

### Pass/Fail Option

Under the Pass/Fail Option, a junior or senior may take two courses per year for credit outside the major or minor and the University's General Education Requirements without having the grade count toward the cumulative grade point average. The student must have a GPA of 2.00 or higher and permission from the Registrar, the faculty advisor, and the course instructor. Only S (pass) or U (fail) grades are given. The decision to take a course on the Pass/Fail Option must be declared by the end of the add/drop period and cannot be changed after the add/drop period. The limit of courses taken under the Pass/Fail Option does not include courses designated exclusively S/U.

## **Registration**

New students entering in the fall are scheduled for classes during the summer; new students entering in the spring are scheduled for classes beginning in early December. Continuing students schedule their classes for the next semester in the latter part of the current semester. Changes (add/drop) may be made to schedules at any time until the end of the fifth day of class.

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

## **Second Baccalaureate Degree**

To obtain a second Bachelor's degree in a major different from that of the first degree conferred, a student must:

1. Develop an appropriate plan of study comprised of at least 30 semester hours of courses that do not duplicate those constituting the major(s) of the first degree.
2. Obtain approval of the plan of study from the department of the proposed new major, and the Provost.

3. Successfully complete at least 30 semester hours in residence at Muskingum University beyond the first degree, including a capstone experience and half of the hours for the major.

4. Earn a grade point average of 2.00 or above must be earned for all coursework presented in the new program. Some areas or majors may require a higher GPA for graduation.

## Senior Studies

Senior Studies provide a capstone experience for seniors in their major field of study. Through a seminar (an individual study or an advanced field experience), students learn to use bibliographic and research techniques and sources applicable to their chosen discipline; integrate earlier course work into a coherent pattern; engage in an extensive writing experience; gain experience in oral communication; develop independence, self-reliance and creativity; and explore a topic in depth.

## Special Programs

The Center for Regional Planning and Development offers students the opportunity to work with faculty to gain experience solving real-world problems in regional development. Areas of focus include administration, business, the environment and education. The Center provides southeastern Ohio communities with low-cost solutions, and serves as a laboratory for students to apply to real-world problems what they have learned in the classroom.

Directed Study\* permits students, under special circumstances, to enroll in an existing course at an alternative time to the class schedule. This requires a course contract with a cooperating faculty member and approval by the Provost. The contract specifies required meeting times, readings, writing assignments, studio, or laboratory work. Only students who have earned 60 credit hours are eligible to take courses by directed study. Students may register for directed study courses through the fourth week of the semester. Additional fees may apply.

\*Adult undergraduate degree completers should consult the MAP Guidebook.

**First-Year Seminar** The First-Year Seminar course provides entering first-year students with a common academic experience during their first semester. Muskingum's primary purpose is to develop the "whole person"; in keeping with this mission the course offers an extended orientation to the institutional environment and is designed to create a successful transition to the academic expectations and campus life of the institution. The course, which is required of all first-time, first-year students, includes a significant advising component and introduces students to academic and student services resources.

**Interdisciplinary Majors** draw on offerings in various departments. Students may elect an already established interdisciplinary major in American Studies, Animal Studies, Athletics Communication, Conservation Science, Criminal Justice, Child and Family Studies, Digital Media Design, Environmental Science, Humanities, International Affairs, International Business, Journalism, Molecular Biology, Neuroscience, Public Administration, or Sport and Fitness Science, or may construct a self-designed interdisciplinary major in an area not currently available in the curriculum.

**Internships and Career Field Experiences** encourage students to apply and extend their learning in real-world contexts. In recent years, Muskingum interns have earned academic credit while learning through experience in law and legislators' offices, radio and television stations, hospitals, mental health institutions, businesses, and field research sites. These experiences are sponsored by individual academic departments. The Office of Career Services also assists students seeking internships that complement their personal learning goals. The goals, expectations and specific learning requirements are carefully specified in advance to assure good rapport among University staff, the students, and the various cooperating agencies.

Students may initiate internship proposals, but all internships must meet the same minimum standards and be approved by the department chair or program coordinator, supervising professor, and Provost's Office prior to the beginning of the experience or within two weeks of the beginning of the experience. To be eligible for an Internship, a student must have achieved junior standing (60 hours) prior to the internship and must have at least a 2.5 cumulative GPA. A minimum of 40 work hours combined with readings and written projects or papers is required for each semester hour of credit. Internships are graded S/U. Refer to the departmental listing or website for more details about credit, or speak with the department chair. A maximum of 16 hours of internship, including fieldwork in student teaching, may be applied toward graduation and a maximum of 6 hours may be earned in any one

semester or summer session. To be eligible for a Career Field Experience, a student must have earned a minimum of 28 credit hours prior to the beginning of the experience and must have at least a 2.0 cumulative GPA. A minimum of 40 work hours combined with readings and written projects or papers is required for each semester hour of credit, with a maximum of 2 credits allowed per experience.

## Student Responsibility

The student is responsible for meeting all appropriate course, major, and graduation requirements as stated in this catalog. Although a student and an advisor are partners, the student needs to be knowledgeable about academic requirements and take the initiative in planning his or her own program, in setting goals, and in monitoring progress toward completing such goals.

## Transcripts

Official copies of Muskingum University transcripts bearing the University seal and the Registrar's signature are sent directly to schools or organizations upon the request of students or alumni. Individuals may also receive official copies of the transcript (which are stamped "Issued to Student") following the same ordering process. Students may request transcripts by going to: <https://www.muskingum.edu/registrar/transcript-information>.

Currently enrolled students can obtain unofficial copies of their Muskingum University transcripts through the University's on-line academic record system. Grades are recorded on transcripts at the end of each term. Students may request that transcripts be held until grades for the courses in which they are enrolled are recorded. Transcripts and diplomas are not released for students with overdue accounts.

## Transfer Student Policies

To be eligible for transfer credit, courses must be completed at a regionally accredited college or university with a passing grade or better. Remedial courses are not eligible for transfer credit. A transfer student might be asked to provide a college catalog from their previous institution(s) and/or a course syllabus for specific classes.

All transfer students must complete a minimum of 32 credit hours at Muskingum University, regardless of the number of credits transferred from other institutions, in order to graduate from Muskingum.

Class standing is determined by transferable semester credit hours. Minimum credit hours for class status are: sophomore (28), junior (60), senior (90).

Quarter hours earned at previous institutions are modified to semester hours. One quarter hour equals 0.67 semester hours.

Students may earn credits and/or advanced standing through departmental proficiency examinations, Advanced Placement Program, College Level Examination and through military service and lifelong experience.

Muskingum adheres to the Ohio Transfer and Articulation Policy. Students who have earned an Associate's Degree, or who have completed at least 60 semester credit hours of earned transferable credit, from regionally accredited institutions, are permitted to complete the General Education Requirement (Degree Requirement # 8) through successful completion of the Transfer Module recognized by the Ohio Board of Regents. Eligible students who have not completed a recognized Transfer Module may fulfill this requirement by completing the following requirements through a combination of transfer credit and/or Muskingum University coursework:

At least 3 semester credit hours in English Composition/Oral Communication

At least 3 semester credit hours in Mathematics/Statistics/Logic

At least 6 semester credit hours in Arts/Humanities

At least 6 semester credit hours in Social/Behavioral Sciences

At least 6 semester credit hours in Natural Sciences.

A total of at least 36 semester credit hours from the above categories

A 3 credit upper-level Moral Inquiry course (see General Education Requirements- Moral Inquiry category)

A 3 credit upper-level Writing Unit course (Writing Unit courses are designated in the schedule with a “#” in the title)

## Transferring Courses

Credit toward a degree from Muskingum University may be granted for coursework taken at other regionally accredited institutions. On the basis of official transcripts and course descriptions, equivalency, elective credit, or no credit is determined in consultation with chairs of the various departments. Muskingum adheres to the Ohio Transfer and Articulation Policy. Requirements of specific majors or programs may be more stringent. Transfer credit is not accepted for courses for which previous credit has already been granted. Transfer credit may not be used to replace grades earned at Muskingum University. Only credit hours transfer, not the corresponding grade point average for transfer work, except to determine Latin honors (for which the grade point average may be lowered but not raised).

## GENERAL EDUCATION REQUIREMENTS

### 2020-2021 General Education Requirements

2020-2021 General Education Requirements

General Education in the Liberal Arts and Sciences Curriculum

The General Education (referred to as gen ed) Requirements at Muskingum University ensure the breadth inherent in a liberal arts education. A liberal arts education requires that students understand the foundations of knowledge and inquiry about nature, culture, self, and society; that students master core skills of perception, analysis, and expression; that students recognize the importance of historical and cultural contexts; and that students explore connections among formal learning, citizenship, and service to our communities. Students will take most of their gen ed requirements in their freshman and sophomore years, along with some courses in their major or other elective courses.

Core Requirements

Forming the core of the General Education Program are courses in communication in writing and speech:

#### 1. Communication in Writing

This category is designed to develop the ability to communicate clearly and effectively in writing. Objective: Students will demonstrate effective communication through writing.

ENGL 121. Composition (3 hours) (Exempted with SAT W-620/ACT E-28)

Two writing unit courses (3 hours each), one at the 300- or 400-level. A “writing unit” uses writing as a substantial mode of learning and is identified in the Undergraduate Course Schedule listings on MuskieLink and in the MAP Schedule by the symbol # preceding the course title.

#### 2. Communication in Speech

This category is designed to develop the ability to communicate clearly and effectively in speech. Objective: Students will demonstrate effective communication through speech.

COMM 200. Fundamentals of Speech Communication (3 hours)

Distribution Requirements

Students must successfully complete courses from at least 10 different prefixes (e.g. ART, PE, MATH) from the following Gen Ed categories.

### 3. Communication in a Global and Digital Age

This category is designed to develop communication and information-gathering skills through emphasis on a non-native language or other means of communicating in a technology-driven, global society. Minimum of 3 hours or participation in a Muskingum University-approved international program. Objective: Students will demonstrate effective communication skills in a non-native language or identify and use digital resources to communicate.

Computer Science 100: Introduction to Computer Science

Digital Media Design 400: Principles of Interactive Design

Education 335: Educational Technology

French 111: Beginning French I

French 112: Beginning French II

German 111: Beginning German I

German 112: Beginning German II

Media 210: Media Literacy

Media 300: Visual Communication

Library 220: Beyond Google: Research Skills and Resources

Spanish 111: Beginning Spanish I

Spanish 112: Beginning Spanish II

### 4. Religious Understanding

This category is designed to develop an understanding of religious ways of life. Minimum of 3 hours. Objective: Students will explain how religious belief systems interrelate with human life.

English 245: Bible and Literature

Religion 150: Biblical Theology

Religion 153: World Religions

Religion 220: Hist. of Christianity: Ancient and Medieval

Religion 226: Hist. of Christianity: Reformation and Modern

Religion 251: The World of Islam

Religion 252: The Judeo-Christian Tradition

Religion 260: Introduction to Christian Theology

Religion 261: Women and the Bible

Religion 290: Topics in Religious Understanding

Religion 301: Old Testament Literature

Religion 302: History and the Bible

Religion 303: New Testament Literature

Religion 304: Jesus in the New Testament

Religion 342: Religions and Philosophies of Asia (cf: Philosophy 342)

Religion 356: Death and Dying in World Religions

#### 5. Moral Inquiry

This category is designed to develop an understanding of the means by which individuals and communities evaluate and respond to ethical problems, both personal and social. Minimum of 3 hours. Objective: Students will formulate and justify a position on an ethical problem.

English 317: Journalistic Ethics

Philosophy 203: Introduction to Ethics

Philosophy 305: Biomedical Ethics

Philosophy 331: Environmental Ethics

Philosophy 343: Social and Political Philosophy (cf. Political Science 343, Sociology 335)

Philosophy 361: Topics in Moral Philosophy

Physical Education 355: Sports Ethics

Political Science 342: Ethical Issues in Politics

Political Science 356: War, Peace, and Security

Religion 253: Ethics, Reason and the Bible

Religion 393: Global Issues and Values

Sociology 369: Peacemaking

Sport Studies 355: Sports Ethics

#### 6. Quantitative Reasoning (Exempted with SAT M-680/ACT M-28)

This category is designed to develop competency in understanding and using numerical concepts and methods. Minimum of 3 hours. Objective: Students will demonstrate an understanding of numerical concepts and use appropriate methods to solve problems.

Business 325: Statistics

Education 341: Assessment in Education

Health Science 304: Statistics for the Health Sciences

Mathematics 140: Practical Statistics

Mathematics 150: Quantitative Reasoning for the Liberal Arts

Mathematics 170: Applied College Algebra

Mathematics 180: Precalculus

Mathematics 190: Calculus I

Psychology 231: Applied Statistics

Psychology 232: Behavioral Statistics

Sport Studies 105: Introduction to Sports Analytics

## 7. Scientific Understanding

This category is designed to develop an understanding of the natural world, the scientific method, and the forces and elements inherent in the natural order. Minimum of 7 hours. (Must include one lab science course and courses from two course prefixes) Objective: Students will describe scientific principles and apply methods of scientific inquiry.

### LAB Courses

Biology 106: Contemporary Biologic Issues

Biology 111: Organismal Biology I and Biology 107: Lab I

Biology 112: Organismal Biology II and Biology 108: Lab II

Biology 121: Anatomy and Physiology I

Biology 122: Anatomy and Physiology II

Chemistry 105: Issues in Chemical Sciences

Chemistry 108: General, Organic, and Biological Chemistry

Chemistry 111: General Chemistry I

Geology 101: Introduction to Geology

Geology 110: Environmental Geology

Physics & Engineering 101: Conceptual Physics I

Physics & Engineering 121: Classical Physics I

Physics & Engineering 150: Introduction to Astronomy

Psychology 351: Advanced Experimental Psychology

### Non-LAB Courses

Biology 100: Science and Society

Chemistry 101: Joy of Chemistry

Education 367: Science in Early Childhood

Exercise Science 336: Principles of Strength and Conditioning

Geography 120: Physical Geography

Geography 220: Earth's Climate System

Geology 105: Geohazards

Physics & Engineering 100: Physics for Video Games

## 8. Health

This category is designed to develop an understanding of important health issues and to foster choices for students' health throughout life. Minimum of 2 hours. Objective: Students will identify and evaluate biological, psychosocial, and/or behavioral factors that influence health.

Education 215: Educational Psychology

Health Science 151: Global Health

Health Science 315: Public Health and Epidemiology

Health Science 345: Personal Health

Nutrition 131: Introduction to Nutrition

Nutrition 231: Nutrition Across the Lifespan

Physical Education 101: Concepts of Wellness

Physical Education 102-140: Physical Education Service Courses

Psychology 101: Introduction to Psychology

## 9. Artistic Understanding and Expression

This category is designed to develop an understanding of the role of the arts in the human endeavor. Objective: Students will perform, create, or interpret artistic works. One course from the following:

Art 112: Drawing I

Art 120: Three-Dimensional Design

Art 121: Ceramics I

Art 131: Sculpture I

Art 141: Photography

Art 151: Introduction to Art

Art 170: Graphic Design I

Art 350: Art History I

Art 351: Art History II

Art 352: Art History III

Communication 260: Oral Interpretation of Literature

English 260: Introduction to Creative Writing

French 350: Survey of French Cinema in English

German 350: German Cinema in English

Music 331: Brass Instruments

Music 333: Woodwind Instruments

Music 335: String Instruments

Music 341: Voice

Music 343: Keyboard Instruments

Music 360: Southeastern Ohio Symphony

Music 361: Wind Ensemble

Music 362: Concert Choir

Spanish 350: Hispanic Cinema in English

Theatre 151: Introduction to Theatre

Theatre 265: Design I: Explorations in Theatre Design

Theatre 275: Acting I

Theatre 350: History of Film

10. Cultural Diversity

This category is designed to develop an understanding of diversity (gender, race, ethnicity, sexual orientation, age, etc.) in the contemporary world. Minimum of 3 hours. Objective: Students will recognize and examine the role of diversity in society.

Communication 340: Gender Communication

Communication 446: Interpersonal Communication

Education 112: Educational Implications of Diversity

English 235: Tradition of African-American Literature

English 387: Topics in Literature and Gender

French 211: Intermediate French I

French 212: Intermediate French II

German 211: Intermediate German I

German 212: Intermediate German II

Health Science 312: Social Gerontology

History 220: U.S. Women's History

History 322: Gender and History

History 352: Latin American Film and History

History 356: History of Modern Africa

Philosophy 355: Comparative Philosophy

Political Science 131: Introduction to Comparative Politics

Religion 353: Religion and Gender

Sociology 101: The Sociological Perspective

Spanish 211: Intermediate Spanish I

Spanish 212: Intermediate Spanish II

Theatre 352: Dramatic Literature

World 200: Cross-Cultural Communication

#### 11. International Perspectives

This category is designed to develop an understanding of global societies, and a familiarity with patterns of social and political behavior in a comparative context, in order to lay the basis for responsible world citizenship. Minimum of 3 hours. Objective: Students will recognize and compare the social, cultural, and/or political patterns of global communities.

Anthropology 201: Cultural Anthropology

English 124: World Literature

Geography 111: World Regional Geography

History 110: Pre-Modern World History

History 111: The Emergence of the Modern World I

History 112: The Emergence of the Modern World II

History 260: The Cold War in the Americas

History 345: The Second World War

History 346: Southeast Asian History

History 348: The Western Impact on Modern Japan

History 351: Modern Latin America

Music 310: Excursions in World Music

Nursing 430: Perspectives in Global Nursing and Health

Political Science 151: Introduction to International Relations

Sociology 350: Social Change in an International Perspective

## 12. Western Traditions

This category is designed to develop an understanding of social, political, cultural and behavioral dimensions of human existence in Western European traditions. Minimum of 3 hours. Objective: Students will describe and interpret the social, cultural, political, and/or behavioral dimensions of Western European traditions.

English 123: Introduction to Literature

English 231: British Literature to 1800

English 232: British Literature after 1800

English 394: Classical Mythology

French 123: Explorations of Francophone Literature in English Translation

German 123: Explorations in German Literature in English Translation

History 310: Ancient History

History 318: Nineteenth Century European History

History 320: Twentieth Century European Europe

Interdisciplinary 275: Arts and Humanities in Western Culture

Music 121: Introduction to Music

Philosophy 101: Introduction to Western Philosophy

Political Science 121: Introduction to Public Administration and Policy

Political Science 331: Politics of Western Europe

Spanish 123: Explorations in Hispanic Literature in English Translation

## 13. The U.S. Experience

This category is designed to develop an understanding of the United States, its institutions, customs, culture, diversity of people and resources, and challenges facing the nation in the contemporary setting. Minimum of 3 hours. Objective: Students will describe and evaluate how traditions, practices, or institutions address or inform the society and culture of the United States.

Communication 320: Introduction to Popular Culture

English 233: American Literature to 1865

English 234: American Literature after 1865

English 341: Nineteenth Century American Fiction

English 343: Modern and Contemporary American Fiction

English 351: Modern and Contemporary American Poetry

Health Science 301: The American Health Care System

History 105: United States History to 1877

History 106: United States History since 1877

History 230: The American Civil War

History 374: Ohio History

History 380: The History of the American Dream

History 385: American Environmental History

Interdisciplinary 240: Introduction to American Studies

Music 110: History of Popular Music

Nursing 460: Community Health Nursing

Philosophy 353: Contemporary American Philosophy

Political Science 111: American Political System

Sociology 216: Social Problems in Contemporary America

Sociology 301: American Society: Class and Culture

Sociology 320: Racial and Cultural Minorities

Sequence for Meeting the General Education Requirements (Gen Ed)

During their first year, traditional students should take ENGL 121 Composition and COMM 200 Fundamentals of Speech Communication, which comprise the core. Some first year students may want to take a science course. Typically first year students concentrate on the gen ed requirements and take no more than one or two classes in their prospective major. After taking Composition, students must complete two writing unit courses, usually one at the 100- or 200-level and one at the 300- or 400-level. At least one of the two must be at the 300- or 400-level.

A writing unit class is one that uses writing as a significant part of the learning process, not courses that teach writing per se. Therefore, writing unit classes are not those with the word “writing” in the title. They can be identified by a # sign before the name of the course in the online schedule. For example, #Emergence of the Modern World.

## DEGREE REQUIREMENTS

### 2020-2021 Degree Requirements

Three undergraduate degrees are offered. Majors in nursing receive the Bachelor of Science in Nursing (BSN). Qualified adult undergraduate degree completers earn the Bachelor of Science (BS) degree in six health-related majors (Community Health and Wellness, Healthcare Management, Health Science, Medical Laboratory Studies, Occupational Science, and Sport and Fitness Science), in three business-related majors (Business Management,

Marketing, and Human Resource Management), and in the information systems major offered through the Muskingum Adult Program (MAP). Adult degree completion students should refer to the MAP Guidebook to learn more about the admission requirements for these programs. Traditional undergraduate students majoring in Biology, Chemistry, Computer Science, Conservation Science, Earth Science, Engineering Science, Environmental Science, Geology\*, Mathematics, Molecular Biology, Neuroscience, Petroleum Geology, Physics, Physics Education, or Psychology will also receive the Bachelor of Science degree. All other majors are awarded the Bachelor of Arts (BA).

\*There is a track available for students majoring in Geology to earn a BA degree. All undergraduate degrees require fulfillment of the following:

1. A minimum of 124 credit hours for the Bachelor of Arts and Bachelor of Science Degree; 127 for the Bachelor of Science in Nursing (a minimum of 124 for the RN to BSN). A maximum of 48 credit hours in any one discipline may be included in this total. In the case of courses of study leading to teacher licensure, the ACS-certified chemistry major, the Athletic Training major, the Engineering Science major, and the music major, the student may apply up to the minimum credit hours required for the major toward the 124 for graduation. A maximum of three physical education activities courses, three language tables, and ten music ensembles may apply within the 124 hours.
  2. A minimum cumulative grade point average (GPA) of 2.0 for all work taken at Muskingum University; a minimum GPA of 2.0 for all courses in the major(s) and, where the option is taken, a minimum GPA of 2.0 for the minor(s).
  3. A minimum of 40 credit hours earned in 300- and 400-level courses.
  4. Satisfactory completion of at least one departmental or interdisciplinary major. All work within the specified discipline is counted as part of the major or minor. In the case of students pursuing multiple majors or minors in the same department, the GPA for each is calculated separately; an overall GPA of 2.0 in the academic discipline must be maintained. (Students pursuing multiple majors may write separate senior seminars, one in each of the disciplines involved, or with approval of each department chair, write one interdisciplinary seminar, credit for which is given in the department of their choice. Although the interdisciplinary seminar counts toward the credit hour requirements of only one major, the project may fulfill the senior studies requirement of all departments involved.)
  5. At least 12 credit hours of the major completed in the junior and senior years at Muskingum.
  6. The last 31 credit semester hours toward graduation must be earned as a degree-seeking student at Muskingum University or in approved off-campus study.
  7. Transfer students must successfully complete a minimum of 32 credit hours at Muskingum University (includes approved off-campus study programs).
- Note: Muskingum adheres to the Ohio Board of Regents Transfer and Articulation Policy. Requirements for some programs may require a higher grade for transfer. For further information, transfer students need to consult the Transfer Admission information in the Admission section of this catalog.
8. Satisfactory completion of the General Education Requirements. All transfer students, including adult degree completers, should consult the Transfer Admission information in the Admission section of this catalog for more information about the transfer module.

## MAJOR AND MINOR REQUIREMENTS

### Majors

#### ACCOUNTING MAJOR (36 HOURS)

##### Requirements:

- ACCT 201, 202, 301, 302, 363, 364, 411, 412, 495, and one course chosen from 420, 421, or 422

- ECON 215, 216

## ACCOUNTING (PUBLIC) MAJOR (60 HOURS WITHIN A 150 HOUR DEGREE PROGRAM)

Requirements:

- ACCT 201, 202, 301, 302, 363, 364, 411, 412, 420, 421, 422, 495
- BUSI 221, 318, 325, 360, 414; one elective
- ECON 215, 216

## ANIMAL STUDIES MAJOR (38 HOURS)

Requirements:

- ANST 250, 495
- BIOL 111, 107, 112, 108, 240
- HLSC 315
- PHIL 331

**Electives:** The remaining 17 hours are drawn from the following three areas (minimum of three credits from each of the three areas).

*Area I: Science*

- BIOL 232, 305, 346, 373
- CVSC 331
- GEOG 310
- PSYC 151, 281

*Area II: Behavior & Communication*

- COMM 335, 345, 355, 446
- ENGL 202
- PSYC 101, 208, 304, 390

*Area III: Management & Administration*

- ACCT 201, 202
- BUSI 221, 241, 415

## ART MAJOR (38 HOURS)

Requirements:

- Foundation year: ART 112, 120, 151, 170
- Additional requirements: ART 121, 131, 212, 241, 490
- Two courses from ART 350, 351, 352
- One course from ART 321, 331, 370, 412 or 441
- One art course elective
- Portfolio for acceptance into major program
- One to three pieces may be retained as part of the student section of the Permanent Art Collection

Completion of Junior Year Review prior to the Senior Capstone Review

Capstone experience requirements:

1. Electronic Portfolio development

2. Art-related writings
3. Development of interdisciplinary art
4. Development of inter-cultural diversity art
5. Development of technology related to art

Athletic Training major (90 hours)

Requirements:

ATHT 110, 120, 170, 201, 202, 250, 255, 260, 265, 301, 302, 370, 375, 395, 401, 402, 470, 495, 496

BIOL 121, 122

EXSC 338, 349

HLSC 101, 110, 336

NUTR 131

PHIL 305 or SPST 355

PSYC 101

Athletics Communication major (36 hours)

Requirements:

MEDIA 150, 240, 308

MEDIA 300 or SOCI 380

ENGL/JOURN 207 or JOURN 219

SPST 221, 240, 321, 341, 355, 401 (taken 3 times), 495

## TEACHER LICENSURE

Life Sciences or Integrated Science, grades 7-12. Contact the education department or the education department website for specific course requirements.

## BIOLOGY MAJOR REQUIREMENTS (46 CREDIT HOURS)

- BIOL 111, 107, 112, 108, 226, 306, 308, 336, 420 (taken in the Junior or Senior year)
- CHEM 111, 112
- MATH 140, 170, or any MATH course higher than 170

## ELECTIVES:

The remaining 12 credit hours can be completed from the following elective courses:

- BIOL 121, 122, 213, 221, 232, 240, 304, 312, 321, 346, 368, 373, 375, 385, 421, 422
- CVSC 331
- NRSC 386.

At most, one course from the following list will count as credit toward biology major electives: EVSC 121, 421; MBIO 211, 411; CVSC 231, 431; or NRSC 201.

Gen Ed issues courses (the 106 group) count as two credit hours toward the electives in the major.

BIOL 305 cannot be counted as credit toward the biology major.

## **BUSINESS MANAGEMENT MAJOR\* (42 HOURS)**

Requirements:

- BUSI 221, 241, 318, 495
- ACCT 201, 202
- BUSI 325 or ECON 333
- ECON 215, 216, 311

Electives: 4 courses from

- BUSI 325 (if student also completes ECON 333), 326, 360, 411, 412, 413, 414, 415
- ENGL 202
- SPST 441

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

## **Teacher Licensure**

Physical Sciences: Chemistry or Integrated Science. Contact the chemistry department or education department for specific course requirements.

## **Chemistry major (39-40 hours in chemistry including)**

Requirements:

CHEM 111, 112, 213, 214, 230, 250, 315, 335, 355, 454, 455

MATH 190, 200

PHEN 121, 122

Chemistry electives: at least one course from 316, 418, 419, 425, 441, 445

Recommended electives: MATH 140; CPSC 111; a world language

American Chemical Society certification (45 – 46 hours in chemistry including).

Requirements:

CHEM 111, 112, 213, 214, 230, 250, 315, 316, 335, 355, 454, 455

At least 3 additional credit hours from 418 or 419, 425, 441, 445

MATH 190, 200, 230, 320

PHEN 121, 122

Recommended electives: MATH 140 or 340; CPSC 111; a world language (preferably German)

American Chemical Society certification – Biochemistry Track (43 – 44 hours in chemistry)

Requirements:

CHEM 111, 112, 213, 214, 315, 250, 335, 355, 418, 419, 316 or 425, 454, 455

BIOL 108, 112, 226, 375

CPSC 111, 220

MATH 190, 200

PHEN 121, 122

Pre-Health Track (Pre-med, Pre-vet, Pre-dent) (36 – 37 hours in chemistry)

Requirements:

CHEM 111, 112, 213, 214, 250, 315, 335, 355, 418 or 419, 454, 455

BIOL 108, 112, 226

MATH 190, 200

PHEN 121, 122

Additional Pre-dent requirements: BIOL 121, 122, Math 140

Additional Pre-vet requirements: BIOL 312, Math 140

Recommended electives: BIOL 213, 306, 312, 375; CHEM 418, 419; MATH 140; PSYC 101

Pre-Pharmacy Track (37 hours in chemistry)

Requirements:

CHEM 111, 112, 213, 214, 250, 315, 335, 355, 418 or 419, 454, 455

BIOL 112, 108, 121 or 122, 312

MATH 190, 200, (140 recommended)

PHEN 121, 122

Forensic Chemistry Track (45 hours in chemistry)

Requirements:

CHEM 111, 112, 213, 214, 240, 250, 315, 335, 419, 425, 440, 441, 454, 455, or internship in forensic science

CRMJ 101, 331

MATH 190, 200

PHEN 121, 122

Recommended electives: Additional criminal justice courses, biology courses, and math statistics

Neurochemistry Track (36 – 37 hours in chemistry)

Requirements:

CHEM 111, 112, 213, 214, 250, 315, 335, 355, 418 or 419, 454, 455

BIOL 108, 112, 226, 368

MATH 190, 200

NRSC 386

PHEN 121, 122

Recommended electives: NRSC 201; CHEM 418, 419; BIOL 375; PSYC 101

[3+1] major (30 hours in chemistry)

Requirements:

CHEM 111, 112, 213, 214, 250, 315, 335, 355, 418 or 419

BIOL 121, 122, 312

MATH 190, 200

PHEN 121, 122

Complete all Gen Ed categories except Categories 8. Health & 13. U.S. Experience

Recommended electives: MATH 140/PSYC 232, ECON 215, BIOL 305

Total credit hours to be completed at Muskingum University: 95-99

Total of upper-level hours to be completed at Muskingum University: 26

Minimum of 36 hours to be completed in the first year of an accredited Pharm.D. Program with Pass Grades earned in all of these courses – student needs to have the transcript sent from the Pharm.D. School to Muskingum University.

## **CHILD AND FAMILY STUDIES MAJOR**

Core courses (37 hours)

EDUC: 112, 334

HLSC: 308

PSYC: 101, 321; one from 220, 222; two from 205, 208, 308, 309

SOCI: 101, 345

Choose one from the following: CRMJ 390, PSYC 409, SOCI 352

CHFST 495

Area of Specialization (select one)

Administration (15 hours)

Choose one pair of courses (6 hours)

Either ACCT 201 and 202 or ECON 215 and 216

Choose three from among the following (9 hours): ACCT 420; BUSI 221, 241, 318, 325, 415; POLS 321

Human Services (15 hours)

CRMJ 101

SOCI 301

Choose three from among the following (9 hours): CRMJ 250, 270, 342, 372; POLS 321, 322; COMM 335, 340, 446; SOCI 216, 320, 330, 418

Later Life Families (15 hours)

HLSC 312

PHIL 305

Choose three from among the following (9 hours): HLSC 307; HLSC 322; POLS 321, 322; SOCI 216, 320, 330

## **Christian Education major (35 hours in addition to the Moral Inquiry Gen Ed requirement)**

Requirements:

RELG 252, 260, 301, 303 or 304, 385, 393, 397, 494

EDUC 110, 112, 314

PSYC 101

## **COMMUNICATION MAJOR (31 HOURS)**

Requirements:

- COMM 225, 360, 495; one course from MEDIA 312, COMM 315, or COMM 335
- MEDIA 210 or COMM 260

Major Electives: remaining hours may include, with departmental approval, a maximum of 6 hours of Theatre

## **COMPUTER SCIENCE MAJOR (35 HOURS IN COMPUTER SCIENCE)**

Requirements:

CPSC 100, 111, 211, 230, 320, 340, 365, 400 or an internship in the computing field, 450, 455, 495

MATH 190, 225

MATH 230 or 340

Electives:

3 courses from CPSC 220, 335, 345, 430, 480, 490; MATH 350

## **CONSERVATION SCIENCE MAJOR**

**Fundamental Group**

Requirements:

- BIOL 111, 107, 112, 108, 226
- CHEM 111, 112
- ECON 215
- GEOL 101
- POLS 322

One course from BUSI 325, MATH 140, 340 or PSYC 232

**Conservation Group**

Requirements:

- CVSC 331, 437, 438, 439
- CVSC 231 or 431

*A Group (Select at least 11 hours; no more than 8 hours can be selected from the same discipline)*

- BIOL 304, 306, 308, 312, 375
- CHEM 213, 214, 235, 335
- EVSC 421
- GEOL 311

*B Group (Select at least 12 hours)*

- BUSI 221
- ECON 333
- PHIL 203, 331
- RELG 393
- SOCI 370

**Criminal Justice Major (36 hours)**

Requirements: (18 hours)

CRMJ 101, 230, 250, 270, CRMJ 240 or POLS 240, CRMJ 490 or POLS 490

Electives: (18 hours, at least nine of which must be from CRMJ. No more than six hours may come from the following)

IDIS 300

POLS 317, 321, 322, 324

PSYC 290, 308, 363

SOCI 216, 301, 320

**DIGITAL MEDIA DESIGN MAJOR (42 HOURS)**

Core Requirements (30 hours):

- ART 170
- BUSI 241
- CPSC 100
- DMD 398, 399, 400, 495
- MEDIA 150, 210, 300

Specialization Areas (12 hours) Choose ONE group:

- Art: ART 112, 151, 270, 352
- Business: BUSI 221, 417, 419, 422
- Computer Science: CPSC 111, 211, 345, 365
- Media: COMM 360, MEDIA 240, 308, 365
- Theatre: THEA 245, 265, 351, 365

Early Childhood Education Major prepares individuals to teach children in grades pre-kindergarten through 5.

Course requirements include:

EDUC 110, 112, 215, 220, 309, 315, 316, 330, 334, 335, 341, 362, 366, 367, 368, 370, 371, 382, 412, 414, 418, 419, 420, 449, 461

PSYC 215, 220 (preschool)

SOCI 101\*

\*SOCI 101 not required for transfer module student.

## TEACHER LICENSURE

Earth Sciences or Integrated Sciences, grades 7-12. Contact the education department or the education department website for specific course requirements.

## EARTH SCIENCE (BS) MAJOR (25-26 HOURS IN GEOLOGY)

Requirements:

- GEOL 101 or 110, 104, 200, 220, 301, 302, 495
- Three from GEOL 303, 311, 313, 322, or GEOG 310
- One from GEOL 295 or 496
- CHEM 105 or 111
- GEOG 321
- One from MATH 140, 180, or 190
- PHEN 101 or 121
- PHEN 150

## TEACHER LICENSURE

Integrated social studies, grades 7-12 (with an economics major). Contact the education department for specific course requirements.

## ECONOMICS MAJOR (36 HOURS)

Requirements:

- ECON 215, 216, 311, 333, 495
- ACCT 201
- BUSI 325

Electives: two 300- or 400-level ECON courses and three additional ACCT, BUSI, or ECON courses

## TEACHER LICENSURE

Prepares the student to teach integrated language arts, grades 7-12 (which includes an English major). Contact the education department or the education department website for specific course requirements. You will have one advisor in English and one in Education.

## ENGLISH MAJOR (30 HOURS NOT INCLUDING 121)

Requirements:

- ENGL 231 or 232, 233 or 234, 320, 495
- 12 hours at 300-level or above

## ENVIRONMENTAL SCIENCE MAJOR

Core Courses (41 hours)

- BIOL 106 (Environmental Science) or 111 and 107;
- BIOL 112 and 108
- CHEM 111, 112, 235
- GEOL 101 or 110, 104
- One from: MATH 140, BUSI 325, PSYC 232
- PHEN 101 or 121
- EVSC 121, 421
- EVSC 422 or 428

Core Electives (Select a minimum of 2 courses from):

- CPSC 111
- GEOG 111, 310
- GEOL 313, 322
- MATH 190, 230, 350
- PHEN 101 or 122

Any one course from biology, chemistry, or geoscience track which does not already fulfill a major requirement.

- BIOL 226, 232, 306, 308, 312, 375
- CHEM 213, 214, 315, 335
- CVSC 331
- GEOG 321
- GEOL 200, 220, 301, 302
- MATH 200

Complete requirements for at least one track:

### Biology Track (19)

- BIOL 226, 232, 308, 312
- One from: BIOL 306, 375, CVSC 331

Biology Track Electives (Select a minimum of 12 hours from at least two different disciplines.)

- ECON 215, 216, 361, 411
- HIST 385
- PHIL 331
- POLS 111, 131, 321-323
- RELG 393
- SOCI 370

### Chemistry Track (21 hours):

- CHEM 213, 214, 315, 335
- MATH 200

Chemistry Track Electives (Select a minimum of 12 hours from at least two different disciplines.)

- ECON 215, 216, 361, 411
- HIST 385
- PHIL 331
- POLS 111, 131, 321-323
- RELG 393
- SOCI 370

**Geoscience Track (19 hours):**

- GEOL 200, 220, 301, 302
- GEOG 321

Geoscience Track Electives (Select a minimum of 12 hours from at least two different disciplines.)

- ECON 215, 216, 361, 411
- HIST 385
- PHIL 331
- POLS 111, 131, 321-323
- RELG 393
- SOCI 370

**Social Science Track (18 hours):**

- ECON 215, 216, 411
- POLS 131, 151, 322

Social Science Track Electives (Select a minimum of 12 hours from at least two different disciplines.)

Choose at least two (8 hours):

- BIOL 308
- At most one from: BIOL 306 or 375 or CVSC 331
- CHEM 213, 214, 315, 335
- GEOL 200, 220
- GEOG 321

Choose at least one (3 hours):

- HIST 385
- PHIL 331
- POLS 111
- RELG 393
- SOCI 370

## Teacher licensure

Multi-age world language licensure in French pre-K through 21 is offered. Teacher licensure candidates must meet the requirements of Muskingum University and the Ohio Department of Education for teacher licensure. Contact the education department on campus for specific course requirements. Licensure candidates are required to maintain a minimum average GPA of 3.0 in their language course work, earn a minimum grade of B- in WRLD 397

Methods in Teaching World Languages, and pass the content tests required by the State of Ohio for teacher licensure prior to student teaching. Completion of requirements may take 8 semesters in addition to student teaching.

## **FRENCH MAJOR (33 HOURS BEYOND 112)**

Requirements:

Study Abroad, FREN 310, 431, one course in another foreign language at the appropriate level. Enrollment in French Table (FREN 251/291) expected every semester, required when not enrolled in a French course; 2 hours applied to major or minor. No more than one upper level French course taught in English is allowed to count toward major requirements.

## **GENERAL ENGINEERING MAJOR (85 HOURS):**

Requirements:

- PHEN 110, 121, 122, 203, 210, 235, 300, 310, 320, 330, 370, 405, 410, 415, 420, 490, 495
- CHEM 111
- CPSC 100
- ECON 215
- MATH 190, 200, 230, 310, 320 (automatic Math minor)

Students must take the Fundamentals of Engineering Exam in the last semester of their senior year.

## **TEACHER LICENSURE**

Earth Sciences or Integrated Sciences, grades 7-12. Contact the education department or the education department website for specific course requirements.

## **GEOLOGY (BA) MAJOR (29 HOURS IN GEOLOGY)**

Requirements:

- GEOL 101 or 110, 104, 301, 302, 303, 311, 313, 322, 495
- CHEM 111
- GEOG 310
- MATH 140 or 180
- PHEN 101

Two courses from the following list:

- ECON 215
- HIST 385
- PHIL 331
- POLS 321, 322, 323
- RELG 393
- SOCI 370

## **GEOLOGY (BS) MAJOR (35 HOURS IN GEOLOGY)**

Requirements:

- GEOL 101 or 110, 104, 301, 302, 303, 313, 322, 495, 496

Two from among GEOL 200, 220, or 311

- CHEM 111, 112
- GEOG 310
- MATH 140, 180, or 190
- PHEN 101 or 121

A six credit summer field geology course (approved by the department) Recommended for graduate school: Calculus and 2 courses in each of physics and engineering (PHEN), biology (BIOL), world languages (FREN, GERM, SPAN).

## TEACHER LICENSURE

Multi-age world language licensure in German pre-K through 21 is offered. Teacher licensure candidates must meet the requirements of Muskingum University and the Ohio Department of Education for teacher licensure. Contact the education department on campus for specific course requirements. Licensure candidates are required to maintain a minimum average GPA of 3.0 in their language course work, earn a minimum grade of B- in WRLD 397 Methods in Teaching World Languages, and pass the content tests required by the State of Ohio for teacher licensure prior to student teaching. Completion of requirements may take 8 semesters in addition to student teaching.

## GERMAN MAJOR (36 HOURS IF STARTED AT GERM 111; 33 HOURS IF STARTED AT GERM 112 OR 211)

Study Abroad, GERM 123, 310, 431, one course in another foreign language at the appropriate level. Enrollment in German Table (251/291) expected every semester, required when not enrolled in a German course; 2 hours applied to major or minor. No more than one upper-level German course taught in English is allowed to count toward major requirements.

## HEALTH ADMINISTRATION MAJOR:

Core Requirements:

HLSC 110, 111, 201, 307, 315, 322, 326, 395, 396, 497

BUSI 221, 415

Electives: Choose at least one course from each category

Business/management:

ACCT 201, 202

BUSI 241, 318, 360, 413, 420

POLS 321, 325

Ethics:

BUSI 414, PHIL 305

Statistics:

BUSI 325

HLSC 304

PSYC 231, 232

Health and Fitness major (32 hours)

Requirements:

EXSC 131, 249, 336, 337, 498

HLSC 101, 110

NUTR 131

Electives: 12 hours chosen from the following

EXSC 333, 338, 349

HLSC 307, 308, 345

NUTR 332

SPST 203, 210

## **HEALTH EDUCATION MAJOR (32 HOURS)**

Requirements:

BIOL 106 (Genetic Frontiers and Biotechnology, Human Biology, or Human Diseases)

HLSC 308, 345

HLTH 400

EXSC 131, 249

NUTR 131

PE 470

SPST 310

## **Teacher licensure**

Integrated social studies, grades 7-12 (with a history major). Contact the education department or education department website for specific course requirements.

## **History major (33 hours)**

Requirements:

HIST 300, 420, 460

9 hours from HIST 105, 106, 110, 111, 112

Electives: one course from each grouping

European HIST 310, 318, 320, 322, 345

World HIST 344, 346, 347, 348, 350, 351, 352, 353, 356

American HIST 372, 374, 376, 378, 379, 380, 381, 382, 385

Remainder of required hours from departmental offerings

## HUMANITIES MAJOR

Requirements:

- 40 hours (exclusive of Gen Ed core and elected distribution courses)
- IDIS 275, 492

Remaining courses from four of the six humanities division departments—art (ART), English (ENGL), world languages (GERM, FREN, SPAN), music (MUSC), religion and philosophy (RELG, PHIL), communication, media & theatre (COMM, DMD, JOURN, MEDIA, PBRL)

Restriction: Maximum of 29 hours in any one discipline.

## INTERNATIONAL AFFAIRS MAJOR (42 HOURS)

Core requirements: (15 hours)

Senior Seminar (3 hours) selected in consultation with the International Affairs advisor and in a department involved in the International Affairs major. Majors are advised that seminars in some departments may require successful completion of an additional class or classes, such as a research methods class.

12 hours from the following:

- ECON 215, 216
- HIST 112
- POLS 131, 151
- RELG 153
- SOCI 101

Distribution requirements: At least 27 hours including courses in three disciplines from the first three groups

### **Social and Economic Development (3 hours)**

- ANTH 201
- ECON 361, 362
- GEOG 111
- RELG 393
- SOCI 320, 350

### **International Relations (6 hours)**

- HIST 320, 348
- POLS 352, 354, 356, 357, 358

### **Comparative Culture and Politics (9 hours)**

- ENGL 124
- FREN 123, 304, 325, 350
- GERM 123, 325, 350
- HIST 346, 347, 351, 356
- MUSC 310
- POLS 331, 336

- RELG 251, 342, 395
- SPAN 123, 325, 350

### **Language Skills - either (a) or (b)**

- Participation in an approved study abroad program that includes 3 hours of course work in a foreign language.
- Completion of a foreign language course at the 212-level or above, excluding courses not taught in the language of study.
- Native Speakers of foreign languages taking courses at Muskingum University are exempt from the language requirement.

Two additional 300- or 400-level courses from the listed courses, excluding those already used to fulfill requirements.

## **INTERNATIONAL BUSINESS MAJOR (42-60 HOURS)**

Core (33-53 hours, including at least 3 completed in an advisor-approved study abroad program)

- ACCT 201
- ECON 215, 216, 361
- BUSI 221, 241, 318 and 412
- HIST 320, 347, 348 or 351
- POLS 131 or 151
- IDIS 491

International business capstone course (senior seminar) to be taken after completion of FREN 240, SPAN 240, or GERM 340; ECON 215 and 216; and BUSI 221, 241, 318 and 412. Students are strongly encouraged to work with advisors to develop seminar topics/approaches that synthesize language and business skills.

Language Proficiency (3-19 hours)

- For students whose native language is English: FREN 240, SPAN 240, or GERM 340: Business French/German/Spanish
- For students whose native language is not English: ENGL 202

Electives (6-7 hours from the following, excluding courses used to fill requirements listed above):

- ACCT 202
- ANTH 201
- BUSI 326 or 411
- ECON 362
- ENGL 202
- GEOG 111
- HIST 320, 346, 347, 348, 353, 390;
- One from: POLS 131, 151, 331;
- An additional course in FREN, GERM, or SPAN excluding 123;
- IDIS 300 (approved by international business faculty advisor).
- RELG 393
- SOCI 350

## **JOURNALISM MAJOR (48 HOURS)**

Core Requirements (39 hours):

- COMM 225

- JOURN 207, 208, 219, 399, 495
- JOURN 317 or MEDIA 420
- MEDIA 150, 210, 240, 308, 365, 450
- Electives (3 hours):
- One course selected from ENGL 316, 319, MEDIA 415
- Practica Requirements (6 hours)
- COMM 101-1, 101-2 or 201-1, 201-2 (2 hours)
- COMM 301-1, 301-2 or 401-1, 401-2 (1 hour)
- JOURN 101-1, 101-2 or 201-1, 201-2 (1 hour)
- JOURN 301-1, 301-2 or 401-1, 401-2 (2 hour)

## **Marketing Major \*(42 hours)**

Requirements:

BUSI 221, 241, 318, 495

ACCT 201, 202

BUSI 325 or ECON 333

ECON 215, 216, 311

Electives: 4 courses from

BUSI 325 (if student also completes ECON 333 and does not count BUSI 325 as a Business Management elective), 411, 416, 417, 419, 422, 423

ENGL 316

MEDIA 300

SPST 441

\*Adult undergraduate degree completers should refer to the MAP Guidebook.

## **TEACHER LICENSURE**

Integrated math, grades 7-12. Contact the education department or the education department website for specific course requirements.

## **MATHEMATICS MAJOR (36 HOURS)**

Requirements:

- MATH 190, 200, 225, 230, 310, 330, 410, 495,
- CPSC 100
- 6 additional hours at the 300-level or above.

## **MEDIA PRODUCTION MAJOR (45 HOURS)**

Core Requirements:

- MEDIA 150, 210, 240, 308, 365, 399, 415, 450, 495
- COMM 225, 360
- COMM 101, 201, 301, 401 (6 times)
- ENGL/JOURN 207

- JOURN 219 or MEDIA 300

## MIDDLE CHILDHOOD EDUCATION

Middle Childhood Education major prepares individuals to teach children grades four through nine in two of the following content areas: math, science, language arts and reading, and social studies. Students may select any combination of two of the four content areas.

Course requirements include:

EDUC 110, 112, 215, 312, 330, 335, 341, 370, 372, 413, 414, 419, 420, 450, 461, 465

Two of the following: 382, 383, 384, 385

PSYC 215

Two of the following approved concentration areas: reading/language arts, mathematics, social studies, science. (Specific concentration course requirements are available in the education department office and contained in the Teacher Education Handbook.)

## MOLECULAR BIOLOGY MAJOR (70 HOURS)

Requirements:

- MBIO 211, 411, 417, 418
- BIOL 108, 112, 226, 306, 312, 375
- CHEM 111, 112, 213, 214, 315, 418
- CPSC 100
- MATH 190, 200
- PHEN 121, 122

Strongly Recommended: BIOL 336, statistics and computer science courses

## MUSIC MAJOR (48-49 HOURS)

Requirements:

- MUSC 111, 112, 115, 116,
- MUSC140 (for students with a vocal concentration)
- MUSC 211, 212, 215, 216, 295, 310, 321, 322, 371, 401, 445
- 8 hours of applied study in one area
- 8 hours in the appropriate major ensemble
- 8 semesters of MUSC 100, 300
- Junior qualifying exam (assessed after 212)

Music Education major (76-77 hours)

Requirements:

MUSC 111, 112, 115, 116,

MUSC140 (for students with a vocal concentration)

MUSC 181, 211, 212, 215, 216, 281, 282, 283, 284, 295, 310, 315, 321, 322, 371, 372, 382, 383, 384, 401, 445, 482, 483

EDUC 110, 112, 314, 330, 335, 341, 413, 419, 420, 461, 466

6 semesters of the appropriate major ensemble and one semester in an ensemble of a medium dissimilar from the student's primary area of applied study

7 hours of applied study in one area

7 semesters of MUSC 100, 300

Junior qualifying exam (assessed after 212)

## **NEUROSCIENCE MAJOR (57-59 HOURS)**

Requirements:

NRSC 201 (taken 3 times)

NRSC 305, 308, 407, 408, 409

BIOL 108, 112, 226, 368

CHEM 111, 112

PSYC 101, 151, 232, 281

Three of the following courses:

NRSC 386

PSYC 361

BIOL 336, 375

Suggested electives:

BIOL 213, 306

CHEM 213, 214, 418

CPSC 100 or 111

MATH 190

PHEN 101

PSYC 304, 351

## **NURSING MAJOR (108 HOURS)**

Required lower-level nursing courses (19 hours):

NURS 125, 126, 226, 227, 230, 251

Required upper-level nursing courses (46 hours):

NURS 340, 351, 360, 375, 430, 451, 460, 486, 487

Required support courses (43 hours)

BIOL 121, 122, 305, 312, 346

CHEM 108

NUTR 231

PHIL 305

PSYC 101, 208, 231

SOCI 101

One of the following:

EXSC 333, 336, 337

HLSC 307, 308, 312, 315, 322, 326, 345, 415, 417

NUTR 332

## **ORGANIZATIONAL COMMUNICATION MAJOR (36 HOURS)**

Core Requirements (27 hours):

- COMM 225, 335, 340, 345, 355, 360, 446, 495,
- MEDIA 210

Electives: remaining coursework may be selected from any offering within the CMT department. Students wishing to experience study in public relations, media, or journalism may select from those offerings as well as communication.

## **PETROLEUM GEOLOGY (BS) MAJOR (36 HOURS IN GEOLOGY):**

- GEOL 101 or 110, 104, 230, 301, 302, 303, 311, 313, 322, 350, 410
- CHEM 111, 112
- GEOG 310
- One from: MATH 140, 180, 190
- PHEN 101 or 121

A six credit summer field geology course (approved by the department)

## **PHILOSOPHY MAJOR (31 HOURS)**

Requirements:

At least 12 credit hours among the following: PHIL 101, 202, 325, 327, 350, 355 PHIL 495, 496

15 additional hours of PHIL courses for a total of 31 hours in the major. These hours may include one of the following: RELG 253, 260, 342, 393

## **PHYSICAL EDUCATION MAJOR (27 HOURS)**

Requirements:

EXSC 131, 249, 338

PE 341, 416

SPST 203, 210, 418

Electives: Two hours of Physical Education (PE) above the 100-level

## **PHYSICS MAJOR (73 HOURS):**

PHEN 110, 121, 122, 203, 210, 310, 320, 340, 370, 430, 491, 496

CHEM 111, 112

CPSC 100, 111

MATH 190, 200, 230, 310, 320 (automatic Math minor) and one of the following: 340, 350, 420, 430

Students must take the Educational Testing Service Major Field Test in Physics in the last semester of their senior year.

## **PHYSICS EDUCATION MAJOR – (102 HOURS)**

PHEN 110, 121, 122, 203, 210, 235, 310, 492, 497

CHEM 111, 112, 200

CPSC 100

EDUC 110, 112, 313, 330, 335, 341, 394, 413, 419, 420, 451, 461, 466

MATH 190, 200, 230, 310

PSYC 101, 308

The Ohio Assessments for Educators (OAE) test in physics must be passed prior to admission into student teaching. Students must declare co-advisors from the Physics and Engineering and Education Departments to ensure that academic and teaching licensure requirements are met

## **POLITICAL SCIENCE MAJOR (33 HOURS)**

Core Requirements (15 hours):

POLS 111; two courses from POLS 121, 131 or 151; CRMJ 240 or POLS 240; CRMJ 490 or POLS 490

Distribution (6 hours): one course from two of the following categories

American Government courses: POLS 310 - 319

Public Administration/Policy courses: POLS 320 - 329

Comparative Politics courses: POLS 330 - 339

International Relations courses: POLS 350 - 359

Electives (12 hours): From departmental offerings, may include one additional course at the 100-level.

## **TEACHER LICENSURE**

Integrated social studies, grades 7-12 (with a psychology major). Contact the education department or the education department website for specific course requirements.

## PSYCHOLOGY MAJOR (34 HOURS)

Requirements:

- PSYC 101, 151, 232, 351, 493, 495
- Electives: One course from each of the following perspectives (one of the four courses must include a lab):
- Biological: PSYC 281, 361 (lab), 371 (lab)
- Cognitive/Social: PSYC 304, 305 (lab), 321, 359 (lab)
- Developmental: PSYC 205, 208, 308, 309
- Clinical/Applied: PSYC 290, 363, 390, 406

Electives: Take remaining hours from PSYC for a total of 34

Double Majors: Students choosing to major in psychology and another department are required to do only one Senior Studies project, registering for Senior Studies in one of the departments and establishing contact with an advisor in the other. The project must be empirical in nature and satisfactory to both departments. A copy of the work is turned in to each department and both a poster and an oral presentation are made to the psychology department. The student must take an additional 300- or 400- level class in the major for which the Senior Studies is not taken.

## PUBLIC ADMINISTRATION MAJOR: (42 HOURS)

Requirements: (36 hours)

ACCT 201

ECON 215, 216

ENGL 201 or 202

IDIS 250 (3 hours) or 300

POLS 121, 321, 322, 341

One of the following: POLS 323, 325, 326, or GEOG 310

A senior seminar in Accounting, Economics, English, Political Science or the student's cognate area with a topic approved by the Public Administration advisor.

Cognate Area : (6 upper level hours)

Students are required to secure approval from the Chair of the Department for a course of study that will enhance their preparation in Public Administration. (For example students who have an interest in historic districts might choose History, those interested in grant writing might find English to be helpful, and those interested in Parks and Recreation might find Health Science or Biology appropriate. Students may NOT choose Political Science as a cognate area.)

Public Health Studies major (40-46 hours)

Requirements: (19 hours)

HLSC 101, 151, 315, 322, 496

HLSC 304 or PSYC 231 or PSYC 232

PHIL 305

Electives: (21-27 hours) Choose a total of seven of the following courses with at least three from category A and at least one each from categories B and C.

## A: Social, Behavioral and Environmental Determinants of Health

ANTH 201

CHEM 235

CRMJ 342

CVSC 331

HIST 385

HLSC 312

NUTR 131 or NUTR 231 or NUTR 331

PSYC 208, 281, 321, 363

SOCI 216, 320, 330, 345, 370

## B: Health Program Planning and Assessment

GEOG 310

HLSC 307, 308, 345, 415

POLS 322, 328

## C: Physiologic and Molecular Determinants of Health

BIOL 112 and 108 or 121 or 122 or EXSC 131

BIOL 305 or 306

BIOL 312, 346, 375

# **PUBLIC RELATIONS MAJOR (49 HOURS)**

Core Requirements (49 hours):

- PBRL 201, 315, 345, 399, 495
- COMM 101, 201, 301, 401 (3 hours, 1 hour each)
- COMM 225, 360
- ENGL 316, 317 or MEDIA 420
- ENGL/JOURN 207
- JOURN 219 or MEDIA 300
- MEDIA 150, 210, 240, 365 or 308

# **RELIGION MAJOR (31 HOURS)**

Requirements:

RELG 153, 260, 301, 303, 495, 496

Choose one elective from each of the following category (290, 360, and 401 may count towards any category with departmental approval):

Practical/Reflective: 253, 385, 393, 397, 398, 399

Comparative: 153, 252, 356

Cultural: 251, 261, 302, 352, 353

Scriptural/Sacred Texts: 150, 301, 303, 304, 342, 395

9 elective hours must be at the 300 level or higher

One PHIL elective course may take place of a RELG course with approval of Department Chair.

Students planning a self-designed interdisciplinary major (SDIM) consult appropriate academic and department advisors in developing a rationale and course of action for the major. The primary consideration for approval of an SDIM is that the proposal demonstrates respect for the depth that the major traditionally provides in the liberal arts curriculum. The SDIM major encompasses work from at least three departments and consists of no fewer than 40 or more than 60 hours, with a limit of 30 hours in any one department. In addition, an SDIM proposal should make provision for an appropriate seminar or "capstone" experience. The application process for an SDIM may begin as early as the sophomore year but must be completed no later than the end of the first semester of the junior year. To propose an SDIM, a student submits a written proposal to the Provost for consideration by the Curriculum Committee. The proposal shall include: (1) a statement of intended career or plans for graduate or professional study after graduation; (2) reasons why an SDIM is preferable to an established major; (3) an overview of the program of study thus far; (4) a proposed program or focus of study that lists courses by departments; (5) a proposed class schedule for the remaining semesters at Muskingum which has been reviewed by the Registrar; (6) an unofficial transcript of all Muskingum transfer courses; (7) signed statements of endorsement of the proposal by advisor(s) and chairs of the respective departments in which the proposed courses comprising the SDIM would be taken.

SDIMs are noted on the transcript as interdisciplinary and self-designed, together with identification of the three principal disciplines as defined in the approval proposal. e.g. IDIS (self designed); ART-PSYC-EDUC. Copies of the approved program will be kept on file by advisor (s), the Registrar, and the Provost or the VPGCS as appropriate. The Registrar will consider receipt of a copy of an approved SDIM to be an official declaration of major.

## TEACHER LICENSURE

Integrated social studies, grades 7-12 (with a sociology major). Contact the education department or the education department website for specific course requirements.

## SOCIOLOGY MAJOR (30 HOURS)

Requirements:

- SOCI 101, 360, 422, 490 (twice), 495, 496

Electives: Remainder of hours from other sociology and anthropology offerings

## Teacher Licensure

Multi-age world language licensure in Spanish pre-K through 21 is offered. Teacher licensure candidates must meet the requirements of Muskingum University and the Ohio Department of Education for teacher licensure. Contact the education department on campus for specific course requirements. Licensure candidates are required to maintain a minimum average GPA of 3.0 in their language course work, earn a minimum grade of B- in WRLD 397 Methods in Teaching World Languages, and pass the content tests required by the State of Ohio for teacher licensure prior to student teaching. Completion of requirements may take 8 semesters in addition to student teaching.

## SPANISH MAJOR (33 HOURS BEYOND 112)

Requirements:

Study Abroad, SPAN 310, 431, one course in another foreign language at the appropriate level. Enrollment in Spanish Table (251/291) expected every semester, required when not enrolled in a Spanish course; 2 hours applied to major or minor. No more than one upper-level Spanish courses taught in English is allowed to count toward major requirements.

## **SPECIAL EDUCATION**

Special Education major prepares individuals to work with students with special needs in grades K-12 and leads to the Intervention Specialist: Mild to Moderate (K-12) license.

Course requirements include:

EDUC 110, 112, 215, 220, 309, 312; 313 or 314, 330, 335, 340, 341, 362, 366, 367, 370, 371, 383, 385, 413, 414, 419, 420, 432, 434, 461, 468

One of the following: 418, 465 or 466

PSYC 215

SOCI 101

Sport Administration major (41 hours)

Requirements (35 hours):

BUSI 221, 241

ECON 215

SPST 201, 202, 221, 341, 344, 355, 402 (taken 2 times), 441, 496

Electives (6 hours):

ACCT 201, 202

BUSI 318, 415

POLS 321, 325, 365

## **THEATRE MAJOR (31 HOURS)**

Requirements:

THEA 245, 265, 275, 351, 352, 495

Electives: remaining 13 credit hours may include with department approval a maximum of 6 hours in Communication excluding COMM 200

## **Minors**

### **ACCOUNTING MINOR (15 HOURS)**

- ACCT 201, 202 or 363, 301, 302 or 364
- ECON 215

## **AMERICAN STUDIES MINOR (15 HOURS)**

Requirements:

IDIS 240

12 hours from at least three disciplines and two divisions, with at least two from the 300 level.

Lower Level Offerings:

ECON 215, 216

ENGL 233 or 234, 235

HIST 105, 106, 230

POLS 111

SOCI 216

Upper Level Offerings:

ENGL 341, 343, 351, 385 (385 can count no more than twice, and only when it focuses on a different American author)

HIST 372, 374, 378, 379, 380, 381, 382, 385, 390 (American topics only)

PHIL 343 (Cross listed with SOCI 335 and POLS 343), 353

POLS, one from 311-319, one from 321-329, 352

SOCI 301, 320, 345

## **ART MINOR (15 HOURS)**

Requirements:

- ART 112, 121, 151, 170
- Electives: 3 additional hours of art electives

## **ATHLETICS COMMUNICATION MINOR (16 HOURS)**

Requirements:

MEDIA 150, 300

SPST 221, 240, 321, 401

## **BIOLOGY MINOR (19 HOURS)**

Requirements:

BIOL 111, 107, 112, 108, 226 and a minimum of eight additional credit hours from courses at the 200-level or higher,

Only biology courses will count for the minor.

## **BUSINESS MANAGEMENT MINOR (15 HOURS)**

Requirements:

- ACCT 201
- BUSI 221
- ECON 215
- Electives: two classes from BUSI 318 (if not used to satisfy the Marketing major), BUSI 325 (if not used to satisfy the Marketing major or minor), BUSI 326, BUSI 360, BUSI 411, BUSI 412, BUSI 413, BUSI 414, BUSI 415, ENGL 202, or SPST 441.

## **CHEMISTRY MINOR (19 HOURS)**

Requirements:

CHEM 111, 112

Electives: 11 hours excluding 101, 105, or 108; and including a minimum of 3 hours at 300-level or above

## **COMMUNICATION MINOR (15 HOURS)**

Requirements: three hours at 300- or 400-level

## **COMPUTER SCIENCE MINOR (15 HOURS)**

Requirement:

CPSC 320

## **CRIMINAL JUSTICE MINOR (15 HOURS)**

Requirements:

CRMJ 101

one from 230, 250, or 270

three additional CRMJ courses (at least one at the 300- or 400-level)

## **DIGITAL MEDIA DESIGN MINOR (15 HOURS)**

- ART 170
- DMD 400
- MEDIA 150, 210, 300

## **TEACHER LICENSURE**

Earth Sciences or Integrated Sciences, grades 7-12. Contact the education department or the education department website for specific course requirements.

## **EARTH SCIENCE MINOR (AT LEAST 17 HOURS)**

Requirements:

- GEOL 101 or 110,
- GEOL 104
- GEOL 200
- two more GEOL courses at the 300-level

## **ECONOMICS MINOR (15 HOURS)**

Requirements:

ECON 215, 216, 311, 333  
ACCT 201

## **ENGLISH MINOR (15 HOURS NOT INCLUDING 121)**

Requirements: 3 hours ENGL at 300-level or above

## **FILM STUDIES MINOR (17 HOURS)**

Requirements:

IDIS 160; IDIS 260 (taken twice)

Electives: 12 hours from

ENGL 386  
FREN 350  
GERM 350  
MEDIA 210, 300, 308  
POLS 372  
RELG 352  
SOCI 301, 342, 380  
SPAN 350  
THEA 350

Multi-age world language licensure in French pre-K through 21 is offered. Teacher licensure candidates must meet the requirements of Muskingum University and the Ohio Department of Education for teacher licensure. Contact the education department on campus for specific course requirements. Licensure candidates are required to maintain a minimum average GPA of 3.0 in their language course work, earn a minimum grade of B- in WRLD 397 Methods in Teaching World Languages, and pass the content tests required by the State of Ohio for teacher licensure prior to student teaching. Completion of requirements may take 8 semesters in addition to student teaching.

## **FRENCH MINOR (19 HOURS)**

Requirement:

19 credit hours in French courses taught in French, to include FREN 240 or one 300 level course taught in French

## **GENDER STUDIES MINOR (15 HOURS)**

Requirements: 15 credit hours from three departments and two academic divisions; at least six hours at the 300-level or above; and IDIS 291.

Social Science Division:

ANTH 201

HIST 220, 317, 378 (with the addition of a major paper, topic to be approved by the program advisor)

HLSC 312

PSYC 321

SOCI 330, 342, 345

Arts and Humanities Division:

COMM 340

ENGL 387

FREN 325

GERM 350

RELG 261, 353

Education Division:

PE 355

Science Division:

BIOL 122

Options: Special topic courses in other departments (Political Science, Business, Education, Art, Psychology, Neuroscience, and Conservation Science, for example) could also count toward the Gender Studies minor. Internships (up to three credit hours) consisting of placement at an agency dealing with gender-based concerns (sexual assault intervention, shelter work, etc.), writing, designing or editing Gender Studies newsletter or journal, working with programs in the schools (to encourage nontraditional careers, for example, or to assist single parents). Directed or independent study, cross-listed courses from a variety of departments.

## **GENERAL ENGINEERING MINOR (33 HOURS):**

Requirements:

- PHEN 110, 121, 122, 203, 330
- Two of the following: PHEN 210, 235, 300, 310, 410
- MATH 190, 200

## **GEOLOGY MINOR (AT LEAST 16 HOURS)**

Requirements:

GEOL101 or 110  
GEOL 301  
GEOL 302 or 303  
two more GEOL courses

## **GERMAN MINOR (19 HOURS)**

Requirement:

19 credit hours in German courses taught in German, to include one 300 level course taught in German.

## **HEALTH ADMINISTRATION MINOR (18 HOURS)**

Requirements:

ACCT 201  
BUSI 221  
HLSC 110, 111, 201, 307, 322

## **HEALTH & FITNESS MINOR (16 HOURS)**

Requirements:

- EXSC 131, 249, 337 NUTR 131
- One of the following: EXSC 333, 336, 338, 349; HLSC 307, 345, 308; NUTR 332

## **HEALTH EDUCATION MINOR (15 HOURS)**

Requirements: Fifteen hours of HLTH courses with at least 3 hours at the 300- or 400-level

## **HISTORY MINOR (15 HOURS)**

Requirements: at least one three-credit HIST course at the 300- or 400-level.

## **HUMAN BIOLOGY MINOR (19 HOURS)**

Requirements:

BIOL 121

BIOL 122 or HLSC 330\*

BIOL 305\* or 306

BIOL 346

Electives:

BIOL 213, 312, 368, 385 (Topics: Advanced Pathophysiology) \*

EXSC 338

HLSC 331\*, 341\*, 342\*

MBIO 211

NRSC 201, 386

NUTR 231

\*Offered only in MAP

## **MARKETING MINOR (15 HOURS)**

Requirements:

ACCT 201

BUSI 241

ECON 215

Electives: two classes from BUSI 318 (if not used to satisfy the Business Management major), BUSI 325 (if not used to satisfy the Management major or minor), BUSI 411, BUSI 416, BUSI 417, BUSI 419, BUSI 422, BUSI 423, ENGL 316,

## **MATHEMATICS MINOR (15 HOURS)**

Requirements:

MATH 190, 230  
three hours at 300- or 400-level

Electives: remainder of hours from other offerings (excluding 100), including at most one course at the 100-level (other than 190)

## **MUSIC MINOR (18-19 HOURS)**

Requirements:

MUSC 111, 112, 115, 116,  
MUSC140 (for students with a vocal concentration)  
4 hours of applied study in one area  
4 hours in the appropriate major ensemble  
4 semesters of MUSC 100, 300  
(Those seeking the minor for early childhood licensure add  
382)

## **MUSICAL THEATRE MINOR (23 HOURS)**

Requirements:

MUSC 111, 115, 140, 141/341 (both taken twice), 164/364 (both taken twice); THEA

223, 275, 285, 314, 360

Nutrition minor (20 hours)

Requirements:

CHEM 108

EXSC 131, 337

NUTR 131, 231, 332

## **ORGANIZATIONAL COMMUNICATION MINOR (15 HOURS)**

Requirements:

COMM 335, 340, 345, 355, 446

## **PHILOSOPHY MINOR (15 HOURS)**

15 hours in Philosophy (PHIL) offerings: option of one offering in Religion (RELG) with permission of department chair

## **PHYSICAL EDUCATION MINOR (15 HOURS)**

Requirements:

PE courses at the 200-level or above with at least 3 hours at the 300- or 400-level.

Physics minor (32 hours):

PHEN 110, 121, 122, 203, 210, 340

MATH 190, 200, 230

## **POLITICAL SCIENCE MINOR (15 HOURS)**

Requirements:

Six (6) hours at the 100 or 200 level

Nine (9) hours at the 300 or 400 level

## **PRE-LAW MINOR (22 HOURS)**

Only two courses from any given discipline can count toward completion of the minor.

Core Requirements (7 hours):

IDIS 360

LIBR 220

PHIL 202

Distribution: (15 hours) One course from each category below:

### **Analytic/Problem-Solving Skills:**

COMM 335

ENGL 361

POLS 312, 317

### **Critical Reading Abilities:**

ENGL 320, 385

HIST 372

PHIL 325

THEA 352

### **Writing Skills:**

ENGL 201, 202

HIST 380

PHIL 343/POLS 343/SOCI 335

SOCI 320

### **Oral Communication:**

BUSI 416  
COMM 205, 260, 315, 345  
THEA 275, 316

### **Law and Society:**

BUSI 360  
MEDIA 420  
POLS 323  
PSYC 406

## **PRE-SOCIAL WORK MINOR (22 HOURS)**

Core Requirements: (12 hours)

- ECON 215
- POLS 111
- PSYC 101
- SOCI 101

Distribution: (10 hours) one from each category below:

### **Human Biology**

- BIOL 106e Or other Human Biology classes as determined by an advisor

### **Statistics**

- BUSI 325
- MATH 140
- PSYC 232

At least one of the following

- CRMJ 372
- POLS 321, 322
- PSYC 363, 390
- SOCI 320, 345

## **PSYCHOLOGY MINOR**

15 hours with at least one three-credit course at the 300- or 400-level

Public Health Studies minor (16 hours)

HLSC 101, 151, 315, 322

HLSC 304 or PSYC 231 or PSYC 232

PHIL 305

## **RELIGION MINOR (15 HOURS):**

15 hours in Religion (RELG) offerings: option of one offering in Philosophy (PHIL) with permission of department chair

## **SOCIOLOGY MINOR (15 HOURS)**

Requirements:

SOCI 101  
three hours at 300- or 400-level

Electives: Remainder of hours from other departmental offerings

## **Teacher Licensure**

Multi-age world language licensure in Spanish pre-K through 21 is offered. Teacher licensure candidates must meet the requirements of Muskingum University and the Ohio Department of Education for teacher licensure. Contact the education department on campus for specific course requirements. Licensure candidates are required to maintain a minimum average GPA of 3.0 in their language course work, earn a minimum grade of B- in WRLD 397 Methods in Teaching World Languages, and pass the content tests required by the State of Ohio for teacher licensure prior to student teaching. Completion of requirements may take 8 semesters in addition to student teaching.

## **SPANISH MINOR (19 HOURS)**

Requirement:

19 credit hours in Spanish courses taught in Spanish, to include SPAN 240 or one 300 level course taught in Spanish.

## **SPORT ADMINISTRATION MINOR (19 HOURS)**

Requirements:

BUSI 221, 241

SPST 201, 202, 344, 441, 402

Sports Coaching minor (22 hours)

Requirements:

SPST 105, 203, 210, 344, 355, 403 (taken 2 times), 418, 490

## **TEACHING ENGLISH AS A FOREIGN LANGUAGE MINOR (19 HOURS)**

Requirements:

ENGL 361

WRLD 200, 250, 300, 375

FREN/GERM/ SPAN 211 or completion of another college course, at or above the intermediate level, taught in a non-native language

## **THEATRE MINOR (15 HOURS)**

Requirements:

THEA 245, 275

Electives: three upper level three-credit hour Theatre courses

## **COURSE DESCRIPTIONS**

### **ACCT 201 Financial Accounting**

Introduces the basic accounting theory and procedures for proprietorships, partnerships, and corporations.

Credit Hours: 3

### **ACCT 202 Managerial Accounting**

Covers the analysis and interpretation of accounting information for management planning, controlling, and decisions. Prerequisite: ACCT 201.

Credit Hours: 3

### **ACCT 301 Intermediate Accounting I**

Examines the elements of modern financial accounting theory in the preparation of corporate financial statements. Prerequisite: Minimum grade of C in ACCT 201.

Credit Hours: 3

### **ACCT 302 Intermediate Accounting II**

Examines the elements of modern financial accounting theory in the preparation of corporate financial statements. Prerequisite: Minimum grade of C in ACCT 201, ACCT 301.

Credit Hours: 3

### **ACCT 363 Cost Accounting**

Covers manufacturing cost accumulation for product costing and the analysis of costs for managerial decisions. Prerequisite: ACCT 202.

Credit Hours: 3

### **ACCT 364 Income Taxes**

Analyzes federal income tax laws and their application to individuals. Prerequisite: ACCT 201.

Credit Hours: 3

### **ACCT 410 Topics in Accounting**

Offers the student an opportunity to pursue the in-depth study of accounting theory not covered in other accounting courses. The course may be repeated for credit as the subject matter changes. Prerequisite: ACCT 302.

Credit Hours: 3

## **ACCT 411 Advanced Accounting**

Involves the accounting for partnerships, consolidations, foreign currency translation, and governmental units. Prerequisite: ACCT 302.

Credit Hours: 3

## **ACCT 412 Auditing**

Examines the concepts necessary to determine whether a business' financial statements have been prepared in accordance with generally accepted accounting principles. Prerequisite: ACCT 302.

Credit Hours: 3

## **ACCT 420 Accounting Information Systems**

Focuses on acquiring an understanding of business processes which are fundamental to contemporary auditing, professional, and legal considerations relating to the organization's internal control processes. Detailed material on business and internal control processes are central to this course, which stresses information, communication, and electronic commerce applied within the contexts of business processes, transaction cycles, and the internal control processes. Prerequisite: ACCT 301.

Credit Hours: 3

## **ACCT 421 Advanced Taxation**

The second course in the tax series and is a continuation of the Income Taxes course. Advanced taxation issues related to individual taxpayers are examined. In addition, the taxation of corporations, partnerships, exempt entities, estates, and trusts are covered. Prerequisite: ACCT 364.

Credit Hours: 3

## **ACCT 422 Governmental Accounting and Auditing**

Focuses on the unique aspects of the accounting methods that are used by governmental and not-for-profit entities. The course also examines audit procedures and requirements that are applicable to these entities. Prerequisite: ACCT 302.

Credit Hours: 3

## **ACCT 423 Software Applications for Accountants**

Focuses on business applications implementing EXCEL at both the introductory and intermediate levels, and Quickbooks. These skills are then applied to accounting exercises and practice sets. Prerequisite: ACCT 301.

Credit Hours: 3

## **ACCT 495 Seminar**

Enables the student to pursue in depth an approved research project in accounting. Prerequisite: ACCT 302.

Credit Hours: 3

## **ANST 250 Career Development in Animal Studies**

Orients students to the field of animal studies as well as to the array of career opportunities that can extend from a major in animal studies. Students are challenged to investigate the specific knowledge and skills required for job candidates in their area of interest as well as identifying potential employers. As part of the course experience, students are required to develop a presentation of career and employment options based on research conducted

using resources available through the University's Office of Career Services. The seminar requires students to identify academic coursework as well as professional development experiences (e.g., internship opportunities, shadowing programs, research experiences) that are appropriate for their career interests. Students submit a career development plan that highlights the knowledge, skills, and experiences they need to acquire as well as any needs they may have to clarify their goals.

Credit Hours: 1

## **ANST 495 Senior Seminar in Animal Studies**

A capstone course for students completing the animal studies major. The course involves reading and analysis of literature from the field. Students complete a capstone project that generally takes the form of a written literature review, developing a capstone experience that directly relates to the student's career interest area(s). Topics are selected in consultation with the supervising faculty member. Prerequisite: permission of the course instructor.

Credit Hours: 3

## **ANTH 201 Cultural Anthropology**

An introduction to the basic concepts, theories, and methods of cultural anthropology. It deals with the origin, nature, and dynamics of culture, and provides a cross-cultural comparison of the ways of humankind.

Credit Hours: 3

## **ANTH 352 Selected Topics in Anthropology**

Presents an opportunity to read and discuss in depth topics not covered or only partially covered in regular courses. Prerequisite: ANTH 201 or SOCI 101.

Credit Hours: 3

## **ART 112 Drawing I**

Introduces the fundamentals of two-dimensional composition through experiences designed to increase visual perception and provide technical skill. Students are introduced to visual concepts such as positive and negative space, linear perspective, and proportion. Discussion and critiques introduce aesthetic theories.

Credit Hours: 3

## **ART 120 Three-Dimensional Design**

A foundation course which is intended to be completed in the freshman year (or initial year of study) for the art major. The course introduces the fundamentals of three-dimensional compositions for the visual arts. The course is designed to increase visual perception and provide technical skills with fundamental three-dimensional problems. A portion of the course provides experience with the use of tools and materials required in fabrication of three-dimensional media of wood, paper, wire, clay, metals, and new technologies, while another portion of the course focuses on design using traditional and computer related tools.

Credit Hours: 3

## **ART 121 Ceramics I**

Introduces methods and aesthetics from ancient and contemporary practices used worldwide. Fundamental three-dimensional design problems are explored using hand building and wheel throwing techniques. Basic clay and glaze formulation theory along with various firing procedures are included.

Credit Hours: 3

## **ART 131 Sculpture I**

Introduces three-dimensional design elements, criticism, media, technique, and conceptual concerns as employed in contemporary and historical sculpture produced worldwide. Inspiration, conception, and working philosophies are stressed.

Credit Hours: 3

## **ART 141 Photography**

Introduces the fundamentals of black and white photography. This course covers lenses, lighting, camera handling, and various techniques in digital photography. It also involves digital photo manipulation, matting, and displaying prints. Emphasis is on historical development of photography, the study of composition, and creative approaches of photographic expression.

Credit Hours: 3

## **ART 151 Introduction to Art**

Expands the student's awareness and understanding of the visual arts through art theory and critical analysis by emphasizing present, historical, and multi-cultural perspectives.

Credit Hours: 3

## **ART 170 Graphic Design I**

Introduces elements of two-dimensional, visual communication design. Highlights include an investigation of basic concepts and principles of graphic design, and an introduction to utilization of computer software programs in representation, creation, and study of designs. Students design and produce basic-level design projects in a computer-based environment.

Credit Hours: 3

## **ART 212 Drawing II**

A further development of the fundamentals presented in Drawing I, including a variety of media; subject matter including landscape, figure drawing, portrait, and still life; and approaches to personal expression in drawing. Prerequisite: ART 112.

Credit Hours: 3

## **ART 221 Ceramics II**

A thorough investigation of wheel throwing techniques, including a range of glazes and firings. Wheel aesthetics are contrasted with those of hand building. Prerequisite: ART 121.

Credit Hours: 3

## **ART 231 Sculpture II**

A more thorough study of sculptural techniques. Effective communication of conceptual concerns is stressed. Prerequisite: ART 131.

Credit Hours: 3

## **ART 241 Painting I**

Deals with the fundamentals of painting, including color theory, color mixing, preparation of canvas, and other grounds and care of materials. Aesthetic theories and criteria of excellence are introduced.

Credit Hours: 3

## **ART 270 Graphic Design II**

Includes computer-based graphic design areas, and teaches page design and layout of various types. Typography, image, space, color, and form will be integrated as the term progresses. Emphasis is placed on students' application of design concepts to communication purpose, solutions for specific client areas, and development of visual designs that effectively communicate the desired message. Prerequisite: ART 170.

Credit Hours: 3

## **ART 312 Drawing III**

Builds upon Drawing I and Drawing II with a focus on producing more personal and expressive drawing. Advanced composition, communication, content, and idea development are emphasized. Prerequisite: ART 212.

Credit Hours: 3

## **ART 321 Ceramics III**

An advanced investigation of one or more aspects of the field. Emphasis is on competent and informed individual initiative and creation. Prerequisite: ART 221.

Credit Hours: 3

## **ART 331 Sculpture III**

An advanced investigation of one or more aspects of the field with emphasis on competent and informed individual initiative and creation. Prerequisite: ART 231.

Credit Hours: 3

## **ART 341 Painting II**

Focuses upon personal expression and the decisions made in creative endeavors. Students explore individual solutions to painting problems and develop their own aesthetic and style. Prerequisite: ART 241.

Credit Hours: 3

## **ART 350 Art History I**

Introduces Western art from prehistory through Roman classicism and visual art from non-western cultures. Understanding of historical and cultural context is stressed.

Credit Hours: 3

## **ART 351 Art History II**

Investigates Western art from early medieval times through the end of the 1700s. Stylistic influences are stressed.

Credit Hours: 3

## **ART 352 Art History III**

An investigation of why and how Western art changes from the early 1800s to the present. Conceptual and multi-cultural influences are stressed.

Credit Hours: 3

## **ART 370 Graphic Design III**

Focuses on advanced graphic design concepts and ideas, as well as in-depth graphic design features on the computer. Production technology is discussed. Advanced graphic communication and typography concepts are studied. Graphic design in a variety of programs in marketing, communications, advertising, public relations, and

journalism is highlighted. Students work towards building finished portfolio contents. Prerequisites: Art 170 and 212, or permission of the instructor.

Credit Hours: 3

## **ART 380 Middle Level Art Education**

Studies art education methods, philosophies, and practices. Materials/media appropriately used for artistic expression in early childhood, elementary and middle school classrooms are used in laboratory projects. A comprehensive, creative study for teaching students PreK-8 is provided for those seeking multi-age licensure.

Credit Hours: 3

## **ART 381 Adolescent Art Education**

Provides the student intending to teach secondary art with information and methods necessary for teaching the secondary school art student.

Credit Hours: 3

## **ART 412 Life Drawing**

Consists of drawing from the nude, draped and clothed human figure from masterpieces in books or museums, with emphasis on study of structure, proportion and anatomy for artists. Various media and approaches to drawing figure are used. Prerequisite: ART 212 or permission of the instructor.

Credit Hours: 3

## **ART 441 Painting III**

Provides the advanced student with the opportunity to develop control and mastery of the techniques and methods acquired in ART 241 and ART 341. A personal aesthetic and style are emphasized. Prerequisite: ART 341

Credit Hours: 3

## **ART 455 Student Teaching in Primary/Middle Level Visual Arts**

Involves students as practice teachers in a six-week supervised experience in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on students' performance completed in a primary or middle school setting, grades K-3 or grades 4-8.

Credit Hours: 5

## **ART 457 Student Teaching in Secondary Visual Arts**

Involves students as practice teachers in a six-week supervised experience in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on students' performance completed in a secondary school setting, grades 9-12.

Credit Hours: 5

## **ART 490 Senior Seminar and Capstone Assessment**

Provides the senior art major with a gallery exhibit experience. The student carries out all aspects of designing, publicizing, and hanging an exhibit of visual work done during college. The student completes the required portfolio competencies of written paper, interdisciplinary art, inter-cultural art, art history, and power points of images.

Credit Hours: 2

## **ART 491 Directed Study**

Allows the advanced student to create independent work under faculty guidance with permission of the department chair.

Credit Hours: 1

## **ART 492 Directed Study**

Allows the advanced student to create independent work under faculty guidance with permission of the department chair.

Credit Hours: 2

## **ART 493 Directed Study**

Allows the advanced student to create independent work under faculty guidance with permission of the department chair.

Credit Hours: 3

## **ART 494 Directed Study**

Allows the advanced student to create independent work under faculty guidance with permission of the department chair.

Credit Hours: 4

## **ATHT 110 Introduction to Athletic Training I**

Presents an overview of the profession of athletic training as well as a survey of the fundamentals of athletic medicine, including an overview of injuries. This course is a requirement for those students wishing to apply for admission into the Athletic Training Program (ATP).

Credit Hours: 3

## **ATHT 120 Introduction to Athletic Training II**

Provides students with instruction on a variety of skills necessary to begin the practice of athletic training. This course is a requirement for those students wishing to apply for admission into the ATP. The course includes both classroom and laboratory components. Prerequisite: ATHT 110.

Credit Hours: 4

## **ATHT 170 Orthopedic Anatomy**

Focuses on the structural anatomy of the body, in particular the skeletal, ligamentous, musculo-tendinous and neurologic systems. The course prepares pre-athletic training students with the anatomy necessary to be successful in future athletic training courses. This course is a requirement for those students wishing to apply for admission to the ATP. Prerequisite: ATHT 110.

Credit Hours: 3

## **ATHT 201 Practicum**

Provides the student with clinical based opportunities within a variety of athletic training settings working under the direct supervision of a preceptor. Classroom and laboratory sessions are designed to review specific educational competencies and clinical proficiencies. Students complete integrated clinical proficiencies as required for completion of the athletic training program. Students are required to complete a minimum of 120 hours during the semester while assigned to a clinical rotation, in addition to one hour of classroom instruction each week. Clinical education rotations include a rotation in each of the following areas: upper extremity intensive, lower extremity intensive, non-orthopedic/non-sport intensive, and equipment intensive. Prerequisite: Formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 202 Practicum**

Provides the student with clinical based opportunities within a variety of athletic training settings working under the direct supervision of a preceptor. Classroom and laboratory sessions are designed to review specific educational competencies and clinical proficiencies. Students complete integrated clinical proficiencies as required for completion of the athletic training program. Students are required to complete a minimum of 120 hours during the semester while assigned to a clinical rotation, in addition to one hour of classroom instruction each week. Clinical education rotations include a rotation in each of the following areas: upper extremity intensive, lower extremity intensive, non-orthopedic/non-sport intensive, and equipment intensive. Prerequisite: Formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 250 Upper Extremity Assessment**

Entails the study of evaluation techniques for injuries to the thoracic and cervical spine, the head and the upper extremities. Review of anatomy, injury recognition, muscle testing, treatment protocols and preventative measures are also examined. The course is taught in both classroom and laboratory settings. Prerequisite: Formal acceptance into the ATP.

Credit Hours: 4

## **ATHT 255 Lower Extremity Assessment**

Entails the study of evaluation techniques for injuries to the lower extremities and lower back. Anatomy, injury recognition, muscle testing, treatment protocols and preventative measures are also examined. The course is taught in both classroom and laboratory settings. Prerequisite: ATHT 250.

Credit Hours: 4

## **ATHT 260 Therapeutic Intervention I**

Examines the broad field of therapeutic exercise and rehabilitation techniques. Didactic instruction covers various skills used in therapeutic rehabilitation of major body areas following injury or disease. Topics also include therapeutic modalities, and pharmacology. Prerequisite: Formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 265 Therapeutic Intervention II**

Utilizes intervention strategies as applied to specific injury rehabilitation programs. Students design and implement programs in the rehabilitation of patients from injuries and conditions. Both classroom and laboratory settings are used. Prerequisite: ATHT 260.

Credit Hours: 3

## **ATHT 301 Practicum**

Provides the student with clinical based opportunities within a variety of athletic training settings working under the direct supervision of a preceptor. Classroom and laboratory sessions are designed to review specific educational competencies and clinical proficiencies. Students complete integrated clinical proficiencies as required for completion of the athletic training program. Students are required to complete a minimum of 120 hours during the semester while assigned to a clinical rotation, in addition to one hour of classroom instruction each week. Clinical education rotations include a rotation in each of the following areas: upper extremity intensive, lower extremity intensive, non-orthopedic/non-sport intensive, and equipment intensive. Prerequisite: ATHT 201, 202, formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 302 Practicum**

Provides the student with clinical based opportunities within a variety of athletic training settings working under the direct supervision of a preceptor. Classroom and laboratory sessions are designed to review specific educational competencies and clinical proficiencies. Students complete integrated clinical proficiencies as required for completion of the athletic training program. Students are required to complete a minimum of 120 hours during the semester while assigned to a clinical rotation, in addition to one hour of classroom instruction each week. Clinical education rotations include a rotation in each of the following areas: upper extremity intensive, lower extremity intensive, non-orthopedic/non-sport intensive, and equipment intensive. Prerequisite: ATHT 201, 202, formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 370 General Medical Conditions**

Focuses on clinical signs and symptoms of pathology, which will allow the practicing athletic trainer to recognize systemic illnesses and injuries. The use of pharmacological agents in acute and chronic illnesses and conditions is also discussed. Prerequisite: ATHT 265.

Credit Hours: 4

## **ATHT 375 Therapeutic Modalities**

Provides the student with the opportunity to develop knowledge of and proficiency in the theory and practice of the techniques and methods of therapeutic modalities (such as thermal and electromagnetic agents) which are used in the treatment and care of athletic injuries. Prerequisite: Formal acceptance into the ATP.

Credit Hours: 4

## **ATHT 395 Research Methods**

Introduces the basic skill necessary to critique research in athletic training. Students focus on the process of selecting a topic and then writing a manuscript to be submitted for publication. The course prepares the Athletic Training student for 495, Senior Seminar. Prerequisite: ATHT 370.

Credit Hours: 3

## **ATHT 401 Practicum**

Provides the student with clinical based opportunities within a variety of athletic training settings working under the direct supervision of a preceptor. Classroom and laboratory sessions are designed to review specific educational competencies and clinical proficiencies. Students complete integrated clinical proficiencies as required for completion of the athletic training program. Students are required to complete a minimum of 120 hours during the semester while assigned to a clinical rotation, in addition to one hour of classroom instruction each week. Clinical education rotations include a rotation in each of the following areas: upper extremity intensive, lower extremity intensive, non-orthopedic/non-sport intensive, and equipment intensive. Prerequisite: ATHT 301, 302, formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 402 Practicum**

Provides the student with clinical based opportunities within a variety of athletic training settings working under the direct supervision of a preceptor. Classroom and laboratory sessions are designed to review specific educational competencies and clinical proficiencies. Students complete integrated clinical proficiencies as required for completion of the athletic training program. Students are required to complete a minimum of 120 hours during the semester while assigned to a clinical rotation, in addition to one hour of classroom instruction each week. Clinical education rotations include a rotation in each of the following areas: upper extremity intensive, lower extremity intensive, non-orthopedic/non-sport intensive, and equipment intensive. Prerequisite: ATHT 301, 302, formal acceptance into the ATP.

Credit Hours: 3

## **ATHT 470 Organization and Administration**

A study of the concepts of healthcare organization and administration relative to athletic training. The course covers such topics as legal liability, fiscal management, facilities operation, personnel supervision, public relations, and organizational structures. Prerequisite: ATHT 395.

Credit Hours: 3

## **ATHT 495 Senior Seminar**

Enables the student to pursue in depth an approved research project with a focus on the evidence-based practice of athletic training. Students research a specific topic and prepare an oral presentation as well as a written paper. Prerequisite: ATHT 395.

Credit Hours: 3

## **ATHT 496 Current Concepts in Athletic Training**

Examines special topics pertaining to the field of athletic training and sports medicine. Topics may include nutrition, equipment utilization, women in athletics and/or other advanced topics in athletic training identified by students. This course also begins preparation for students taking the BOC Examination. Prerequisite: ATHT 495.

Credit Hours: 3

## **BIOL 100 Science and Society**

Intended for non-science majors, although a total of two credit hours from this course or Biology 106 may be applied toward the biology major. Offerings focus on an area of the biological sciences which has an impact on society. Discussions include the impact this area has on society and include an exploration of the use of scientific method. Each offering focuses on one primary topic area. Examples of a primary topic area include environmental science, conservation science, or human health.

Credit Hours: 3

## **BIOL 106 Contemporary Biologic Issues**

Intended for non-science majors, although two credit hours from any one of the following classes may be applied toward the biology major. In addition, more than one course may be taken for graduation credit, but only one counts for the gen ed requirement. Topical offerings provide students with current content knowledge within important fields of biological science and also serve as a platform for illustrating how scientific inquiry develops and addresses scholarly questions. Following are descriptions of the different course offerings:

- a. Environmental Science examines the basic principles of evolution, ecology, and population biology. These principles lay the groundwork for a detailed look at world biodiversity, conservation, sustainable resource use, and anthropogenic-based water and air pollution. Lecture and laboratory experiences are included.
- b. Conservation Science deals with the threats facing the Earth's biological diversity such as habitat destruction, overexploitation, and exotic species introductions. In addition, practical approaches to maintaining and managing biological diversity are examined and the critical linkages between ecology, economics, and politics are emphasized. Possible weekend field trips included. Lecture and laboratory experiences are included.
- c. Concepts in Evolution provide an introduction to fundamental principles underpinning contemporary evolutionary biology. In addition to lecture and text readings, weekly discussion meetings provide a forum for evaluating the extent to which evolutionary principles may provide a contextual framework for understanding a number of contemporary social issues. Lecture and laboratory experiences are included.
- d. Genetic Frontiers and Biotechnology surveys the scientific principles, applications and social implications of genetic engineering. Lecture and laboratory experiences are included.

e. Human Biology surveys basic biological chemistry, scientific method, tissues and organ systems and applies this to demonstrate how biology influences our quality of life. Lecture and laboratory experiences are included.

f. Human Diseases surveys microbes and disease with special emphasis on infectious diseases caused by bacteria and viruses. The characteristics of microbes, interaction between microbes and host, immunity to disease, and treatment are also emphasized. Lecture and laboratory experiences are included.

Credit Hours: 4

## **BIOL 107 Biology Laboratory I**

A laboratory course that utilizes observation and experimentation to explore the principles of evolution and the defining characteristics of several of the major animal phyla. Co-requisite: BIOL 111.

Credit Hours: 1

## **BIOL 108 Biology Laboratory II**

A laboratory course that utilizes observation and experimentation to study the structure and function of various organs and organ systems in vertebrates. Co-requisite: BIOL 112.

Credit Hours: 1

## **BIOL 111 Organismal Biology I**

Studies the principles of biological evolution; examines the defining characteristics of all of the major animal phyla and introduces the major principles of ecology. Co-requisite: BIOL 107.

Credit Hours: 3

## **BIOL 112 Organismal Biology II**

Studies the structure and function of various organ systems in vertebrates. Examples from invertebrates are frequently used to emphasize diversity, adaptability, and evolution. Corequisite: BIOL 108.

Credit Hours: 3

## **BIOL 121 Anatomy & Physiology I**

Focuses on the anatomy and physiology of the human body. This is the first part of a two-course offering in human anatomy and physiology which covers how the body is organized, support, and regulated.

Credit Hours: 4

## **BIOL 122 Anatomy & Physiology II**

Focuses on the anatomy and physiology of the human body. This is the second part of a two-course offering in human anatomy and physiology and primarily focuses on the maintenance and continuity of the human body.

Credit Hours: 4

## **BIOL 213 Functional Histology**

Studies the structure and function of animal tissues and the methods used in preparing them for microscopic examination. Lecture and laboratory experiences are included. Prerequisites: BIOL 112, 108.

Credit Hours: 4

## **BIOL 221 Vascular Plant Systematics**

Deals with the classification, evolution, and natural history of selected families of vascular plants with emphasis on the regional flora. Students are required to develop their own plant collection. Prerequisites: BIOL 111, 107.

Credit Hours: 4

## **BIOL 226 Introduction to Cell and Molecular Biology**

Focuses on cell structure and function, membrane structure and function, cellular energy, photosynthesis, glycolysis, cellular respiration, DNA, gene activity, the regulation of gene activity, recombinant DNA, and biotechnology. Prerequisites: BIOL 112 and 108 or 121 or 122.

Credit Hours: 3

## **BIOL 232 Vertebrate Natural History**

Deals with the identification, classification, and natural history of vertebrate animals of the local region. Lecture, laboratory, field experiences, and possible Saturday field trips are included. Prerequisites: BIOL 111, 107.

Credit Hours: 4

## **BIOL 240 Animal Behavior**

Examines the basic principles of animal behavior as derived from evolution, ecology, ethology and development. The course focuses on important biological activities, such as communication, mating, foraging, migration, predator-prey interactions, and parental care. Prerequisites: BIOL 111, 107, 112, 108.

Credit Hours: 3

## **BIOL 304 Evolution**

Provides an in-depth exposure to contemporary evolutionary biology through lectures and selected readings from the primary literature. The course not only emphasizes information germane to the theory itself, but also important questions currently facing researchers in the field. Course requirements include three exams and a semester-long writing project. Prerequisite: BIOL 111, 107, 112, 108.

Credit Hours: 4

## **BIOL 305 Human Genetics**

Provides an overview of fundamental principles, concepts, and knowledge in the field of genetics. The course places particular emphasis on those aspects of genetics that are germane to human heredity and health. Prerequisite: Permission of the department. Does not count toward the biology major.

Credit Hours: 3

## **BIOL 306 Genetics**

Surveys the fundamental principles of heredity and variation. Lecture and laboratory experiences are included. Prerequisite: BIOL 112 and 108 or 121 and 122.

Credit Hours: 4

## **BIOL 308 General Ecology**

Examines the interrelationships between organisms and the environments in which they live. Lecture, laboratory, extensive field work, and possible Saturday field trips are included. Prerequisite: BIOL 111, 107.

Credit Hours: 4

## **BIOL 312 Microbiology**

Studies the relationship between microorganisms and our lives. The course explores the nature of microorganisms with special emphasis placed on bacteria of importance to medicine and industry. The course also explores body defense mechanisms. Lecture and laboratory experiences are included. Prerequisites: BIOL 112 and 108 or 121 and 122, CHEM 111, 112.

Credit Hours: 4

## **BIOL 321 Advanced Botany**

An evolutionary study of the evolution, morphology, and life-history traits of the major plant and algae groups. Lab emphasizes anatomy. Prerequisite: BIOL 111, 107.

Credit Hours: 4

## **BIOL 336 Cellular Physiology**

Studies the cellular processes involved in membranes, bioenergetics, control systems, neurochemistry, muscles, and glands. Laboratory emphasizes basic techniques used in cell biology and biochemistry. Prerequisites: BIOL 112, 108, 226, CHEM 111, 112.

Credit Hours: 4

## **BIOL 346 Pathophysiology**

Provides an understanding of how physiological changes manifest themselves under altered health states. Upon completion of the course students will possess an understanding of how altered health states change normal physiological conditions. Additionally, students will understand basic methods of detection and putative treatment strategies. Prerequisites: BIOL 112 or 121 and 122.

Credit Hours: 3

## **BIOL 368 Fundamental Neuroscience**

Emphasizes basic neurophysiology, neurochemistry, synaptic function, coordinated organismal functions, and common neurological disorders. Laboratory emphasizes neuroanatomy. Prerequisites: BIOL 112, 108, 226. Cross listed as NRSC 368.

Credit Hours: 4

## **BIOL 373 Comparative Vertebrate Anatomy**

Studies the origin, relationships, and comparative morphology of a representative series of chordates. Lecture and laboratory experiences are included. Prerequisites: BIOL 112, 108.

Credit Hours: 4

## **BIOL 375 Molecular Biology**

Studies the biochemical and molecular interactions within living cells with special emphasis placed on protein structure, gene structure and expression, gene regulation, and genetic engineering. Lecture and laboratory experiences are included. Prerequisites: BIOL 112, 108, 226, CHEM 111, 112.

Credit Hours: 4

## **BIOL 376 Pathophysiology II (MAP)**

Provides an understanding of how physiological changes manifest themselves under altered health states. Upon completion of this course, students will possess an understanding of how altered health states change normal physiological conditions. Additionally, students will understand basic methods of detection and putative treatment

strategies. This is one of two-course offerings in pathophysiology and primarily focuses on neurological, musculoskeletal and integumentary pathologies.

Credit Hours: 3

## **BIOL 385 Topics in Biology**

Provides an opportunity to study areas of biology not covered by the established curriculum. Prerequisite: Permission of instructor.

Credit Hours: 1-4

## **BIOL 420 Senior Seminar**

Involves a discussion of a series of scientific papers covering a biological topic. In addition, students search the biological literature related to the topic and prepare an oral presentation as well as a written paper. Prerequisite: biology major and junior standing.

Credit Hours: 3

## **BIOL 421 Biological Research**

Involves laboratory and/or field research on a biological problem. Prerequisite: BIOL 420 and permission of the instructor.

Credit Hours: 2

## **BIOL 422 Biological Research**

Involves laboratory and/or field research on a biological problem. Prerequisite: BIOL 421 and permission of the instructor.

Credit Hours: 2

## **BUSI 221 Organizational Management**

Examines the classical, behavioral, and quantitative schools of management theory, with particular attention given to current research and practice. The nature of authority and responsibility, departmentation, line and staff relationships, organizational growth, managerial development, decision-making, and leadership of both profit and non-profit organizations are among the topics discussed.

Credit Hours: 3

## **BUSI 241 Marketing**

Studies the problems of distributing goods, both industrial and consumer. Special attention is given to the increased importance of marketing techniques in modern economies.

Credit Hours: 3

## **BUSI 318 Managerial Finance**

Studies the management of fixed and working capital, short and long-range financial planning, money and capital markets, expansion of income administration, business failures, and business reorganization. Prerequisite: ACCT 201, ECON 215.

Credit Hours: 3

## **BUSI 325 Statistics**

Concerned with the analysis of data and application of the principles of probability theory, decision theory, and statistical inference to the analysis of business and economic data. Emphasis is placed on the construction of economic models in order to gain an understanding of business and government.

Credit Hours: 3

## **BUSI 326 Financial Analysis and Investment**

Evaluates analytic techniques and alternative financial instruments available to the investor. Emphasis is placed on security selection, portfolio management, and the operation of markets. Prerequisite: ACCT 201, ECON 215.

Credit Hours: 3

## **BUSI 360 Business Law**

Studies law as it relates to business, including torts, crimes, contracts, commercial paper, and anti-trust laws.

Credit Hours: 3

## **BUSI 411 Topics in Business**

An in-depth study of current theory in selected areas and its application to organizational operations. The course may be repeated for credit as the subject matter changes. Prerequisite: By section specified at each offering.

Credit Hours: 3

## **BUSI 412 International Business**

Studies business in a global context, stressing cultural, political, and economic environments facing international business and operational aspects of international management, international marketing, and international finance. Prerequisite: BUSI 221, 241.

Credit Hours: 3

## **BUSI 413 Software Applications for Business**

Focuses on implementing EXCEL and Quickbooks at both the beginning and intermediate levels. ACCESS is implemented at the beginning level.

Credit Hours: 3

## **BUSI 414 Business Ethics**

Explores how managerial ethical behavior affects organizations, employees, communities, and society. Emphasis is placed on current situations facing managers as they operate in an environment demanding increased corporate ethical behavior.

Credit Hours: 3

## **BUSI 415 Human Resource Management**

Provides students with a thorough understanding of Human Resource Management issues, practices, and procedures. Through the use of classroom lectures, experiential activities, and cases, students develop the ability to transfer advanced knowledge into practical applications when confronted with human resource opportunities, problems, and challenges.

Credit Hours: 3

## **BUSI 416 Professional Selling**

Involves the study of direct person-to-person communication that facilitates mutually satisfying exchanges of value. Students discuss and analyze the techniques, myths, issues, ethics, and roles in sales. Many skills that a successful salesperson needs are addressed through both in-class and out-of-class activities. Prerequisite: BUSI 241.

Credit Hours: 3

## **BUSI 417 Advertising**

Familiarizes the student with the primary methods by which goods, services, ideas, people, and organizations can be advertised to an audience. A strong emphasis is on the issues surrounding the management and planning of an integrated marketing communications strategy. Prerequisite: BUSI 241.

Credit Hours: 3

## **BUSI 419 Consumer Behavior**

Analyzes the various inputs to, influences on, and outcomes of the consumer buying decision process. Among the topics discussed are consumer motivation; exposure and attention to marketing stimuli; learning, memory, and retrieval; attitude formation and change; problem recognition, information search, evaluation, and purchase decision making; social, cultural, and situational influences on consumer behavior; and various special topics. Prerequisites: BUSI 221, 241.

Credit Hours: 3

## **BUSI 420 Management Information Systems**

Provides a thorough understanding of how the manager can use the computer in problem solving. It is assumed that students understand the role of the computer as a problem-solving tool.

Credit Hours: 3

## **BUSI 422 Marketing Research**

Studies the tools and techniques available for gathering and analyzing information to be used by those making strategic marketing decisions. Prerequisite: BUSI 241.

Credit Hours: 3

## **BUSI 423 International Marketing**

Broadens the principles of marketing to include corporations conducting business in a global environment. Special attention is given to social, cultural, political, economic and other factors affecting international marketing operations. Prerequisite: BUSI 241.

Credit Hours: 3

## **BUSI 430 Employment Law for Business (MAP)**

This course provides students with an overview of the employment-related legal environment impacting the 21st Century American workplace. The course focuses on an overview of the rights and obligations of both the employer and the employee and provides practical examples of how employment laws impact the business setting.

Credit Hours: 3

## **BUSI 431 Topics in Human Resource Management (MAP)**

This course is designed to be a topics course within the specific discipline of Human Resource Management. The course allows the instructor and the B.S. Program in Human Resource Management to take advantage of the most topical and relevant concepts and issues in human resources. This course adds needed depth to a student's learning in the Human Resource major (MAP only), and the course should involve both theoretical and case study as well as applied assignments in the topical area(s).

Credit Hours: 3

## **BUSI 440 Marketing Analytics & Strategy (MAP)**

This course is designed to be a two-fold, integrated approach to understanding and applying appropriate marketing planning and strategy. The first part of the course examines the proper way to organize, analyze, and integrate relevant and reliable research data and information so that it can be used most efficiently and effectively in strategic marketing. The second part of this course is a comprehensive examination of marketing planning and strategy, culminating with the student developing a marketing plan.

Credit Hours: 3

## **BUSI 450 Strategic Management (MAP)**

This course is designed to be a comprehensive examination of strategic management of organizations and how an upper-level manager formulates and implements an appropriate strategy. At a minimum, students will investigate the following: the strategic management process, mission statements, objectives, external and internal analysis, business level strategies, competitive dynamics, financial statement analysis, ethical issues in strategic management, corporate level strategies, international strategies, strategy implementation and organizational change, and corporate governance. Integration of the various management and business disciplines previously studied and experienced as well as the opportunity to develop managerial decision-making abilities.

Credit Hours: 3

## **BUSI 495 Seminar**

Enables the student to pursue an approved research project in business theory. May be taken twice for credit by students completing both the Marketing and Business Management majors. Prerequisite: Departmental approval.

Credit Hours: 3

## **BUSI 496 Bachelor of Science Seminar in Business (MAP)**

This course is designed to be the capstone experience for a student in the B.S. major degree of study, Business Administration, Marketing, or Human Resource Management. The seminar course requires the student to engage in a significant scientific research project of applied professional project in the discipline of their major.

Credit Hours: 3

## **CHEM 101 Joy of Chemistry**

An application of scientific methods of inquiry through a survey of fundamental chemical concepts as they relate to contemporary societal topics of interest. Examples of topics covered include food chemistry, chemistry of brewing, chemistry and your body, forensic chemistry, environmental chemistry, chemistry and art. It is designed for non-science majors to gain an appreciation for the natural sciences. This course is not open to those who already have credit for a 100-level chemistry course.

Credit Hours: 3

## **CHEM 105 Issues in the Chemical Sciences**

Designed for non-science majors. Attention is directed to the dynamic and social nature of chemical science by relating contributions of individuals and groups to the advancement of chemical knowledge. Sections of the course are dedicated to exploring the role of chemistry in selected areas of importance to society through the presentation of a set of fundamental chemical concepts. This course is not open to those who already have credit for a 100-level chemistry course.

Credit Hours: 4

## **CHEM 108 General, Organic, and Biological Chemistry**

The study and application of fundamental chemical concepts in the context of the allied health sciences. Special attention is paid to the areas of general chemistry that can be directly applied to the understanding of organic and biological chemistry.

Credit Hours: 4

## **CHEM 111 General Chemistry I**

Serves as foundation courses for the areas of physical, analytical, inorganic, organic, and biochemistry. Emphasis is placed on the topics of atomic structure, periodicity, stoichiometry, bonding, thermochemistry, kinetics, equilibria, and electrochemistry. The companion laboratories focus on standard and instrumental laboratory methodologies with experiments chosen to illustrate key topics from lecture.

Credit Hours: 4

## **CHEM 112 General Chemistry II**

Serves as foundation courses for the areas of physical, analytical, inorganic, organic, and biochemistry. Emphasis is placed on the topics of atomic structure, periodicity, stoichiometry, bonding, thermochemistry, kinetics, equilibria, and electrochemistry. The companion laboratories focus on standard and instrumental laboratory methodologies with experiments chosen to illustrate key topics from lecture. Prerequisite: CHEM 111

Credit Hours: 4

## **CHEM 200 Laboratory Safety**

Emphasizes “safety first” through experiment planning, including habitual attention to risk assessment and consideration of hazards for oneself, fellow workers, and the public. The course concentrates on developing a prudent attitude toward dealing with laboratory hazards and fosters a determination to make every effort to be informed about risks and reduce them to a minimum. Prerequisite: previous or concurrent enrollment in a laboratory science course.

Credit Hours: 1

## **CHEM 213 Organic Chemistry I**

A study of the structure, properties, preparation, and reactions of different classes of organic compounds, including aliphatic hydrocarbons, alcohols, carbonyl compounds, amines, and aromatic compounds, with applications of this material to biological, environmental and industrial processes. Special emphasis is placed on reaction mechanisms and fundamental principles to gain an understanding of the basic principles of organic reactions. The laboratory stresses synthesis, isolation, and purification of carbon compounds along with qualitative organic analysis including different methods of spectroscopy. Prerequisite: CHEM 112.

Credit Hours: 4

## **CHEM 214 Organic Chemistry II**

A study of the structure, properties, preparation, and reactions of different classes of organic compounds, including aliphatic hydrocarbons, alcohols, carbonyl compounds, amines, and aromatic compounds, with applications of this material to biological, environmental and industrial processes. Special emphasis is placed on reaction mechanisms and fundamental principles to gain an understanding of the basic principles of organic reactions. The laboratory stresses synthesis, isolation, and purification of carbon compounds along with qualitative organic analysis including different methods of spectroscopy. Prerequisite: CHEM 213

Credit Hours: 4

## **CHEM 230 Foundational Inorganic Chemistry**

Presents a descriptive exploration of the chemistry of inorganic compounds including the structure, bonding, and reactions of main-group molecules, an introduction to the principles of coordination chemistry, and an examination of the structures and properties of extended solids. Prerequisite: CHEM 112

Credit Hours: 3

## **CHEM 235 Environmental Chemistry**

Focuses on the study of current environmental problems including acid rain, ozone depletion, global climate change, urban air pollution, and ground water contamination. Laboratory work emphasizes concepts of special importance in environmental chemistry as well as field sampling and analysis. Prerequisite: CHEM 112.

Credit Hours: 4

## **CHEM 240 Topics in Forensic Chemistry**

A presentation and discussion of forensic chemistry topics of current interest and importance. This is a seminar-style course that provides the opportunity for students to gain an understanding of the field through general readings as well as the recent literature. Prerequisite: CHEM 111 or permission of the instructor.

Credit Hours: 1

## **CHEM 250 Professional Development for Chemists**

This course will help Chemistry majors and minors navigate the professional world and prepare them for success. Students will explore careers, professional schools, internships and other professional opportunities. Required for all Chemistry majors and must be taken in the fall semester of the sophomore or junior years. This course is also open to Chemistry Minors as well as other science majors. Pre-requisite: CHEM 112

Credit Hours: 1

## **CHEM 295 Chemistry Research**

Provides the opportunity for investigation of research questions in the field of chemistry through laboratory and/or library research as supervised by a departmental faculty member. Four to five hours of work per week during the semester is equivalent to one credit hour. May be repeated for credit. Does not count toward the major. Graded S/U. Prerequisite: Permission of the department

Credit Hours: 1-4

## **CHEM 315 Physical Chemistry I**

The study of the macroscopic, microscopic, and molecular phenomena in chemical systems. Concepts of thermodynamics, kinetics, equilibrium, quantum chemistry, and spectroscopy are developed. Prerequisite: CHEM 112; Co-requisite: MATH 200, PHEN 121.

Credit Hours: 4

## **CHEM 316 Physical Chemistry II**

The in-depth study of molecular phenomena in chemical systems. Concepts of atomic and molecular structure, quantum chemistry, and spectroscopy are developed. A working knowledge of computational chemistry is developed. Prerequisite: CHEM 315.

Credit Hours: 3

## **CHEM 335 Analytical Chemistry**

A study of the modern methods of chemical separation and analysis. In the laboratory emphasis is placed on application of modern instrumentation to chemical problems. Prerequisite or co-requisite: CHEM 315.

Credit Hours: 4

## **CHEM 355 Advanced Laboratory in Chemistry**

Emphasizes thermodynamics, kinetics, quantum chemistry, and analysis through the application of modern analytical and physical techniques. Prerequisite: CHEM 214, 315.

Credit Hours: 3

## **CHEM 418 Biochemistry I**

The study of the chemistry of enzyme function and regulation, and the chemistry of metabolic pathways. Emphasis is placed on the structure-activity correlations and mechanisms of reactions, as well as on the thermodynamics and kinetics of the reactions involved. The lab portion of the course includes current techniques for isolation and analysis of biomolecules and the study of enzymatic processes. Prerequisite: CHEM 214.

Credit Hours: 4

## **CHEM 419 Biochemistry II**

The study of the biosynthesis of amino acids and proteins, nucleic acids, and lipids, and carbohydrates. These are analyzed at the molecular and mechanistic level through a detailed study of structure, function, and reactions of the compounds involved. Prerequisite: CHEM 214.

Credit Hours: 3

## **CHEM 425 Advanced Inorganic Chemistry**

The study of atomic, molecular, and crystalline solid state structures of the elements, inorganic compounds, and organometallic compounds. Bonding models and applications of molecular and solid state symmetry are considered. Properties and selected modern applications such as catalysis are investigated. The lecture and laboratory emphasize a variety of chemical synthesis methods and instrumental methods of analysis. Prerequisite: CHEM-230 Prerequisite or co-requisite: CHEM 315.

Credit Hours: 4

## **CHEM 440 Topics in Forensic Chemistry**

A seminar-style course that examines important topics in the field in depth, through readings, discussions, and presentations. Prerequisite: CHEM 214, 240.

Credit Hours: 1

## **CHEM 441 Forensic Chemistry Laboratory**

Focuses on the practical applications of instrumentation used in a forensic laboratory for the chemical analysis of various types of physical evidence such as accelerants, explosives, paints, fibers, glass, and suspected drug substances. Prerequisite: CHEM 240, Pre- or co-requisite: CHEM 214.

Credit Hours: 3

## **CHEM 445 Topics in Modern Chemistry**

Focuses on selected special topics from the chemistry disciplines: analytical, inorganic, organic, physical, or biochemistry. The topics are chosen for their importance to modern chemistry. Prerequisite: Completion of all curricular requirements for the chemistry minor.

Credit Hours: 1-3

## **CHEM 454 Chemistry Seminar and Literature Research**

Involves comprehensive literature research on a chemistry-related topic of the student's choice, and writing of a detailed report on the findings. The course also features oral presentations, as well as the writing of a research proposal on the same topic researched in the literature. In addition, students are required to attend seminars by

visiting scientists, organized by the department. All departmental faculty participate in this course. Pre-requisite: CHEM 250 Co-requisite: CHEM 355.

Credit Hours: 2

## **CHEM 455 Chemistry Seminar and Laboratory Research**

An independent experience under the guidance of one or more faculty members, designed to expose students to methods of investigation and inquiry, and enhance critical thinking and problem-solving skills. The course also includes oral presentations and writing of a final scientific paper. In addition, to stay current in the field being researched, students continue the literature research begun in CHEM 454. Students are also required to attend a weekly seminar meeting. Prerequisites: CHEM 355, 454.

Credit Hours: 4

## **CHFST 495 Senior Seminar**

The capstone course for child and family studies majors. The student engages in an in-depth study of a topic that brings together the core and area of specialization and involves a literature review. The topic is selected in consultation with the professor.

Credit Hours: 3

## **COMM 101 Communication Practicum**

Provide laboratory or workshop experiences in speech communication, telecommunications, or interpretation. Registration is with the department chair at final registration. Restrictions: maximum of two COMM practica hours per year; maximum of four COMM practica hours toward major or minor.

Credit Hours: 1

## **COMM 120 Introduction to Communication**

Examines concepts and the various disciplines found in communication with emphasis on the centrality of the discipline across a wide variety of contexts and its relevance to society. This course is offered as an exploratory course for first-year students or students in their first year at Muskingum.

Credit Hours: 3

## **COMM 200 Fundamentals of Speech Communication**

Develops knowledge of the basic principles, types, and theories of communication. It also provides practice in selecting and evaluating speech materials, organizing and phrasing ideas, controlling voice and body, and in critical thinking and listening. Special attention is paid to those students who may have issues with speech apprehension.

Credit Hours: 3

## **COMM 201 Communication Practicum**

Provide laboratory or workshop experiences in speech communication, telecommunications, or interpretation. Registration is with the department chair at final registration. Restrictions: maximum of two COMM practica hours per year; maximum of four COMM practica hours toward major or minor.

Credit Hours: 1

## **COMM 205 Extemporaneous Speaking**

Emphasizes the basic principles of this form of speech. The student furthers work in basic public speaking skills while learning to assemble materials efficiently and logically within a limited time period for class presentations.

Credit Hours: 3

## **COMM 206 Voice and Diction**

Involves intensive drill, on a phonetic basis, in articulating the sounds which make up the English language, with attention to the production of good vocal quality and expression. A study of the history of English sounds gives the student the necessary background to understand how spoken English evolved and to develop skills in use of the International Phonetic Alphabet.

Credit Hours: 3

## **COMM 207 Introduction to Speech Pathology**

Introduces and emphasizes the basic principles of speech language pathologies and audiology. Students learn the causes and origins of speech, language, and audiology processes in human communication. Prerequisite: Permission of the instructor.

Credit Hours: 3

## **COMM 225 Communication Theory**

Examines major theories of communication studies in terms of requirements for theory, theory development and associated research and application.

Credit Hours: 3

## **COMM 260 Oral Interpretation of Literature**

Deals with the oral re-creation of literature for a specific audience, placing the interpreter as intermediary between the author's intent and the needs of the listener. The interpreter may choose to work with prose, poetry, non-fiction prose or drama.

Credit Hours: 3

## **COMM 301 Communication Practicum**

Provide laboratory or workshop experiences in speech communication, telecommunications, or interpretation. Registration is with the department chair at final registration. Restrictions: maximum of two COMM practica hours per year; maximum of four COMM practica hours toward major or minor.

Credit Hours: 1

## **COMM 315 Argumentation**

Explores the reasoning process in both theory and practice. Students develop both sides of an argument in classroom debates. A written brief is prepared on a contemporary question which has been researched and debated in class. Prerequisite: COMM 200.

Credit Hours: 3

## **COMM 316 Intercollegiate Forensics**

Teaches various aspects of speech competition. Students learn how to compete in public address, oral interpretation, limited preparation events, and debate. Restrictions: may be repeated with a maximum of 6 hours counted toward the major, ten toward graduation requirements. Prerequisite: Permission of instructor.

Credit Hours: 2

## **COMM 320 Introduction to Popular Culture**

Teaches students about the history, evolution, current trends and practices in United States popular culture. The course emphasizes readings and research that deal with the definition of popular culture, genres of popular culture,

history of the discipline of popular culture, as well as the topics of race, gender, body images, celebrities, sports, rituals, formulas, stereotypes, and the myths and beliefs associated with popular culture in the United States.

Credit Hours: 3

## **COMM 335 Small Group Communication**

Examines the principles and forms of small group interaction with emphasis on problem solving and cooperative and reflective thinking.

Credit Hours: 3

## **COMM 340 Gender Communication**

Focuses on gender issues in the field of communication. Specific areas that are studied include the history of men's and women's movements, gender-related theories, and gender differences in various areas, such as nonverbal communication, verbal communication, interpersonal communication, music videos, advertising, film and television.

Credit Hours: 3

## **COMM 345 Interviewing**

Provides instruction and practice in the forms of communication most often utilized in the business and professional world. Emphasis is divided between eliciting and providing information in settings most common to the business and professional world.

Credit Hours: 3

## **COMM 355 Organizational Communication**

Introduces theoretical and practical approaches to communication within an organization. The course emphasizes the history of communicating in business settings and possible choices for approaches to communicating with others in professional venues.

Credit Hours: 3

## **COMM 360 Research Methods**

Develops the research skills necessary to complete the senior communication research project. Open to communication majors and minors in the spring of their first or second year. Prerequisite: COMM 225 or theatre major.

Credit Hours: 3

## **COMM 395 Special Topics in Communication**

Provides the opportunity to study selected areas, such as popular culture and storytelling and communication technologies. Maybe repeated once for credit as content changes.

Credit Hours: 3-6

## **COMM 401 Communication Practicum**

Provide laboratory or workshop experiences in speech communication, telecommunications, or interpretation. Registration is with the department chair at final registration. Restrictions: maximum of two COMM practica hours per year; maximum of four COMM practica hours toward major or minor.

Credit Hours: 1

## **COMM 446 Interpersonal Communication**

Explores the processes of daily interaction dealing with all aspects of strength and weakness in communication situations. Emphasis is on significant relationships with groups, individuals, and self. Students learn to recognize themselves in interpersonal conflict situations and to cope with those problems through class interaction.

Credit Hours: 3

## **COMM 495 Seminar**

Exposes students to an intensive study in a selected area of emphasis. The first four weeks are devoted to the development of a project prospectus. The remainder of the semester is given to independent study under the guidance of an appropriate instructor. Prerequisite: COMM 360.

Credit Hours: 3

## **CPSC 100 Introduction to Computer Science**

Presents an overview of fundamental computer science topics and an introduction to computer programming. Overview topics include an introduction to computer science and its history, computer hardware, operating systems, digitization of data, computer networks, Internet and the Web, security, privacy, AI, and databases. This course also covers variables, operators, while loops, for loops, if statements, top down design (functional decomposition), use of an IDE, debugging, and arrays.

Credit Hours: 3

## **CPSC 111 Computer Science I**

Provides more in-depth programming, including software engineering topics such as unit testing and the use of version control. Basic data structures covered include arrays, lists, sets, maps. Basic algorithm efficiency concepts are covered along with simple searching and sorting. Other techniques such as graphical user interface programming, exceptions, recursion, designing classes (no inheritance), file input/output are covered. Design techniques such as encapsulation and UML diagramming are covered. Prerequisite: CPSC 100.

Credit Hours: 3

## **CPSC 120 Computer Applications**

Consists of a series of projects to explore the use of specific application software packages. Prerequisite: CPSC 100 or equivalent

Credit Hours: 1

## **CPSC 211 Computer Science II**

Provides yet more in-depth programming, including software engineering topics, such as Model-View-Controller design and more formalized unit testing. Additional data structures covered include stacks, queues, priority queues, trees, graphs, and hash tables. Object-oriented programming is introduced, along with associated UML diagramming techniques. Java Generics are covered. Prerequisite: CPSC 111.

Credit Hours: 3

## **CPSC 220 Applied Computer Programming**

Studies with each offering a particular computer programming language (e.g., C++, Python, PHP, COBOL, Java, and Perl) and the applications in which that language is traditionally used. Prerequisite: CPSC 111 or permission of instructor

Credit Hours: 3

## **CPSC 230 Systems Programming**

Provides an understanding of the interface between computer hardware and software. The course covers computer hardware, activation records and address spaces, a practical assembly language (like ARM), writing C programs, how C code is compiled into assembly level programs, and how these programs are compiled, linked, and loaded into memory. This course also provides an understanding of Linux/Unix administration fundamentals, including user creation, permissions, installations from source, and simple server configuration. Prerequisite: CPSC 111

Credit Hours: 3

## **CPSC 320 Algorithm Analysis**

Examines formal concepts of algorithm efficiency including Big O, Theta, and NP theory. Algorithmic techniques studied include brute force, simulation, divide and conquer, dynamic programming, greedy algorithms, backtracking, branch and bound, and parallel algorithms. Time and space efficiency is analyzed from a practical and theoretical viewpoint throughout this course. Advanced searching and sorting techniques are covered. Classic algorithms and their relevance to real problems are examined. Typical data structures used as examples include hash tables, trees, and graphs. Parallel programming is explored. Prerequisites: CPSC 211, MATH 250

Credit Hours: 3

## **CPSC 335 Computer Security**

Covers operating system and network level security topics. Typical application level attacks such as buffer overruns are analyzed and solutions covered. This course includes basic coverage of TCP/IP and cryptography in the context of network security. Typical network attacks such as denial-of-service, spoofing, etc. are covered, as are systems administration level analysis of possible attacks and intrusions via Linux logs. Prerequisite: CPSC 230

Credit Hours: 3

## **CPSC 340 Programming Languages**

Develops the concepts of language structure and uses these as a basis for comparing several languages. Formal language definitions are introduced, and the concepts of syntax, semantics, and pragmatics are discussed. The emphasis is on languages with inherently different programming paradigms than students have been exposed to in other courses. Prerequisite: CPSC 211.

Credit Hours: 3

## **CPSC 345 Mobile Application Development**

Practices the development of mobile applications. Design considerations specific to mobile applications are covered, including limited resources, battery life, intermittent connectivity, etc. Also covered are the networking concepts needed to connect a mobile applications to a web-based server, and to use third party APIs such as Google Maps, location-based programming, etc. Projects are done in the context of one or more popular mobile platforms, such as Android and iOS. Prerequisites: CPSC 230, 365.

Credit Hours: 3

## **CPSC 350 Computer Architecture**

Studies the theoretical and practical design principles of computer organization. The performance effects of pipelining, superscalar design, VLIW, and parallel processing are examined. Prerequisite: CPSC 211.

Credit Hours: 3

## **CPSC 365 Web Applications and Database Management Systems**

Studies and practices the development of dynamic data-driven web applications, in the context of the languages and technologies used in typical shared hosting environments. Topics include database design, including entity-relationship modeling and normalization, designing and implementing data models for a web application, developing the server side code necessary to interact with that data model, developing the web pages for the

application, and an introduction to the use of dynamic scripting on the client side. Web application security is covered throughout. Prerequisite: CPSC 111

Credit Hours: 3

## **CPSC 400 Programming Projects**

Enables students to design, implement, and test a program of their own choosing. Proposed projects are approved by a faculty member who then meets with the student on a weekly basis. A final report is prepared and presented at the completion of the project. The course can be repeated once for credit. Prerequisite: Permission of the instructor.

Credit Hours: 1

## **CPSC 430 3D Game Programming**

Examines the basic issues in 3D rendering and collision detection and associated algorithms, suitable for programming a 3D game engine. Students explore data structures used for 3D games. Basic artificial intelligence techniques used in games are also covered in the context of a 3D game engine. Prerequisites: CPSC 320, MATH 230.

Credit Hours: 3

## **CPSC 450 Operating Systems**

Examines the major operating system concepts in the context of modern operating systems such as UNIX, Linux, and Windows. Topics include process management, synchronization, memory management, file systems, protection and security. Topics are examined from both the operating system and programmer perspectives. In addition, the course discusses more advanced system administration topics. Prerequisites: CPSC 230, 320.

Credit Hours: 3

## **CPSC 455 Software Engineering**

Formalizes the software engineering topics covered in previous courses, in the context of what would be required in a real-world corporate environment. Typical software development methodologies are discussed (e.g. waterfall, agile, test-driven design, etc.). UML Diagramming are covered. Students work in teams, analyze requirements, participate in code reviews, etc. Human Computer Interaction fundamentals are covered, along with ethical and social issues related to the business of computing. The different roles involved with large scale development are discussed. Prerequisite: CPSC 211.

Credit Hours: 3

## **CPSC 480 Computer Networks**

Examines the fundamental aspects of computer networks. Topics include layered network architecture, application level protocols, transport protocols, routing and flow control mechanisms, data link protocols, wireless networks, protocol design, and client-server programming. In addition, this course introduces techniques for designing and building a complex computer network. Prerequisites: CPSC 230, 320.

Credit Hours: 3

## **CPSC 490 Advanced Topics in Computer Science**

Is a study of a specialized topic in the computing field, such as Animation, Pattern Recognition, Networking, Theory of Computation, Alife, or advanced study of a particular language (such as Java, C++, Perl, or VRML). Prerequisite: Permission of the instructor.

Credit Hours: 3

## **CPSC 495 Computer Science Seminar**

Provides a weekly discussion of new advances in the field of computer science and their effects on society. Presentations are given by invited speakers, faculty, and students. The course can be repeated once for credit. Prerequisite: Permission of the instructor.

Credit Hours: 1

## **CVSC 231 Conservation Science Discussion**

Presentation and discussion of important conservation issues in conservation science. Conservation science majors must take this course or 431 at least once. Either course may be repeated for additional credit.

Credit Hours: 1

## **CVSC 331 Conservation Biology**

Provides an in-depth examination of the major issues and challenges that define this exciting new discipline. The course places a great deal of emphasis on exploring the role and limitations of science in addressing contemporary conservation problems. The course design includes lecture, laboratory, and field trips.

Credit Hours: 4

## **CVSC 431 Topics in Conservation Science**

A team-taught seminar course that uses readings from recently published articles and focused discussion to explore important conservation issues. Conservation science majors must take this course or 231 at least once. Either course may be repeated for credit.

Credit Hours: 1

## **CVSC 437 Conservation Science Research Seminar I**

Involves a discussion of a series of scientific papers covering a conservation topic. In addition, students search the biological literature related to the topic, prepare two literature reviews, and submit a scholarly research proposal at the end of the semester. Prerequisite: CVSC 331 or permission of instructor.

Credit Hours: 3

## **CVSC 438 Conservation Science Research Seminar II**

Involves field, laboratory, or library research on a conservation problem. Prerequisite: CVSC 437

Credit Hours: 2

## **CVSC 439 Conservation Science Research Seminar III**

Involves field, laboratory, or library research on a conservation problem. Prerequisite: CVSC 438

Credit Hours: 2

## **CRMJ 101 Introduction to Criminal Justice**

Serves as a broad overview to the criminal justice field by examining such topics as criminal behavior and law enforcement, the court system and judicial processes, and corrections and rehabilitation.

Credit Hours: 3

## **CRMJ 230 American Law Enforcement**

Discusses the philosophy and history of policing, the different types of police agencies, and the framework in which law enforcement agencies must work, as well as the relationship between police agencies and their communities. Prerequisite: CRMJ 101.

Credit Hours: 3

## **CRMJ 240 Introduction to Research Methods**

This course covers the basics of a cross-section of research methods used in Criminal Justice, Political Science, and the other sciences. The research methods covered include a basic quantitative method, a qualitative method, and components of conducting a literature review. Students will learn problem formulation, hypothesis construction, and hypothesis testing. The course emphasizes the consumption of social science research and research methods skill development to be used in upper level Criminal Justice and Political Science courses. Cross listed with POLS 240.

Credit Hours: 3

## **CRMJ 250 American Courts**

Focuses on the legal concepts comprising the foundation of the American criminal court process, state and federal court systems, courts of limited and general jurisdiction, the actors within the court system, and the role of the courts on the other members of the criminal justice system. Prerequisite: CRMJ 101.

Credit Hours: 3

## **CRMJ 270 American Corrections**

Uses a sociological perspective to examine the history, institutions, and practice of American corrections; specifically, issues of incarceration, probation, prisoner release, and criminal justice are covered. Prerequisite: CRMJ 101. Cross listed as SOCI 270.

Credit Hours: 3

## **CRMJ 331 Criminal Investigation**

Focuses on the methods of crime scene searches and documentation; physical evidence collection and preservation; information gathering; interviews and interrogations and case preparation. Prerequisites: CRMJ 101 and 230.

Credit Hours: 3

## **CRMJ 340 Organized Crime**

Focuses on illegal organizations (e.g., the Mafia), whose formally organized activities are used to gather money through criminal enterprises and how they impact American society, including the social and economic effect on society, along with law enforcement efforts to minimize that impact.

Credit Hours: 3

## **CRMJ 342 Criminology**

Examines various theories of crime causation, their history and development, and related crime control policies and practices. It also addresses the extent of crime in society, types of crime, and crime measurement issues. Emphasis is on the social context of crime and supportive evidence of various theoretical perspectives. Prerequisite: CRMJ 101.

Credit Hours: 3

## **CRMJ 344 Criminal Procedure and Law**

Involves the convergence of law enforcement, courts, legislation, and the Constitution. Students study constitutional rights of individuals and limitations on police authority as interpreted by the courts. Additionally, students study crime definitions and elements of crime as written by legislatures and interpreted by courts. Substantive law of Ohio is emphasized. Cross-listed as POLS-313

Credit Hours: 3

## **CRMJ 350 Trial Evidence and Techniques**

Examines the nature, use, and admissibility of evidence against the accused in a criminal trial. Students study the Federal Rules of Evidence, including relevance, hearsay, opinion testimony, lay and expert witnesses and authentication, and apply their knowledge through the completion of a mock trial. Prerequisite: CRMJ 250.

Credit Hours: 3

## **CRMJ 360 White-Collar Crime**

Examines the many varieties, definitions, measurements, and classifications of white collar crimes, the damages to individuals and society, and the responses of the criminal justice system, administrative agencies, and criminologists. Students explore crimes against consumers, unsafe products, environmental, medical and computer crime, fraud, and crimes by the government.

Credit Hours: 3

## **CRMJ 372 Juvenile Justice**

Examines the juvenile justice system, including differences between the adult justice system based on values, court decisions and laws. The concepts of delinquency and delinquency control are discussed, as well as the roles of law enforcement, courts, and corrections in the juvenile justice system.

Credit Hours: 3

## **CRMJ 373 Community Corrections and Intermediate Sanctions**

Examines the policies, procedures, practices, and personnel involved in community-based corrections. Alternatives to incarceration are emphasized in their historical, philosophical, social, and legal contexts. Students discuss current issues and trends in this growing area of the criminal justice system. Prerequisite: CRMJ 101.

Credit Hours: 3

## **CRMJ 375 Death Penalty**

Examines legal, empirical, and policy issues related to capital punishment. The course uses judicial decisions, social science research, and case studies to explore historical, philosophical, moral, procedural, and political aspects of capital punishment.

Credit Hours: 3

## **CRMJ 376 Child Maltreatment**

Examines the typologies and complexities of child maltreatment. Students investigate the development of the modern child welfare system as well as risk factors for and consequences of child maltreatment. Different forms of child maltreatment – including physical abuse, neglect, sexual abuse, fetal abuse, and Munchausen by Proxy Syndrome – are examined. Students explore mandated reporting requirements, investigating maltreatment reports, court proceedings, and forensic interviewing of children.

Credit Hours: 3

## **CRMJ 390 Topics in Criminal Justice**

Provides students with a semester-long intensive study of a topic in criminal justice under the supervision of department faculty.

Credit Hours: 3

## **CRMJ 490 Senior Seminar**

Students in this team-taught course complete a mini-research project (individual or team-based depending on the type of research being conducted) for each of the four interrelated topics, and practice multiple ways of conducting research and answering questions. The unifying theme is the integration of knowledge. Students approach problems from different disciplinary perspectives, solve them in differentiated ways, and demonstrate how the knowledge they have gained in their major courses can be applied in multiple and diverse settings. Prerequisite: CRMJ 240 or POLS 240

Credit Hours: 3

## **CRMJ 491 Student/Faculty Collaborative Research in Criminal Justice**

Students work directly with a faculty member on a professional project that will result in a product that engages with the professional community. The final project/paper will list both the faculty member and the student(s) as co-authors. Prerequisite: Instructor permission only.

Credit Hours: 3

## **DMD 101 Digital Media Design Practicum**

Provides laboratory or workshop experiences in digital media design. Restrictions: maximum of two DMD practica hours per year. Does not count toward the requirement of the DMD major.

Credit Hours: 1

## **DMD 201 Digital Media Design Practicum**

Provides laboratory or workshop experiences in digital media design. Restrictions: maximum of two DMD practica hours per year. Does not count toward the requirement of the DMD major.

Credit Hours: 1

## **DMD 301 Digital Media Design Practicum**

Provides laboratory or workshop experiences in digital media design. Restrictions: maximum of two DMD practica hours per year. Does not count toward the requirement of the DMD major.

Credit Hours: 1

## **DMD 395 Topics in Digital Media Design**

Provides the opportunity for upper level students to study advanced areas in digital media not offered as formal courses. Such topics could include, but are not limited to, dynamic website design, web 2.0 applications, and game design.

Credit Hours: 3

## **DMD 398 Directed Design Project**

Gives students the opportunity to propose, plan and execute a client-based project in design. Projects can include, but are not limited to, graphic and logo design, website design and implementation, or interactive applications. The classroom component covers workplace communication, negotiation of expectations and deadlines, and evaluation of outcomes. The workplace component includes client meetings and in-studio work hours. Prerequisites: MEDIA 300, ART 170, or permission of the instructor.

Credit Hours: 3

## **DMD 399 Internship**

Involves a supervised experience in the student's major. The program is closely supervised by faculty members and an on-site director. Credit in 399 counts as 3 of the 16 internship hours which may be applied to graduation requirements. Graded S/U. Prerequisite: Junior standing, 2.5 GPA and instructor permission. Cross listed as JOURN 399, MEDIA 399, PBRL 399.

Credit Hours: 3

## **DMD 400 Principles of Interactive Design**

Provides a survey of research literature surrounding the emergent concept of interactivity in mediated environments. Students develop awareness of the opportunities and complexities that interactive potential can add to traditional media designs. Emphasis is placed on identifying and meeting the needs of the end-user when developing interactive experiences. Students have the opportunity to use multimedia software applications to present their designs. Prerequisite: MEDIA 300.

Credit Hours: 3

## **DMD 401 Digital Media Design Practicum**

Provides laboratory or workshop experiences in digital media design. Restrictions: maximum of two DMD practica hours per year. Does not count toward the requirement of the DMD major.

Credit Hours: 1

## **DMD 495 Seminar**

Exposes students to an intensive study in a selected area of emphasis. The first four weeks are devoted to the development of a project prospectus. The remainder of the semester is given to independent study under the guidance of an appropriate instructor. Prerequisite: DMD 400.

Credit Hours: 3

## **ECON 215 Principles of Microeconomics**

Concentrates attention on the determination of prices for goods and factors of production.

Credit Hours: 3

## **ECON 216 Principles of Macroeconomics**

Presents a general description of the American economy and the theory of income determination and income fluctuations. Prerequisite: ECON 215.

Credit Hours: 3

## **ECON 311 Money and Banking**

Examines the role of money in the economy, the instruments of monetary and fiscal policy, and the techniques of commercial banking, the Federal Reserve System, interest rates and institutions affecting the money market. Prerequisite: ECON 215, 216.

Credit Hours: 3

## **ECON 314 Public Finance**

Surveys government income, expenditures, and transfer payments at the local, state, and national levels. Particular attention is given to fiscal policy, problems of taxation and incentives, and principles of debt management. Prerequisite: ECON 215, 216 or permission of instructor.

Credit Hours: 3

## **ECON 333 Intermediate Microeconomic Theory**

Develops the methodology of economics and uses this to provide explanations about pricing of commodities and employment of factor services under conditions of full employment. Prerequisite: ECON 215, 216.

Credit Hours: 3

## **ECON 334 Intermediate Macroeconomic Theory**

Examines the relationships among the aggregate markets for commodities, money, bonds, and labor. Emphasis is placed on analytical explanations for the determination of national income, output, employment, interest rates, and the price level. Prerequisite: ECON 215, 216.

Credit Hours: 3

## **ECON 361 International Trade**

Examines the reasons for and gains from trade among nations, as well as the impact of trade restrictions. Prerequisite: ECON 215, 216, or permission of instructor.

Credit Hours: 3

## **ECON 362 International Finance**

Examines monetary exchange rates, the balance of payments, capital flows, and the impact of international activity on domestic economies. Prerequisite: ECON 215, 216, or permission of instructor.

Credit Hours: 3

## **ECON 411 Topics in Economics**

Provides the advanced student an opportunity to study selected topics in economic theory. The course may be repeated as the subject matter changes. Prerequisite: ECON 215, 216.

Credit Hours: 3

## **ECON 423 Contemporary Issues**

Covers current issues in macroeconomic or microeconomic policy, with emphasis changing with each offering. Students are given the opportunity to explore applications of basic economic theory and models to help understand such issues as monetary policy, the role of the Federal Reserve, tax policy, unemployment, social security, and Medicare reform. A specific list of subjects to be covered will be made available with each course listing. Prerequisites: ECON 215, 216.

Credit Hours: 3

## **ECON 425 Econometrics**

Involves the empirical testing of economic hypotheses using, primarily, linear regression. The results can be used to determine how closely theory corresponds to observed behavior, to investigate which theories best explain behavior and to forecast what future conditions may produce. This course is designed to introduce students to basic econometric techniques. Possible remedies to the most frequently encountered problems are also discussed. Prerequisite: A minimum grade of C in BUSI 325.

Credit Hours: 3

## **ECON 435 Government and Business**

Considers the role of government in the American economy and examines contemporary governmental policies toward the private sector of the economy from both a legal and an economic viewpoint. The main topics are the

enforcement of anti-trust in the unregulated sector and the improved regulation of industries subject to government controls. Prerequisite: ECON 215, 216, or permission of instructor.

Credit Hours: 3

## **ECON 495 Seminar**

Enables the student to pursue an approved research project in economic theory. Prerequisite: ECON 333.

Credit Hours: 3

## **EDUC 110 Introduction to Education**

This course studies the purposes and practices of education, helping students determine whether they wish to become professional teachers. Topics include history of education, careers in education, motivation and discipline, analysis of teacher behavior, organization and goals of schools, the teacher, and the law.

Credit Hours: 1

## **EDUC 112 Educational Implications of Diversity**

Presents a picture of the increasing diversity found within educational institutions and the implications it has for educators in developing both policy and practice. Prerequisite or co-requisite: EDUC 110, or child and family studies major. Required field experience: 12 hours of observation and 10 hours of tutoring.

Credit Hours: 3

## **EDUC 211 Individual Topics**

Is a supervised clinical field, research, or independent study in education under the direction of a faculty member. It is designed to enable students to have learning experiences that extend beyond required coursework. The course requires periodic meetings with the course instructor, the writing of a journal, and a final written report, in addition to 30-35 hours of field or clinical work for each credit hour. Prerequisite: EDUC 110, 112.

Credit Hours: 1-3

## **EDUC 215 Educational Psychology**

This course is the study of how individuals learn by drawing on and combining various psychological theories and principles to improve teaching and learning. This course will examine the scientific study of human learning from both the cognitive and behavioral perspectives. It promotes the understanding of individual differences, intelligence, development, affect, motivation, self-regulation and self-concept. Educational psychology helps future teachers create a positive socio-emotional climate for effective learning.

Credit Hours: 3

## **EDUC 220 Mathematics Content for Early Childhood and Intervention Specialist Teachers**

Develops knowledge and skills in number sense, measurement, data, statistics, probability, algebra, and geometry concepts that relate to the K-12 Ohio Learning Standards in mathematics.

Credit Hours: 3

## **EDUC 309 Early Childhood Education and Curriculum**

Provides students with the historical, philosophical, psychological, and social foundations of early childhood education. It also provides the curricular and instructional framework for providing meaningful, developmentally appropriate learning experiences, and accommodations for diverse populations of children in grades PreK to 5.

This course includes direct interaction with both typically and atypically developing preschoolers. Prerequisite: Admission to the teacher education program. Required field hours: 10. Prerequisite or co-requisite: PSYC 205, 220.

Credit Hours: 3

## **EDUC 311 Individual Topics**

Is a supervised clinical field, research, or independent study in education under the direction of a faculty member. It is designed to enable students to have learning experiences that extend beyond required coursework. The course requires periodic meetings with the course instructor, the writing of a journal, and a final written report, in addition to 30-35 hours of field or clinical work for each credit hour. Prerequisite: EDUC 110, 112 and admission to the teacher education program.

Credit Hours: 1-3

## **EDUC 312 Developmentally Responsive Middle Schools**

Provides comprehensive understanding of the nature and needs of early adolescents in grades 4-9 with an emphasis on applying this knowledge to the classroom and the total school environment. The course focuses on characteristics of developmentally responsive schools for young adolescents, as well as the rationale that supports such characteristics. Topics include interdisciplinary teaming, teacher guidance programs, grouping and scheduling concerns, curriculum, pedagogy assessment strategies for culturally and developmentally diverse students, and the application of educational technology. Required field hours: 20 Prerequisite: Admission to the teacher education program.

Credit Hours: 3

## **EDUC 313 Curriculum and Instruction for the Adolescent**

Provides a foundation in curriculum and instruction for adolescent and young adults with emphasis on motivation, instructional planning, classroom structure, management, discipline, models of teaching, assessment, and learning styles. Required field hours: 20. Prerequisite: Admission to the teacher education program.

Credit Hours: 3

## **EDUC 314 Multi-Age Curriculum and Instruction**

Provides a foundation in curriculum and instruction for teachers of multi-age subject areas, i.e., foreign language, music, physical education and visual arts. Required field hours: 30. Prerequisite: Admission to the teacher education program.

Credit Hours: 3

## **EDUC 315 The Arts in Early Childhood**

Is designed to provide the knowledge, skills, and dispositions required to effectively integrate art, music, movement, and theater into developmentally appropriate curriculum and instruction for young children. The course balances theory and practice, presenting the arts both as a means of enhancing the development of young children, and as the promotion of creativity and exploration. Prerequisite EDUC 309.

Credit Hours: 3

## **EDUC 316 Children's Literature**

Involves the study of classic and contemporary children's literature in a variety of genres. Emphasis is placed on the selection and use of high-quality and developmentally-appropriate materials to support the reading process. Prerequisite: Admission to the teacher education program.

Credit Hours: 3

## **EDUC 330 Serving Individuals with Exceptionalities**

Investigates the nature and needs of individuals with exceptionalities across the lifespan, the etiologies of different exceptionalities, the identification process, and the continuum of placement and service alternatives. An emphasis is placed on the need of the intervention specialist to collaborate with other professionals to develop individualized education programs that enable learners to be successful in their least restrictive environments and to access services needed for learner independence. Ten hours of clinical experiences with individuals with different exceptionalities are required. Prerequisite: EDUC 110 and admission to the teacher education program.

Credit Hours: 3

## **EDUC 334 Family-Centered Practices**

Develops the knowledge and skills needed to provide appropriate educational opportunities for children in the context of family, community, and social service structures. This course emphasizes the development of communication and collaboration skills needed to interact effectively with parents, family services, and community agencies and to provide transition services across age levels. Technologies designed to promote successful communication are utilized. Also included are direct interactions with students with disabilities and their families as well as with community agencies and school-based programs serving students grades PreK to 5 through specific field experiences. Required field experience: 20 hours. Prerequisite: EDUC 309, 330, or Child and Family Studies major.

Credit Hours: 3

## **EDUC 335 Educational Technology**

Develops knowledge and skills to integrate technology effectively into the classroom to support teachers in instruction, delivery, assessment, intervention and adaptation. This course is based on the National Education Technology Standards and the Ohio Technology Academic Content Standards. Prerequisite: EDUC 110 and admission to the teacher education program.

Credit Hours: 3

## **EDUC 340 Nature and Needs of Students with Disabilities**

Provides an in-depth examination of the state and federal legislation, policies, and procedures that define the field of special education. The learning, emotional, behavioral, adaptive, and medical characteristics and needs of students with disabilities and dual exceptionalities are explored in detail. Learner strengths and challenges are addressed from a variety of perspectives, with emphasis placed on assistive technology, English language learning, access to the general curriculum, life-long learning, and personal advocacy. Required field experience: 20 hours. Prerequisite: EDUC 330.

Credit Hours: 3

## **EDUC 341 Assessment in Education**

Explores the variety of roles that assessment plays in P-12 education. The course includes basic assessment principles, response to intervention (RTI), quantitative data analysis, the assessment teaching cycle, formative and summative assessment. Value-added dimensions of assessment are presented and related to candidates' licensure areas and the Ohio Teacher Education System (OTES). Also addressed are aspects of assessment related to providing inclusive services to students with exceptionalities, including making accommodations and modifications and using relevant assistive technology. Required field experience: 20 hours. Prerequisite: Admission to the teacher education program. Prerequisite or Co-requisite: EDUC 330

Credit Hours: 3

## **EDUC 362 Integrating Language Arts and Social Studies in Early Childhood**

Develops the knowledge and skills necessary to provide effective instruction based on Ohio's Learning Standards in language arts and social studies to diverse populations of children in grades PreK to 5 in inclusive settings.

Required field experience: 10 hours. Prerequisite: Admission to the teacher education program and EDUC 309 or EDUC 314 for special education programs.

Credit Hours: 3

## **EDUC 366 Mathematics in Early Childhood Education**

Develops the knowledge and skills necessary to provide developmentally appropriate and effective instruction based on the Ohio's Learning Standards in math to diverse populations of children in grades PreK to 5 in inclusive settings. Required field experience: 10 hours. Prerequisites: Admission to the teacher education program and EDUC 309 or 314 for special education majors.

Credit Hours: 3

## **EDUC 367 Science in Early Childhood Education**

Develops the knowledge and skills necessary to provide developmentally appropriate and effective instruction based on the Ohio Academic Content Standards in science to diverse populations of young children in inclusive settings. Required field experience: 10 hours. Prerequisite: Admission to the teacher education program and EDUC 309 (or 309 or 312 or 313 or 314 for special education majors).

Credit Hours: 3

## **EDUC 367 Science in Early Childhood**

Develops the knowledge and skills necessary to provide developmentally appropriate and effective instruction based on the Ohio Academic Content Standards in science to diverse populations of children in grades PreK to 5 in inclusive settings. Required field experience: 10 hours. Prerequisite: Admission to the teacher education program and EDUC 309 or 314 for special education majors.

Credit Hours: 3

## **EDUC 368 Integrated Sciences for Early Childhood Instruction Grades 4-5**

The purpose of this course is to prepare individuals with the knowledge and skill to be able to effectively instruct science in grades 4-5. Teacher candidates will be able to tailor science instruction for learners with disabilities, English language learners and gifted students. Required field experience: 20 hours Prerequisites: EDUC 367.

Credit Hours: 3

## **EDUC 370 Phonics and the Process of Reading**

Develops linguistic and cognitive foundations for reading in an integrated language arts context. Emphasis is on the knowledge base of reading and on an introduction to comprehension strategies, the writing process, curriculum development, assistive technology, and assessment and diagnosis of reading difficulties. Additional emphasis is placed on phonics, phonemic awareness, and word recognition in an integrated language arts context. The course fulfills the state requirement in phonics for Early Childhood Education and Middle Childhood Education majors. Prerequisite: Admission to the teacher education program.

Credit Hours: 3

## **EDUC 371 Emergent and Beginning Reading**

Focuses on the research, methods, and materials used in developmentally appropriate pre-reading and reading instruction for diverse emergent and beginning readers. Required field experience: 20 hours. Prerequisite: EDUC 370.

Credit Hours: 3

## **EDUC 372 Reading Methods for Middle Childhood**

Focuses on the research, methods, and materials appropriate for teaching reading to diverse learners in grades 4-9. Emphasis is on integrated curriculum strategies including knowledge, selection, and use of high quality children's literature. Includes use of phonics and word study instruction as appropriate for the young adolescent reader, as well as study of the nature of the English language. Required field experience: 20 hours. Prerequisite: EDUC 370.

Credit Hours: 3

## **EDUC 375 Professional Practices in Mathematics**

Focuses on participation in professional mathematics organizations, the use of technology in the mathematics classroom, mathematics education research including best practices, and Euclidean geometry. Prerequisite: Admission to the teacher education program.

Credit Hours: 3

## **EDUC 382 Social Studies Methods for Middle Childhood Educators**

Develops knowledge and skills necessary to provide instruction based on national social studies standards and state curriculum models for students in grades 4-9, with an emphasis on the use of a variety of instructional approaches for culturally and developmentally diverse classrooms. The course prepares students to utilize approaches to teaching and learning which integrate content relevant to students' lives, honor individual differences, and teach basic skills of inquiry and communication, including the application of educational technology. Required field experience: 20 hours. Prerequisite: EDUC 309 or 312 (or 313 or 314 for special education majors).

Credit Hours: 3

## **EDUC 383 Language Arts Methods for Middle Childhood Educators**

Develops knowledge and skills necessary to provide instruction based on national language arts standards and state curriculum models for students in grades 4-9 with an emphasis on use of a variety of instructional approaches appropriate for culturally, linguistically, and developmentally diverse classrooms. The course prepares students to utilize approaches to teaching and learning which integrate reading, speech, writing, and literature with the broader curriculum, develop literacy skills relevant to students' lives, honor individual differences, and teach basic skills of communication, including the application of education technology. Required field experience: 20 hours. Prerequisite: EDUC 312 (or 309 or 313 or 314 for special education majors).

Credit Hours: 3

## **EDUC 384 Science Methods for Middle Childhood Educators**

Provides knowledge and skills necessary to provide science instruction consistent with national and state curriculum models for students in grades 4-9 with an emphasis on the use of a variety of instructional approaches appropriate for culturally and developmentally diverse classrooms. The course prepares students to utilize approaches to teaching and learning which integrate content relevant to student's lives, honor individual differences, and teach basic skills of inquiry and communication, including the application of educational technology. Required field experience: 20 hours. Prerequisite: EDUC 312 (or 309 or 313 or 314 for special education majors) .

Credit Hours: 3

## **EDUC 385 Math Methods for Middle Childhood Educators**

Provides knowledge and skills necessary to provide math instruction consistent with national and state math curriculum models to students in grades 4-9 with an emphasis on the use of a variety of instruction approaches appropriate for culturally and developmentally diverse classrooms. The course prepares students to utilize approaches to teaching and learning which integrate content relevant to students' lives, honor individual differences, cultivate skills in recognizing and solving problems and provide awareness of relevant teaching tools, including manipulative materials and educational technology. Required field experience: 20 hours. Prerequisite: EDUC 312; (309 or 312 or 313 or 314 for special education majors).

Credit Hours: 3

## **EDUC 391 Integrated Language Arts Methods for the Adolescent**

Focuses on special methods of teaching language arts in grades 7-12 with emphasis on integrated and interdisciplinary instruction, adaptations for learners with special needs, content specific reading strategies and applications of educational technology, and the Ohio Academic Content Standards. Required field experience: 20 hours. Prerequisite: EDUC 313.

Credit Hours: 3

## **EDUC 392 Integrated Math Methods for the Adolescent**

Focuses on special methods for teaching mathematics in grades 7-12 with emphasis on integrated and interdisciplinary instruction, adaptations for learners with special needs, content specific reading strategies and applications of educational technology, and the Ohio Academic Content Standards. Required field experience: 20 hours. Prerequisite: EDUC 313.

Credit Hours: 3

## **EDUC 394 Integrated Science Methods for the Adolescent**

Focuses on special methods of teaching science in grades 7-12 with emphasis on integrated and interdisciplinary instruction, adaptations for learners with special needs, content specific reading strategies and applications of educational technology, and the Ohio Academic Content Standards. Required field experience: 20 hours. Prerequisite: EDUC 313.

Credit Hours: 3

## **EDUC 395 Integrated Social Studies Methods for the Adolescent**

Focuses on special methods of teaching social studies in grades 7-12 with emphasis on integrated and interdisciplinary instruction, adaptations for learners with special needs, content specific reading strategies and applications of educational technology, and the Ohio Academic Content Standards. Required field experience: 20 hours. Prerequisite: EDUC 313.

Credit Hours: 3

## **EDUC 412 Reading and Writing for Information**

Develops strategies, techniques and skills for strengthening the reading and writing skills of diverse learners in grades PreK to 5 considering various content areas. Includes applications of educational technology. Required field experience: 10 hours. Prerequisite EDUC 371

Credit Hours: 3

## **EDUC 413 Reading in the Content Areas**

Develops strategies, techniques, and skills for strengthening the reading skills of diverse learners in the content areas in the middle school and high school. Includes applications of educational technology. Required field experience: 10 hours. Prerequisite: EDUC 309 or 312 or 313 or 314.

Credit Hours: 3

## **EDUC 414 Reading Assessment and Intervention**

Examines research-based principles, techniques, and materials used in the assessment of reading skills and in the diagnosis of reading difficulties and intervention strategies for addressing them. Addresses cultural and linguistic differences in the assessment phases. Includes applications of educational technology. Required field experience: 10 hours. Prerequisite: EDUC 371 or 372.

Credit Hours: 3

## **EDUC 418 Professional Practices for Early Childhood**

Taken as part of the professional semester, provides candidates with additional opportunities to develop the knowledge, skills, and dispositions necessary for providing effective instruction in inclusive settings with diverse populations of young children. Emphasis is placed on transitioning into PreK to grade 5 school settings as entry year/resident educators. The culminating activity is a formal exit interview during which the candidate shares his/her portfolio.

Credit Hours: 2

## **EDUC 419 Co-teaching and Collaboration in Education**

Taken as part of the professional semester, develops the knowledge and skills needed to communicate and collaborate effectively with colleagues, students' families, and the broader community.

Credit Hours: 2

## **EDUC 420 Proactive Approaches to Classroom Management and Support**

Taken as part of the professional semester, addresses the knowledge and skills needed to establish a safe, positive and supportive environment for all children. Emphasis is placed on developing specific strategies for providing school-wide and targeted behavioral support to students, as well as preparing and organizing resources and maximizing the use of instructional time.

Credit Hours: 2

## **EDUC 432 Student Teaching in Special Education**

Is a 14-week supervised experience in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on student performance in settings that provide services for students identified with mild to moderate disabilities. Part of the professional semester.

Credit Hours: 9

## **EDUC 434 Instructional Services for Children with Mild/Moderate Special Needs**

Focuses on the selection and implementation of instructional strategies for students with disabilities who need targeted and/or intensive services. Emphasis is placed on skill development in selected intensive instructional approaches in reading, mathematics, and written expression. Required field experience: 15 hours. Prerequisite: EDUC 340.

Credit Hours: 3

## **EDUC 449 Student Teaching in Early Childhood**

Provides a 14 week supervised experience in planning instruction taken as part of professional clinical practice (student teaching) semester, creating an environment for student learning, teaching for student learning, and reflecting on student performance completed in an early childhood setting, PreK to 5.

Credit Hours: 9

## **EDUC 450 Middle Level Student Teaching**

Is a 14-week supervised experience in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on student performance completed in a middle level setting, grades 4

through 9. Part of the professional semester.

Credit Hours: 9

## **EDUC 451 Student Teaching in the Secondary School**

Is a 14-week supervised experience in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on student performance completed in a secondary setting, grades 7 through 12. Part of the professional semester.

Credit Hours: 9

## **EDUC 455 Student Teaching in Early/Middle Level Physical and/or Health Education**

Is a supervised experience under the guidance of a cooperating teacher and university faculty member in a minimum of six weeks clinical placement involved in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on students' performance completed in a primary or middle school physical education and/or health setting, grades K-3 or grades 4-9. Part of the professional semester.

Credit Hours: 5

## **EDUC 457 Student Teaching in Secondary Level Physical and/or Health Education**

Is a supervised experience under the guidance of a cooperating teacher and Muskingum faculty member in a minimum of six weeks clinical placement involved in planning for instruction, creating an environment for student learning, teaching for student learning, and reflecting on students' performance completed in a secondary school physical education and/or health setting, grades 9-12. Part of the professional semester.

Credit Hours: 5

## **EDUC 461 Student Teaching Seminar**

Is an opportunity for student teachers to synthesize the teacher education knowledge base and practice teaching experience through large and small group interaction with a focus on linking theory to practice in their student teaching placements. Part of the professional semester.

Credit Hours: 1

## **EDUC 465 Professional Practices in Middle Level Education**

Taken as part of the professional semester, provides candidates with additional opportunities to develop the knowledge, skills, and dispositions necessary for providing effective instruction in inclusive settings with diverse populations of middle level learners. Emphasis is placed on transitioning into grades 4-9 school settings as entry year/resident educators. The culminating activity is a formal exit interview during which the candidate shares his/her professional portfolio.

Credit Hours: 2

## **EDUC 466 Professional Practices in Secondary Schools**

Taken as part of the professional semester, provides candidates with additional opportunities to develop the knowledge, skills, and dispositions necessary for providing effective instruction in inclusive settings with diverse populations of secondary school learners. Emphasis is placed on transitioning into grades 7-12 school settings as entry year/resident educators. The culminating activity is a formal exit interview during which the candidate shares his/her professional portfolio.

Credit Hours: 2

## **EDUC 468 Professional Practices in Special Education**

Taken as part of the professional semester, provides candidates with additional opportunities to develop the knowledge, skills, and dispositions necessary for providing effective instruction to students with disabilities in their least restrictive environment, with a particular focus on intensive behavioral support and transition planning. Emphasis is placed on transitioning into K-12 school settings as entry year intervention specialists/resident educators. The culminating activity is a formal exit interview during which the candidate shares his/her professional portfolio.

Credit Hours: 2

## **EDUC 623 Clinical Practice in Early Childhood Education (MAP)**

Provides a guided teaching experience with children in grades pre-kindergarten–3 under the supervision of a qualified cooperating teacher and a University supervisor. It requires a minimum of 360 hours of full-day practice teaching, with those hours divided between two settings: pre-kindergarten/kindergarten and grades 1–3. In instances where the student is already in a position that is consistent with the requirements of the clinical practice placement, appropriate components of the course may be completed in that placement if a cooperating teacher who meets that building’s mentor criteria can be assigned to the individual. Permission of Program Director required.

Credit Hours: 8

## **EDUC 626 Clinical Practice for Intervention Specialist (MAP)**

Provides a guided teaching experience with children with identified mild to moderate disabilities in grades kindergarten–12 under the supervision of a qualified cooperating teacher and a University supervisor. It requires a minimum of 360 hours of full-day practice teaching in one or more service settings, including at least 120 hours of instruction in a resource or self-contained classroom. In instances where the student is already in a position that is consistent with the requirements of the clinical practice placement, appropriate components of the course may be completed in that placement if a cooperating teacher who meets that building’s mentor criteria can be assigned to the individual. Permission of Program Director required.

Credit Hours: 8

## **EDUC 627 Clinical Practice & Professional Portfolio Development Seminar (MAP)**

Provides an opportunity for students in their respective clinical practice experiences to synthesize what they have learned and experienced through large and small group interactions with a focus on linking research and theory to practice in their classrooms. Focuses on personal reflection on participant’s paths into the teaching profession and provides opportunities to collaborate with other future and current educators. Students also complete their professional portfolios. Permission of Program Director required.

Credit Hours: 3

## **ENGL 110 Fundamental English**

Offers a study of grammar, punctuation, mechanics, and usage. Writing from the sentence to the paragraph level and short essays. Does not count in the major, minor, education concentration, or gen ed. Prerequisite: Placement or permission of instructor.

Credit Hours: 3

## **ENGL 121 Composition**

Requires students to write between five and six thousand words, applying rhetorical principles of literate discourse—principles as demonstrated in samples of effective writing by writers of diverse backgrounds. Includes grammar, levels of usage, the purposes of language, writing for different purposes, and audiences. Does not satisfy hours for the major or minor. Prerequisite: Placement or completion of ENGL 110. ENGL 121 is a prerequisite for all ENGL courses except 110.

Credit Hours: 3

## **ENGL 123 Introduction to Literature**

Explores common topics and themes as expressed in various literary genres. Students read, respond to, and analyze works of literature, and learn how to find connections between literature, our culture, ourselves, and the human condition. Emphasis is on the western tradition of literature. Either ENGL 123 or 124 may be used to count toward the English major/minor, but not both. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 124 World Literature**

Explores common topics and themes as expressed in notable works of literature from around the world. Students read, respond to, and analyze works of literature, and learn how to find connections between literature, various cultures, ourselves, and the human condition. Emphasis is on the non-western tradition of literature. Either ENGL 123 or 124 may be used to count toward the English major/minor, but not both. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 201 Advanced Writing**

Includes study and practice in the methods of organization and use of evidence to help students write more effectively and persuasively. Students read essays by writers of diverse backgrounds and learn to write for different purposes and audiences. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 202 Business Writing**

Concentrates on clarity and orderliness in preparing business correspondence, studies, reports, and proposals. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 207 Print Writing and Reporting**

Provides an introduction to the principles and concepts of writing and reporting for print media and the web. It involves reporting, interviewing, doing background research, writing, and analyzing news stories, and introduces students to journalistic ethics and codes of conduct. Cross listed as JOURN 207. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 231 British Literature to 1800**

Studies the major literary movements and figures of British culture from Anglo-Saxon writings through the Neo-Classical Period. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 232 British Literature after 1800**

Examines the development of poetry and prose in Britain from the Romantic writers to the present. The political and intellectual contexts, as well as the subjects and styles of selected authors of both genders, are studied. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 233 American Literature to 1865**

Surveys American literature from the Colonial Era through the age of Romanticism. Genres include essays, Native American legends, captivity narratives, slave narratives, short fiction, the novel and lyric poetry. Intellectual and historical contexts, as well as key authors, are covered. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 234 American Literature after 1865**

Surveys American literature from the Age of Realism to the present day. Genres include essays, short fiction, drama, poetry, and the novel. Intellectual and historical contexts, as well as key authors, are covered. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 235 African-American Literature**

Examines the major trends in African-American literature, using historical, political, and social contexts. Genres include poetry, fiction, the slave narrative, and drama. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 245 Bible and Literature**

This course explores the interrelationship between the Bible and various selections of literature to provide students ways of understanding how authors were motivated by, reacted to, or otherwise engaged in a dialogue with sacred texts. Furthermore, students can investigate ways in which these works, inspired by Biblical readings, intervened in or otherwise inspired individual, interpersonal, social, or political engagements.

Credit Hours: 3

## **ENGL 250 Topics in Literature, Film, and Culture**

Provides for study of a certain topic through works of literature, supplemented by film or other art forms. Possible topics include fantasy literature, science fiction, or something more broad such as war, love, or the family. May be repeated with topic change. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 260 Introduction to Creative Writing**

Explores various genres and helps students to develop their individual perspectives and voices. The course involves writing exercises and prompts, group discussions of creative work, and many opportunities for feedback and revision. Enrollment preference to sophomores and above. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 311 Adolescent and Young Adult Literature**

Is a critical study of literature intended for adolescent and pre-adolescent readers. Themes include coming of age, formation of identity, community and society, the journey, and other common themes in YA literature. Students become familiar with a variety of YA genres, which may include dystopian fiction, sci fi and fantasy literature, contemporary realistic fiction, non-fiction, and multimodal texts. Attention is given to issues of censorship of YA literature and pedagogical resources for the use of YA literature in the classroom and how the identity formation process is affected when adolescents encounter people from different racial, ethnic, cultural, religious, and/or economic backgrounds. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 316 Public Relations Writing**

Is a study of the current methods of writing copy for agencies, corporations, and not-for-profit organizations. Focuses on the writing of press releases, with an analysis of their purpose, value, and content. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 317 Journalistic Ethics**

Studies ethical problems and issues in mass communication with a framework of basic theories and social roles of mass media. Surveys the major ethical issues that concern journalism. Describes ethical dilemmas that confront broadcast and print journalists. Matters of journalistic morality, codes of ethics, codes of conduct, taste, libel, shield laws, and photo guidelines are covered. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 319 Topics in Creative Nonfiction Writing**

Provides students the opportunity to explore the principles and practice of creative nonfiction writing. Topics may include memoir, personal essay, travel, food, humor, science, or others. May be repeated once with topic change. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 320 Principles of Literary Study**

Explores the theoretical principles and the critical viewpoints based on them which underlie the thoughtful, purposeful study of literature and applies these principles to key literary works. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 323 Shakespeare**

Is an intensive study of Shakespeare's writings, including selected sonnets, comedies, histories, tragedies, and romances, with special attention to the major themes and to the Elizabethan and Jacobean contexts of his plays. The course covers the practices and conventions of theatrical performance in Shakespeare's time and his development as a dramatist. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 329 Romantic and Victorian Literature**

Explores the relation of nature to culture in major Romantic and Victorian poetry and representative prose sections, the position of art, and the process of myth and metaphor in nature/culture relations. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 331 History of the British Novel**

Studies the novel as an important literary and social development in Britain and follows some of the important changes in the structure, purpose, and audience of the novel through the eighteenth and nineteenth centuries. (Included: Defoe, Austen, Dickens, Eliot, and Hardy). Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 333 Modern and Contemporary British Fiction**

Examines the directions British fiction has taken in response to a changing social and literary scene: two world wars, the decline of the British Empire, the rise of working class, women, and minority writers. The course considers experimental and traditional writers from Joyce to the present, including Joyce, Woolf, Lawrence, and Forster. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 341 Nineteenth Century American Fiction**

Studies the works of the American romantics, then moves to the realism, regionalism, and naturalism of the later part of the century. Authors studied may include Irving, Hawthorne, Melville, Twain, Chopin, Chesnutt, Crane, and Jewett.

Credit Hours: 3

## **ENGL 343 Modern and Contemporary American Fiction**

Studies the variety and richness of American fiction since the turn of the twentieth century. Topics may include novels of the 1920s, war novels, and the works of women and minority writers.

Credit Hours: 3

## **ENGL 351 Modern and Contemporary American Poetry**

Studies the life of poetry in recent American culture, from the early twentieth century through today. The course attempts to answer the question, "Why does poetry matter?" The emphasis is on close reading along with an exploration of diverse methods of literary criticism, such as historical and biographical. Poets are looked at in context (e.g. the celebrity of Frost and Hughes; the notoriety of Ginsberg; posthumous responses to Plath), and poetic form will be considered as well, from iambic pentameter to spoken word and Slam. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 361 Language: Structure and Usage**

Studies the theoretical views and methodological tools for an accurate understanding of language, its structure, and usage. Emphasis is on the English language, covering topics such as language acquisition and development, the history of the English language, grammar, dialects, sentence analysis and levels of usage. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 385 Topics in Literature**

Provides for study of significant writers, genres, and themes. Possible subjects include Chaucer, Poe, gender and film, postmodernism, as well as other topics devised by faculty or requested by students. May be repeated with topic change. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 386 Topics in Film and Literature**

Explores specific topics in film and literature. Students will view selected films, read selected texts, and apply theoretical approaches, close reading, and film analysis techniques. Topics may include cinematic adaptations of authors (e.g., Shakespeare, Dickens, Austen), genres (e.g., anime, comedy, sci-fi), or themes (e.g., gender in film and literature, dystopias in film and literature, sports in film and literature). May be repeated with topic change. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 387 Topics in Literature and Gender**

Gives students the opportunity to explore literary texts through the lens of gender. Students learn principles of gender theory and analysis, and how to use these principles to understand and interpret texts. Topics may include LGBT literature, women's literature, the literature of masculinity, marriage in the 19th-century novel, sexuality in science fiction, or others according to instructor interest and research area. May be repeated with topic change. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 390 Advanced Creative Writing**

Provides students with practice in a variety of forms, increasing in complexity. Individual style and voice in students' work as well as in contemporary authors are explored. Prerequisite: ENGL 306 or permission of instructor.

Credit Hours: 3

## **ENGL 394 Classical Mythology**

Emphasizes Greek and Roman mythology and its influence on English and American writers. Various examples of Greek and Roman literature are read in translation. Prerequisite: ENGL 121.

Credit Hours: 3

## **ENGL 398 Internship in English**

Designed to offer students supervised English-related work experience. The aim is to allow students to use and develop knowledge of the English language in professional contexts involving editing and publication. The course number sequence allows for internships covering up to two semesters, consecutive or non-consecutive. Up to six hours may count toward the English major or minor. Must be approved and supervised by instructor with relevant content background to the internship. Students must have taken appropriate courses relevant to the internship. Prerequisite: Permission of instructor.

Credit Hours: 1-3

## **ENGL 399 Continuing Internship in English**

Designed to offer students supervised English-related work experience. The aim is to allow students to use and develop knowledge of the English language in professional contexts involving editing and publication. The course number sequence allows for internships covering up to two semesters, consecutive or non-consecutive. Up to six hours may count toward the English major or minor. Must be approved and supervised by instructor with relevant content background to the internship. Students must have taken appropriate courses relevant to the internship. Prerequisite: Permission of instructor.

Credit Hours: 1-3

## **ENGL 495 Seminar**

Is the capstone course for English majors; students share in intensive study of a major literary work and write a paper of suitable length, applying the theoretical principles of literary criticism to that work. Discussions focus on analyzing literature, critical reading, and research methods. Students are expected to make a brief oral presentation at the end of the semester, summarizing their work. Offered each semester on a subject selected by the instructor. Prerequisite or co-requisite: ENGL 320; senior status or permission of department chair.

Credit Hours: 3

## **ESL 101 ESL Listening and Speaking**

Intended for students of a high-intermediate to advanced level of English proficiency, and focuses on English listening and speaking skills needed for academic purposes. Students successfully completing the course will be able to give an oral critical report and illustrate listening comprehension through a variety of exercises. Prerequisite: Permission of instructor. Co-requisite: ESL 102.

Credit Hours: 3

## **ESL 102 ESL Reading and Writing**

Intended for students at high intermediate to advanced level of English proficiency and focuses on reading and writing skills needed for a liberal arts education. Writing assignments are connected to reading materials suitable for a culturally diverse student population, and samples of effective writing are studied with accessibility to culturally diverse students in mind. Students write essays of narration, description, exposition, classification, and argumentation. Prerequisite: Permission of instructor. Co-requisite: ESL 101.

Credit Hours: 3

## **ESL 103 Introduction to American Culture for Non-Native English Speakers**

An opportunity for non-native English speaking students to have an introduction to American Culture. Activities are designed to help students understand life and culture in the United States. Topics addressed include religious life in the United States, the American political system, a glimpse into American history, American values, the American educational system, interpersonal communication with Americans, American art, customs and traditions, and sport and entertainment. Co-requisites: ESL 101, 102.

Credit Hours: 2

## **ESL 104 Academic English for Non-Native English Speakers**

Intended for students at the high-intermediate to advanced level of English proficiency and focuses on helping students achieve the cognitive academic language proficiency (CALP) skills needed to succeed in university-level courses. Through a variety of exercises, students receive focused instruction on academic vocabulary and language skills. Prerequisite: ESL 101, 102; Co-requisite: 251, WRLD 200.

Credit Hours: 3

## **ESL 251 ESL Conversation Table for Non-Native English Speakers**

An opportunity for international students to maintain or improve their English language skills through authentic conversation with native English speakers (who will not be enrolled as students in the class). Activities are designed to help students use the language creatively as well as purposefully.

Credit Hours: 1

## **ESL 351 ESL Conversation Table for Non-Native English Speakers**

A weekly meeting designed to expand vocabulary and increase the speaking of students at the advanced-low to advanced-mid level. Students may take up to three conversation classes (251, 351, or a combination) for credit. Prerequisite: ESL 101, its equivalent or permission of instructor.

Credit Hours: 1

## **EVSC 121 Environmental Issues**

Involves presentation and discussion of selected topics of importance in environmental science. This course permits students to explore this broad field through general readings and discussion.

Credit Hours: 1

## **EVSC 421 Topics in Environmental Science**

Is a seminar course which explores in detail, through reading and discussion recently published reports and topics in the field. Environmental science majors must take the course for at least one credit. May be taken for additional credit. Prerequisite: Environmental science major core completed or consent of major advisor.

Credit Hours: 1

## **EVSC 422 Advanced Internship in Environmental Science**

Requires the successful completion of a minimum of 160 hours during either a semester or a summer as an intern in an environmentally-related situation. Prerequisite: Junior standing, prior approval of internship.

Credit Hours: 4

## **EVSC 428 Environmental Science Senior Research**

Involves laboratory, field and/or library research on a topic related to environmental science. The project will be selected in consultation with a faculty member and will involve a literature search and experimental work. Prerequisite: Environmental science major with senior standing.

Credit Hours: 4

## **FLWS 110 JAG Public Service Fellows Colloquium I**

Examines the foundational ideas, dynamics, and issues related to civic engagement and public service, and facilitates contemplation of a student's roles, responsibilities, and opportunities in civic life. Students engage in University-based as well as off-campus experiential learning, including events and activities facilitated by government and non-profit organizations. The course may be repeated once for academic credit.

Credit Hours: 1

## **FLWS 210 JAG Public Service Fellows Colloquium II**

Examines in depth the civic engagement and public service themes introduced in FLWS 110 and connects them to the importance of building empowerment and efficacy in civic life. Students will interact with civic and community organizations and officials as well as help to develop and carry out civic engagement and public service related events and activities. Students will also engage in leadership and mentoring activities, including service as mentors to first-year fellows. The course may be repeated once for academic credit.

Credit Hours: 1

## **FLWS 310 JAG Fellows High-Impact Experience in Public Service**

This course serves to provide enhanced instruction related to civic and community engagement and public service for students in the John and Annie Glenn Public Service Fellows Program. It is intended to be taken concurrently and in coordination with a high-impact experience approved by the JAG Fellows Program, preferably in the student's junior year. Prerequisite: Acceptance in the John and Annie Glenn Public Service Fellows Program and completion of at least one semester each of FLWS 110 and FLWS 210.

Credit Hours: 1

## **FLWS 410 JAG Public Service Fellows Practicum**

This course involves the collaboration of senior-level students in the John and Annie Glenn Public Service Fellows Program to identify and address a community issue or need. Building upon knowledge and experience gained in the JAG Fellows Program, fellows collectively identify an issue or need; develop an event or program to address it; plan and administer that event or program; and explore ways to make their efforts sustainable once the course has ended. Prerequisite: Acceptance into the John and Annie Glenn Public Service Fellows Program and completion of at least one semester each of FLWS 110 and FLWS 210.

Credit Hours: 2

## **FREN 111 Beginning French I**

Introduces students to the culture and language of the French-speaking world. Students develop an ability to communicate in real-life situations by acquiring reading, writing, listening, and speaking skills. This course is intended for students with no prior knowledge of French, or those who have had two years or less of high school French.

Credit Hours: 3

## **FREN 112 Beginning French II**

Builds on the skills acquired in FREN 111. Students continue to develop an ability to communicate in real-life situations by acquiring additional reading, writing, listening, and speaking skills as well as cultural competency in the French-speaking world. Students meet once a week with a language assistant from France. Prerequisite: FREN 111 or 2-3 years of high school French.

Credit Hours: 4

## **FREN 123 Explorations of Francophone Literature in English Translation**

Is taught entirely in English. The course introduces basic literary concepts and explores themes and movements of French literature from the seventeenth to the twentieth centuries.

Credit Hours: 3

## **FREN 211 Intermediate French I**

Continue the development of interpersonal, interpretive, and presentational skills through a variety of texts (journalistic, short story, poetry, advertising, film, etc.) that reflect the cultural, social, and linguistic diversity of the French-speaking world. Students explore the diversity of practices, products, and perspectives found within contemporary French-speaking societies. Topics may include gender, multiculturalism, ethnicity, family, religion, literature, art, music, gastronomy, education, economics, and politics. Students meet once a week with a language assistant from France. Prerequisite: FREN 112 or its equivalent.

Credit Hours: 4

## **FREN 212 Intermediate French II**

Continue the development of interpersonal, interpretive, and presentational skills through a variety of texts (journalistic, short story, poetry, advertising, film, etc.) that reflect the cultural, social, and linguistic diversity of the French-speaking world. Students explore the diversity of practices, products, and perspectives found within contemporary French-speaking societies. Topics may include gender, multiculturalism, ethnicity, family, religion, literature, art, music, gastronomy, education, economics, and politics. Students meet once a week with a language assistant from French. Prerequisite: FREN 211 or its equivalent.

Credit Hours: 4

## **FREN 240 Business French**

Introduces basic concepts of business communication in the French-speaking world. Topics include finance, economics, marketing, and intercultural awareness. Prerequisite: FREN 212, its equivalent, or permission of instructor.

Credit Hours: 3

## **FREN 251 French Table**

Offers the opportunity to practice conversational French in an informal setting. Activities are designed to encourage students to express themselves creatively in French. The course may be taken up to three times for credit, but applied to the major only twice. Prerequisite: FREN 111 or its equivalent.

Credit Hours: 1

## **FREN 291 Advanced French Table**

A weekly meeting designed to expand vocabulary and increase the speaking proficiency of students at or above the advanced-intermediate level. Maximum number of French Table classes (251, 291, or a combination) that may be taken for credit: three. Maximum number of French Table classes that can be applied to the 33 hours required for

the major: two (can consist of two 251S; two 291S, or one of each). Prerequisite: FREN 212, its equivalent, or permission of instructor.

Credit Hours: 1

## **FREN 301 Advanced French: Conversation and Pronunciation**

Emphasizes listening and speaking skills. Students improve their comprehension and speech through laboratory exercises, class discussions, and other activities. Prerequisite: FREN 212 or its equivalent.

Credit Hours: 3

## **FREN 302 Advanced French: Grammar and Composition**

A writing course that focuses on writing for a number of purposes, including essays, correspondence, narratives, and literary analysis. An overview of French grammar is included. The course may be taken twice for credit. Prerequisite: FREN 212 or its equivalent.

Credit Hours: 3

## **FREN 303 Survey of French Literature**

Introduces major literary movements, principal writers, and outstanding works of French literature in their historical contexts beginning with the sixteenth century. Prerequisite: FREN 302 or permission of instructor.

Credit Hours: 3

## **FREN 304 Survey of French and Francophone Literatures**

Surveys contemporary French-language literatures and their cultural contexts in French-speaking Africa, North America, and the Caribbean as well as in France. Prerequisite: FREN 302 or permission of instructor.

Credit Hours: 3

## **FREN 310 Study Abroad Seminar**

Satisfies the study abroad requirement for the major. Students attend preparatory meetings and participate in assignments designed to maximize the value of the required study abroad experience. Before departure, students engage in readings and discussions. After study abroad, students submit a reflection paper and/or assigned written work related to their formal and informal learning gained during the stay.

Credit Hours: 1

## **FREN 325 Topics in French Civilization**

Explores aspects of French civilization and culture, including history, religion, the arts, politics, and gender. The course may be repeated for credit as the subject matter changes. Prerequisite: FREN 212, its equivalent, or permission of instructor.

Credit Hours: 3

## **FREN 350 Survey of French Cinema in English**

Provides an overview of French and Francophone cinemas starting with the origins of cinematic art. The course examines landmark film classics as well as a selection of contemporary French-language films. The basic vocabulary and concepts of cinematography are taught in order to give students tools for an in-depth analysis of the films.

Credit Hours: 3

## **FREN 360 Topics in French Language and Culture**

Provides an opportunity to study a linguistic, literary, or cultural topic related to the French-speaking world. Courses in topical areas not offered in the regular curriculum may be offered on a rotating basis. The course may be repeated for credit as subject matter changes. Prerequisite: Sophomore standing and permission of instructor.

Credit Hours: 1-3

## **FREN 431 French Culture Seminar**

Provides the advanced student the opportunity for in-depth study of an aspect of French or Francophone culture, which may include: literature, art, cinema, business culture, or another approved topic. The course serves as a capstone for the French major. Prerequisite: Two French courses numbered above 302, at least one of which is taught in French, or permission of instructor.

Credit Hours: 3

## **GEOG 111 World Regional Geography**

Introduces the eight major cultural regions of the earth. The course emphasizes the human adaptation patterns to variations in physical characteristics of the earth's environments. Special attention is given to human activities such as agriculture, population dynamics, resource development, economic systems, and religious expression.

Credit Hours: 3

## **GEOG 120 Physical Geography**

An introduction to the earth's major natural environmental systems, their spatial distribution and interrelationships, including weather and climate, vegetation and ecosystems, soils, landforms, and earth-surface processes.

Credit Hours: 3

## **GEOG 220 Earth's Climate System**

Designed to provide a broad introduction to climatology, the study of the average state of weather on planet Earth. Planetary energy budgets, regional climates, climate change, and past and future climates are emphasized.

Credit Hours: 3

## **GEOG 310 Introduction to Geographic Information Systems**

Focuses on the theory and practical applications of geographic information systems (GIS). Basic concepts along with the following topics – map projections and coordinate systems; vector and raster data; data display; data analysis and modeling – are introduced. 2 hours of lecture and 1 hour of laboratory.

Credit Hours: 3

## **GEOG 321 Weather and Climate**

Introduces meteorology and climatology. The course treats the subjects from both descriptive and theoretical points of view.

Credit Hours: 3

## **GEOG 331 Regional Geography**

Studies the interrelationships among physical, economic, and cultural phenomena within various regions. A) Anglo-American geography, B) European geography, C) Latin American geography.

Credit Hours: 3

## **GEOL 101 Introduction to Geology**

Studies forces, processes, and events which have shaped our physical environment. Laboratory and field trips.

Credit Hours: 4

## **GEOL 104 Earth History**

Studies the methods and principles employed in deciphering the geologic history of the earth and the development of life. Emphasis is upon the geological evolution of the North American continent and the main features of the fossil record. Laboratory and field trips. Prerequisite: GEOL 101 or 110.

Credit Hours: 4

## **GEOL 105 Geohazards**

An overview of the geological and human factors that contribute to natural disasters, including the role of plate tectonics in driving earthquakes, tsunamis and volcanic activity; the atmospheric and hydrological cycles and their role in weather and climate related disasters; and anthropogenic impact of human civilization on Earth processes and the potential effects on health, safety and property.

Credit Hours: 3

## **GEOL 110 Environmental Geology**

Focuses on the interaction between humans and the geologic environment. Geologic phenomena, such as flooding, volcanoes, earthquakes, shoreline erosion, and soil erosion are examined. Environmental problems to be discussed include groundwater pollution, geologic constraints on sewage and solid waste disposal, resource utilization, acid rain, and the greenhouse effect. Students gain a strong understanding of how geology influences many of these environmental problems. Laboratory and field trips.

Credit Hours: 4

## **GEOL 200 Oceanography**

A broad study of the marine environment which emphasizes the interrelationships of living and non-living systems. Current concepts of ocean evolution are analyzed with respect to their physical, chemical, and biological importance. Laboratory and field trips.

Credit Hours: 3

## **GEOL 220 Landform Evolution**

A comprehensive analysis of geological processes operating at or near the earth's surface. Topics include weathering, soil development, mass wasting and fluvial, glacial, eolian, and coastal erosion and deposition. Geomorphic systems are viewed primarily from a process-response perspective. Laboratory and field trips.

Credit Hours: 3

## **GEOL 230 Introduction to Well Logging**

Focuses on understanding the different types of well logs, their purpose, and limitations. Case studies allow students to gain practical experience in well log interpretation and correlation.

Credit Hours: 3

## **GEOL 295 Research Experience**

Offers course credit to freshman or sophomore students interested in geology, earth science, and/or geoscience who would like to obtain some research experience.

Credit Hours: 1-3

## **GEOL 301 Mineralogy**

Deals with the physical properties of minerals. The course includes descriptive crystallography, optical mineralogy, and x-ray methods. Laboratory. Prerequisite: Permission of instructor.

Credit Hours: 4

## **GEOL 302 Igneous and Metamorphic Petrology**

Studies igneous, sedimentary and metamorphic rocks and their genesis. Laboratory. Prerequisite: GEOL 101 or 110, 301.

Credit Hours: 3

## **GEOL 303 Sedimentary Petrology**

A study of the petrology and petrography of sedimentary rocks. Emphasis is upon recognition, classification and interpretation of sediments via field methods and optical petrography. Laboratory and field trips. (2 CEUs)

Credit Hours: 3

## **GEOL 311 Paleontology**

Encompasses the taxonomy, morphology and recognition of stratigraphically-significant invertebrate fossils. Biostratigraphy, paleoecology, and the evolutionary history of organisms as viewed from the standpoint of the fossil record are also included. Micropaleontology, vertebrate paleontology, and paleobotany are introduced. Laboratory and field trips. Prerequisite: Permission of instructor.

Credit Hours: 3

## **GEOL 313 Structural Geology**

Deals with the mechanical principles of rock deformation and the resulting development of folds, faults, joints, and other tectonic features. The related causes and mechanisms of mountain building are also discussed, along with continental drift, sea floor spreading, and plate tectonics. Laboratory and field trips. Prerequisite: GEOL 101 or 110, 104.

Credit Hours: 3

## **GEOL 322 Sedimentology and Stratigraphy**

Studies the principles that govern the distribution and variability of sediments and sedimentary rocks. Emphasis is upon interpretation of source, mode of transport, and environment of deposition of sedimentary sequences by analysis of vertical and lateral variations in texture, composition, sedimentary structures, and geometry of sedimentary rock bodies. Laboratory and field trips. Prerequisite: GEOL 101 or 110, 104.

Credit Hours: 3

## **GEOL 350 Petroleum Geology**

Focuses on the specific aspects of petroleum geology, such as petroleum migration, seismic exploration and production geology, that are not covered in more general geology courses

Credit Hours: 3

## **GEOL 395 Topics in Geology**

Provides the opportunity to pursue advanced studies in subjects not offered as formal courses. The department offers such studies in the areas of geomorphology, geochemistry, and other topics.

Credit Hours: 1-4

## **GEOL 410 Subsurface Geology**

Focuses on the major techniques used by exploration and production geologists to determine the nature of stratigraphic and structural variations in the subsurface. This course also incorporates computer techniques including Geographic Information Systems in the study of subsurface geology.

Credit Hours: 3

## **GEOL 495 Literature Seminar**

A part of the capstone for the geology major. Students develop arguments, lead discussions, and make oral presentations about current research in the geological sciences.

Credit Hours: 2

## **GEOL 496 Senior Research**

A part of the capstone for the geology major. Students complete an intensive study of a selected problem in geology.

Credit Hours: 3

## **GERM 111 Beginning German I**

The first of two elementary-level courses intended to help students develop communicative as well as intercultural competence in German. This course is intended for students with no prior knowledge of German, or those who have had two years or less of high school German.

Credit Hours: 3

## **GERM 112 Beginning German II**

Builds on the skills acquired in GERM 111. Students will continue to develop an ability to communicate in real-life situations by acquiring additional reading, writing, listening, and speaking skills as well as cultural competency in the Germanic world. Students meet once a week with a language assistant from Germany. Prerequisite: GERM 111 or 2-3 years of high school German.

Credit Hours: 4

## **GERM 123 Explorations in German Literature in English Translation**

Taught entirely in English. The course includes a variety of literary genres from a cross-section of Germanic countries. Emphasis is on significant literary works ranging from the earliest to the most modern and their film adaptations.

Credit Hours: 3

## **GERM 211 Intermediate German I**

Continue the development of interpersonal, interpretive, and presentational skills through a variety of texts (journalistic, short story, poetry, advertising, film, etc.) that reflect the cultural, social, and linguistic diversity of the German-speaking world. Students explore the diversity of practices, products, and perspectives found within contemporary German-speaking societies. Topics may include gender, multiculturalism, ethnicity, family, religion, literature, art, music, gastronomy, education, economics, and politics. Students meet once a week with a language assistant from Germany. Prerequisite: GERM 112 or its equivalent.

Credit Hours: 4

## **GERM 212 Intermediate German II**

Continue the development of interpersonal, interpretive, and presentational skills through a variety of texts (journalistic, short story, poetry, advertising, film, etc.) that reflect the cultural, social, and linguistic diversity of

the German-speaking world. Students explore the diversity of practices, products, and perspectives found within contemporary German-speaking societies. Topics may include gender, multiculturalism, ethnicity, family, religion, literature, art, music, gastronomy, education, economics, and politics. Students meet once a week with a language assistant from Germany. Prerequisite: GERM 211.

Credit Hours: 4

## **GERM 251 German Table**

Offers the opportunity to practice conversational German in an informal setting. Activities are designed to help students use the language creatively. The course may be taken three times for credit but applied to the major or minor only twice. Prerequisite: GERM 111 or its equivalent.

Credit Hours: 1

## **GERM 291 Advanced German Table**

A weekly meeting designed to expand vocabulary and increase the speaking proficiency of students at or above the advanced-intermediate level. Maximum number of German Table classes (251, 291, or a combination) that may be taken for credit: three. Maximum number of German Table classes that can be applied to the hours required for the major: two (can consist of two 251s; two 291s, or one of each). Prerequisite: GERM 212, its equivalent, or permission of instructor.

Credit Hours: 1

## **GERM 301 Advanced German: Conversation and Pronunciation**

Emphasizes listening and speaking skills. Students improve their comprehension and speech through laboratory exercises, class discussions, and other activities. Prerequisite: GERM 212 or equivalent.

Credit Hours: 3

## **GERM 302 Advanced German: Grammar and Composition**

Emphasizes refinement of writing skills and good usage in German. Given different contracts, the course may be taken twice for credit. Prerequisite: GERM 212, its equivalent, or permission of instructor.

Credit Hours: 3

## **GERM 303 From the Middle Ages through the 19th Century**

Introduces German history from 750 to 1800. The course provides a cultural, literary, and historical survey from the age of Charlemagne to the Enlightenment. Prerequisite: GERM 212 or permission of instructor.

Credit Hours: 3

## **GERM 304 From Expressionism to Post-War Literature**

Examines representative authors of the early 20th century, the literary resistance in the Third Reich, exile literature, and the emergence of a new German literature after 1945. Prerequisite: GERM 302 or permission of instructor.

Credit Hours: 3

## **GERM 310 Study Abroad Seminar**

Satisfies the study abroad requirement for the major. Students attend preparatory meetings and participate in assignments designed to maximize the value of the required study abroad experience. Before departure, students engage in readings and discussions. After study abroad, students submit a reflection paper and/or assigned written work related to their formal and informal learning gained during the stay.

Credit Hours: 1

## **GERM 325 Topics in Germanic Civilization**

Explores aspects of Germanic civilization and culture including history, the arts, architecture, religion, and literature in German speaking countries. The course may be repeated for credit as the subject matter changes. Prerequisite: GERM 212 or permission of instructor.

Credit Hours: 3

## **GERM 340 Business German**

Concentrates on the vocabulary of business in German-speaking settings and intercultural awareness between the US and German-speaking countries. The emphasis is on reading, writing, translating, and fundamental oral communication skills in business settings. The course focuses on business topics pertaining to industry, marketing, finance, social welfare, the consumer in general and the environment, in the context of German business culture. Prerequisite: one 300-level German language course or permission of instructor.

Credit Hours: 3

## **GERM 350 German Cinema**

Taught entirely in English. The course covers major German film directors treating themes that include the Third Reich, Germany after WWII, and gender roles. May be taken two times with change in topic

Credit Hours: 3

## **GERM 360 Topics in German Language and Culture**

Provides an opportunity to study a linguistic, literary, or cultural topic related to the German-speaking world. Courses in topical areas not offered in the regular curriculum may be offered on a rotating basis. The course may be repeated for credit as subject matter changes. Prerequisite: Sophomore standing and permission of instructor.

Credit Hours: 1-3

## **GERM 431 German Culture Seminar**

Provides the advanced student an opportunity to study in depth an aspect of Germanic culture, which may include: literature, art, cinema, business culture, or another approved topic. The course serves as a capstone for the German major. Prerequisite: Two German courses numbered above 302, at least one of which is taught in German, or permission of instructor.

Credit Hours: 3

## **HLSC 101 Introduction to Health Sciences**

Designed to orient students to various fields of study in the Health Sciences. The course explores health, fitness, exercise, and management professions. Emphasis is on wellness, acute care, long term care, public health and personal fitness.

Credit Hours: 1

## **HLSC 110 Medical Terminology I**

Provides a basic overview of the medical language and terminology used by health care professionals. Basic word roots, prefixes and suffixes, terms denoting human body orientation, and terms related to specific organ systems, are examined.

Credit Hours: 1

## **HLSC 111 Medical Terminology II**

Builds on the prefixes, suffixes, and word roots mastered in Medical Terminology I by exposing students to additional medical vocabulary, including signs, symptoms and diseases, medical procedures, and pharmacology related to the various organ systems. Students are also exposed to common abbreviations used in medical records. Prerequisite: HLSC 110.

Credit Hours: 1

## **HLSC 151 Global Health**

Provides an overview of major issues in global health, including equity, social justice, concern for the poor and the marginalized, and the importance of value for money from investments in health. Students gain a better understanding of the progress made in addressing global health problems, as well as remaining challenges and what must be done to address them.

Credit Hours: 3

## **HLSC 201 Introduction to Health Administration**

This course provides a foundation in health administration. The course introduces them to the structure and functions of the U.S. Health Care System. The course introduces the challenges of administration within the U.S. Health Care System as influenced by the community and its environment. An introduction to models of management within health care is covered as well.

Credit Hours: 3

## **HLSC 301 The American Health Care System**

Explores the major themes and issues of health care in the U.S. including health care policy, finance, risk management and quality improvement, government regulations, and the insurance industry.

Credit Hours: 3

## **HLSC 304 Statistics for the Health Sciences**

Provides the foundations of statistics with special application for students in the health sciences. Topics include both descriptive and inferential statistics, probability theory and research design. Emphasis is placed on understanding how statistics are used by health practitioners and interpreting the results.

Credit Hours: 3

## **HLSC 305 Health Informatics (MAP)**

Explores the use of information technology in health care practice, education, administration, and research. Topics addressed include how and why information systems are developed and used, the identification and utilization of informatics approaches and tools, as well as how data is acquired, processed, generated, and disseminated.

Credit Hours: 3

## **HLSC 307 Health Communication and Promotion**

Provides a basic overview of the role communication plays in shaping health promotion and disease prevention messages to individuals, groups and the general public. The role of mass media in health communication and promotion is explored. Goals and strategies of health promotion are reviewed along with evaluation activities. Students are expected to identify a specific population and develop a health promotion project for that group.

Credit Hours: 3

## **HLSC 308 Community Health**

This course studies the health problems affecting entire communities and school settings, with particular focus on environmental issues, communicable disease control, and risks of community living. Specific emphasis is placed on

the role of public health agencies in health promotion and disease prevention.

Credit Hours: 3

## **HLSC 312 Social Gerontology**

Provides an overview of the processes of aging. Emphasis is placed on “typical” aspects of aging from three perspectives: the aging individual, the social context of aging, and societal responses to an aging population.

Credit Hours: 3

## **HLSC 315 Public Health and Epidemiology**

Provides an overview of the basic principles of public health and their application to the development of activities that benefit the health status of populations. Concepts of epidemiology, biostatistics, and health care planning, policy development and assessment are also examined.

Credit Hours: 3

## **HLSC 322 Health Policy**

Provides a comprehensive review of the health policymaking process and current debates. An historical perspective of health policy is reviewed. Students are introduced to the process of health policy development and implementation and have the opportunity to analyze a current policy and its effects on a health care organization or special interest group in their local community.

Credit Hours: 3

## **HLSC 326 Health Care Finance**

Provides a general overview of how the health care finance system works in the United States. Essential components of healthcare finance are explored. Students have an opportunity to analyze financial data, systems and processes and to identify performance improvement opportunities for enhancing revenue growth and expense reduction.

Credit Hours: 3

## **HLSC 330 The Human Body: Structure and Function (MAP)**

Focuses on body organization, support and movement, and structural physiology. Topics include the chemical and cellular basis of human life, the integration of body functions and homeostasis, and the structure and function of the various body systems including nervous, endocrine, musculoskeletal, cardiovascular and integumentary.

Credit Hours: 3

## **HLSC 331 Nutrition and Health**

Provides a basic overview of the role nutrition and diet play in health. Fundamental aspects of nutrients and digestive processes are examined. Nutrition and its implications for disease are also addressed.

Credit Hours: 3

## **HLSC 340 Instrumental Clinical Chemistry (MAP)**

Focuses on the chemical theories and principles of instrumental analysis as they apply to clinical chemistry and the work of the clinical laboratorian. The topics covered will provide an understanding of the selection procedure, quality control, and quality improvement of analytical methods of analysis. The theoretical operation and applications of these analysis methods will be considered.

Credit Hours: 3

## **HLSC 341 Applied Clinical Biochemistry I (MAP)**

Focuses on the theory and principles of clinical chemistry, and associated application and instrumentation especially as it pertains to disease states. Focus is on carbohydrate metabolism, protein function, endocrinology, and tumor markers.

Credit Hours: 3

## **HLSC 342 Applied Clinical Biochemistry II (MAP)**

Focuses on the theory and principles of clinical chemistry, and associated application and instrumentation especially as it pertains to disease states. Focus is on acid base, electrolytes, home derivatives, lipids, therapeutic drug monitoring, drugs of abuse and toxicology.

Credit Hours: 3

## **HLSC 345 Personal Health**

This course studies the health problems and concerns of young adults in American today. Topics of study will include stress management, emotional health, chemical dependency, sexual responsibility, physical fitness, heart disease, cancer and communicable diseases. The primary focus will be upon prevention, with students being encouraged to make lifestyle choices conducive to lifelong wellness.

Credit Hours: 3

## **HLSC 351 Occupational Science (MAP)**

Explores the tenets, vocabulary, and research within the field of occupational science. It is designed to prepare the student to utilize occupation-based assessment tools; and to use occupational science research to enhance clinical reasoning and develop basic occupational therapy programming. Prerequisite: Permission of instructor.

Credit Hours: 3

## **HLSC 395 Professional Seminar**

This course provides students with the skills, knowledge and preparation to become a professional in the health science field with a focus on health administration.

Credit Hours: 1

## **HLSC 396 Health Administration Internship**

For every credit hour students requires 40 hours of practical experience, written reflections, and other work in the field of Health Administration. Student will be placed with health care facilities under the direction of department faculty. Recommended for the junior year. Prerequisite: HLSC 395

Credit Hours: 3-6

## **HLSC 406 Legal Issues in Healthcare (MAP)**

Provides a basic understanding of healthcare law. Essential components of healthcare law will be addressed in accordance with how the law impacts the health system from a strategic and operational perspective. Students will have the opportunity to analyze and discuss specific cases that pertain to the topics covered. Best practice strategies for the prevention and management of legal claims will be provided.

Credit Hours: 3

## **HLSC 408 Topics in Health Sciences**

Selected courses which are not offered as part of the existing Health Science Department curriculum. Prerequisite: Permission of the instructor.

Credit Hours: 3

## **HLSC 409 Readings in Health Science**

Offers the student an opportunity to read extensively and discuss with department faculty topics not offered as a part of the existing health science department curriculum. Prerequisite: Permission of the instructor.

Credit Hours: 1-3

## **HLSC 415 Advanced Epidemiology**

Provides an in-depth investigation into epidemiologic methods, building upon the foundations explored in HLSC 315. Both descriptive and analytical epidemiology are covered, including measures, study design, and data interpretation. The impact of ethical principles and public policy on the practice of epidemiology is also considered. Prerequisites: PSYC 232 or HLSC 304; HLSC 315.

Credit Hours: 3

## **HLSC 417 Long-Term Care in an Aging Society**

Examines long-term service delivery programs designed to meet the special needs of seniors. It also includes an historical, philosophical and managerial overview of seniors housing and care, from congregate living to skilled nursing. Current issues in long-term care will be discussed as well.

Credit Hours: 3

## **HLSC 453 Elder Cognitive Health & Wellness (MAP)**

Designed to explore the factors that interplay and affect the functional cognitive ability of elder populations. This course focuses on the use of occupational profiles, interpretation of cognitive levels/scores, and implementation of adaptive strategies to optimize elder cognitive functioning. Prerequisite: HLSC-351

Credit Hours: 3

## **HLSC 455 Sensory Function Across the Lifespan (MAP)**

Focuses on sensory systems, sensory processing, and the sensory basis of occupational engagement from birth through elder years. Students will review basic understanding and assessment of sensory processing, and learn methods for optimizing occupational engagement using sensory integrative and occupational adaptation approaches. Prerequisite: HLSC-351.

Credit Hours: 3

## **HLSC 495 Seminar in Health Science (MAP)**

A capstone course for students completing any of the Health Science majors. Students will engage in an in-depth research study or practicum that links together their general course work, their specialized training and their clinical experience. The topic will be selected in consultation with the supervising faculty member. Prerequisite: permission of department chair.

Credit Hours: 3

## **HLSC 496 Seminar in Public Health Studies**

A capstone for Public Health Studies majors. The student will engage in the development of a research proposal or public health practicum to provide a practical application of their general coursework. The research topic/practicum placement will be selected in consultation with the supervising faculty member. Prerequisite: Permission of Department Chair.

Credit Hours: 3

## **HLSC 497 Seminar in Health Administration**

A capstone course for Health Administration majors. The student will engage in the development of a research proposal or public health practicum to provide a practical application of their general coursework. The research topic/practicum placement will be selected in consultation with the supervising faculty member. Prerequisite: Permission of Department Chair.

Credit Hours: 2

## **HIST 101 Topics in History**

This course provides an in-depth look at a historical event, person, movement, or topic accessible to first and second-year students. Course readings will include both secondary sources and a wide variety of primary sources (e.g. written, visual, oral, audio, video, material culture). It combines a lecture-discussion format to the initial period (1-2 credits) with an opportunity for students to engage in direct research (1 credit) for the last several weeks of the semester. This directed research can take a variety of forms (paper, blog, podcast, film, etc.)

Credit Hours: 1-3

## **HIST 105 United States History to 1877**

Covers the period from the first Native American settlements to 1877, emphasizing the origin of the United States and the rise of democratic ideas and institutions.

Credit Hours: 3

## **HIST 106 United States History since 1877**

Deals with the period 1877 to the present, emphasizing the development of the United States as an industrial and a world power.

Credit Hours: 3

## **HIST 110 Pre-Modern World History**

Surveys selected aspects of World History from the beginning of civilization to the fourteenth century CE. Traces the political, economic, intellectual and cultural institutions and trends of various world societies of Asia, Africa, the Middle East, Europe and Western Hemisphere

Credit Hours: 3

## **HIST 111 The Emergence of the Modern World I**

Surveys selected aspects of World History from the fourteenth to the eighteenth century. Traces the political, economic, intellectual, and cultural institutions and trends of various world societies of Asia, Africa, the Middle East, Europe, and the Western Hemisphere.

Credit Hours: 3

## **HIST 112 The Emergence of the Modern World II**

Surveys selected aspects of World History from the eighteenth century to the present. Traces the political, economic, intellectual, and cultural institutions and trends of various world societies of Asia, Africa, the Middle East, Europe, and the Western Hemisphere.

Credit Hours: 3

## **HIST 200 History Career Field Experience**

This course allows students the opportunity to explore a variety of history-related career opportunities, enhance their professionalism, and develop a career network through visits to various sites (typically within driving distance

of Muskingum University's campus). Students will be required to attend classes prior to a field visit to discuss a selected site's content, public history contribution and methodology, and the career possibilities to be highlighted. Faculty will evaluate each student based upon their discussion participation and written responses to assigned course readings, written reflections about the sites visited, follow up correspondence with selected sites' staff members, and development of professional portfolio. Students may earn 1 credit hour per experience, with the possibility of 3 experiences per semester, and an allowance for 4 credit hours applying to graduation requirements. Students receive one credit hour for 40 hours of work. Prerequisite: 28 earned credit hours and declared History major or minor, or permission of instructor. Due to this additional field experiences, there may be additional costs associated with this course.

Credit Hours: 1-3

## **HIST 220 US Women's History**

Explores the history of American women from the colonial period to the present. Course topics address the changing political, social, and economic views of women's roles and responsibilities over time; the challenges and discrimination women faced (and continue to face) in the struggle to attain equal rights; and the diversity of women's experiences across race, ethnicity, class, and religion. Three of the most important questions that inform the course are: 1.) How did the "ideal" vision of womanhood mask the diversity of women's lives? 2.) Did all women share the same goals when it came to their position in American life? 3.) Did the passage of time always signal progress? Students use a survey text of American women's history and a host of primary source documents from the time periods under study as they read, write about, and discuss the topic over the course of the semester.

Credit Hours: 3

## **HIST 230 The American Civil War**

Employs a wide variety of secondary and primary sources to examine the causes, development and consequences of the American Civil War.

Credit Hours: 3

## **HIST 240 The Holocaust**

Provides an overview of the state-sponsored murder of millions of Jews and non-Jews by the Nazis and their collaborators during World War II. It examines important historical factors that occurred before the Third Reich's rise to power, the development of policies aimed at Jews and other "undesirable" elements of the population and how those persecuted responded to them, the path of the Final Solution, and the aftermath and legacy of the Holocaust.

Credit Hours: 3

## **HIST 245 The First World War**

Provides an overview of the conflict, beginning with the war's origins and includes its global reach, particularly through the colonial empires of the European powers. It traces the path of the conflict from 1914-1918, focusing on major battles on land and at sea, and discusses the major military innovations of this era. It examines changes on the home front as well as how the home front had an impact on the war front and vice versa. It analyses the war's political, demographic, and cultural impact, including its representations in literature, poetry, and film.

Credit Hours: 3

## **HIST 250 Study Abroad Seminar**

Offers the opportunity to travel outside the United States, which enhances a student's knowledge and understanding of history and world cultures. In conjunction with an approved study abroad trip, students attend pre-trip informational and organizational meetings. While traveling they will complete readings and/or written work and participate in group discussions. Upon return, students submit a reflection paper that describes their activities, discusses their experiences and considers what was learned (both during organized excursions and more informal activities).

Credit Hours: 3

## **HIST 260 The Cold War in the Americas**

Examines the influence of the Cold War on Latin America and the United States, seeking to understand the complex and often fraught relationship between Washington and the nations of Latin America. After tracing the evolution of hemispheric relationships from independence to the mid twentieth century, the class explores how the ideological battle between communist and anti-communist forces shaped the development of regional relationships in the Americas. Revolution, guerilla warfare, counter-insurgency, as well as everyday struggles over press freedom and foreign investment, shaped the lives of Americans north and south of the equator. Students will encounter the changing historiography of US-Latin American relations, learning not only about policy choices and responses at the government level, but also how the Cold War shaped the way that the peoples of Latin American and the United States viewed one another, and how culture was shaped by these interpretations.

Credit Hours: 3

## **HIST 300 Historical Research Methods**

Introduces students to the basic skills of historical research and writing. The skills include using databases, locating and evaluating primary and secondary sources, developing a thesis, employing evidence, and proper citation. Prerequisite: Completion of two of the following courses: HIST 105, 106, 111, 112.

Credit Hours: 3

## **HIST 310 Ancient History**

Provides an overview of the history of western civilization between c. 4000 BCE and 500 CE. Topics include political institutions, belief/religion, intellectual culture, interactions between societies, and daily life in Mesopotamia, Egypt, Greece, and Rome. It also traces the transformation from Antiquity to the Middle Ages and the role of the so-called barbarians in this transition.

Credit Hours: 3

## **HIST 318 Nineteenth Century Europe**

This course covers the long nineteenth century (1789-1914), beginning with the French Revolution and its short and long-term political, social, economic, and cultural implications, including Napoleon. Course materials focus on examining the key building blocks of the First and Second Industrial Revolutions and explaining their political, social, economic, and cultural impact; the emerging ideologies of the nineteenth century (conservatism, liberalism, socialism, and Marxism) and how these interacted through the Revolutions of the 1820s, 1830, and 1848; the development of modern nationalism and its implications for power shifts and state building within Europe; the goals, methods, and justifications for European imperialism and its impact both on mother countries and colonies; and the shifts in gender roles, societal organization, and government control of their implications.

Credit Hours: 3

## **HIST 320 Twentieth Century Europe**

This course covers European History from 1914 through the end of the twentieth century. Course materials focus on the causes, path, and results of the First World War and its longterm legacy for Europe; the development of totalitarian states across Europe in the interwar period, including both fascist and communist regimes; the causes, path, and results of the Second World War; the development, expansion, and demise of the Cold War from political, economic, cultural, and social perspectives; the processes of European mother countries attempting to hold on to and/or divest themselves of their colonial empires and the long-term implications thereof; the pivotal role of the 1960s as a decade of protest and resistance against systems of authority across Europe and its long-term consequences; and the path and results of European integration and the revolutions of 1989.

Credit Hours: 3

## **HIST 322 Gender and History**

Introduces students to the use of gender as a historical category of analysis. It encourages students to integrate theory and practice to explore both historical sources (primary and secondary) and historical explanations more deeply through the lens of gender. It explores the social constructions of categories such as feminine and masculine and examines how these binary divisions have had an impact on people, policies, and institutions. It probes the relationship between these categories of analysis and constructions of power and examines how gender has influenced societal constructions of hierarchy, asymmetry, and difference. Topics will include witch trials, industrialization and its impact on work, dueling, reproductive rights and control, betrothal and marriage rituals, civil rights and civil liberties, imperialism, genocide, consumer culture, and wartime experiences. While the focus of this course is on gender, it also includes the diversities of ethnicity, age, and sexual orientation.

Credit Hours: 3

## **HIST 344 East Asian History to 1800**

Examines the origins and development of traditional civilizations of China and Japan to the 19th century. This course emphasizes the development of the Confucian state and society, the rise of Imperial China, the emergence of aristocratic culture in Japan, the transition to Samurai rule, and early contact with the West.

Credit Hours: 3

## **HIST 345 The Second World War**

Examines the origins, course, and impact of the Second World War. Beginning with an investigation of the causes leading up to the war, it traces the conflict through the major military campaigns, giving attention to operations in Europe, North Africa and the Pacific. The course examines strategic, doctrinal, and technological developments as well as the war's impact on civilian populations and the manner in which the conflict transformed selected economic, social, cultural and political realities of domestic life for the major combatants.

Credit Hours: 3

## **HIST 346 Southeast Asian History**

Covers the development of Southeast Asia (Indonesia, Malaysia, Singapore, Thailand, Vietnam, Cambodia, Laos, Burma, the Philippines, and East Timor) in the historical context of conflict between the indigenous societies and the global community of the colonial powers. The course contextualizes and examines the pre-colonial order, the colonial powers in SEA, World War II, and post-war independence movements. Political, social, and intellectual trends with an emphasis on the diversity of experiences are highlighted, but the course is intended as an introduction to a broad and diverse region of the world.

Credit Hours: 3

## **HIST 347 Modern China**

Examines China's evolution from an imperial state to a revolutionary society dominated by the Chinese Communist Party. Attention is paid to political attitudes and elements of society and culture in contemporary China that reflect links to a past that remained influential both as an inspiration and a stumbling block as China remade itself in the twentieth century. In addition, the course explores discontinuities in modern Chinese history brought about by wars, imperialism, revolution, industrialization, and the other forces that decisively altered the underpinnings of Chinese society. This course's reading and lectures are built upon five major themes: foundation and success of early Qing dynasty, peasant rebellion and Western imperialism, reform and revolution in the twentieth century, Republican China and its challenges, and the birth and development of the PRC.

Credit Hours: 3

## **HIST 348 The Western Impact on Modern Japan**

Explores the three ways Japan has become an empire during the past two centuries: through the restoration of imperial rule in the nineteenth century, through its imperialist expansion in Asia during the early twentieth century, and through its emergence as a global economic power in the post-War order. To understand these developments, one must examine the interplay between the internal dynamics of change in Japanese society, culture, and politics, on the one hand, and the impact of the West on Japan during these formative events. This

course addresses how indigenous changes in Tokugawa, Japan, interacted with pressure from Western Imperialism to cause the imperial restoration and reforms as well as addressing the relationship between Japan's imperial expansion and rule at home.

Credit Hours: 3

## **HIST 350 Colonial Latin America**

Examines the process of encounter between the Old and New Worlds. It focuses initially on Pre-Columbian and Iberian societies prior to 1492, and it examines the social, political, cultural, and economic impact of Spanish and Portuguese colonizations in South America. It devotes particular emphasis to countries such as Mexico, Peru, and Argentina from the colonial to the national periods.

Credit Hours: 3

## **HIST 351 Modern Latin America**

Emphasizes the historical developments which followed political independence in 1810. It centers around the impact of Iberian colonization on contemporary forms of political, social, and economic organization in both Meso- and South America. Themes such as development, social inequality, racial identities, imperialism, and authoritarianism surface frequently as the course moves into the contemporary period.

Credit Hours: 3

## **HIST 352 Latin America Film and History**

Studies film as a means to understanding the history of the region. Using film critique and analysis, as well as primary documents and secondary sources, students examine the ways in which films illuminate important themes in Latin American history. Topics include indigenous societies, the European conquest, African slavery, immigration, the relationship between Latin American nations and the international community, and the role of race, gender, and ethnicity in the creation of national identity.

Credit Hours: 4

## **HIST 353 History of Mexico, Pre-Columbian to Present**

Traces the history of this important Latin American country from the Pre-Columbian era to the present. It focuses on the merging of native groups, such as the Aztecs and the Mayans, with the Spanish colonizers, forming a unique society in the New World. Mexico's distinctive historical phases, from colonization to independence, are also closely examined to deepen the understanding of the 1910 Revolution and its course throughout the twentieth century.

Credit Hours: 3

## **HIST 356 History of Modern Africa**

Surveys the history of Africa with emphasis on sub-Saharan Africa in the period after 1800. Topics include state formation, African systems of belief, colonialism and its legacy, labor, migration, and the struggle against Apartheid in South Africa.

Credit Hours: 3

## **HIST 360 Historical Research**

Provides advanced undergraduates with the opportunity to conduct independent research. This research can include deep reading and writing on a specific historical topic or theme that is not offered within the regular curriculum, working with a faculty member on a collaborative research project, and/or conducting research either on campus or off-site for a specific project. Prerequisite: HIST 300.

Credit Hours: 1-3

## **HIST 372 Empires of North America**

Examines the colonization and conquest of North America from the sixteenth through the nineteenth centuries. The course employs a comparative approach to the study of North American empires in this era, examining their internal governance and interactions with their neighbors. The course examines both empires constructed by indigenous peoples, such as the Comanche and Iroquois empires, as well as those constructed by European nations, such as the British, French, Spanish and Dutch empires in North America.

Credit Hours: 3

## **HIST 374 Ohio History**

A survey of the economic, cultural, political, and social history of Ohio, from prehistoric time to the present.

Credit Hours: 3

## **HIST 375 Nearby History**

Provides students with the opportunity to produce histories of local subjects while employing a range of sources. These will include conventional text, image and data-based sources, but the course will require the student to read the built and natural landscapes around them as texts. The course will take place in the classroom but also includes three full Saturday sessions in the field at different locations around the region and state.

Credit Hours: 4

## **HIST 376 The American Revolution**

Examines the American Revolution broadly, from 1763-1815. It examines the sources of conflict in Britain's North American empire, the decision of thirteen British colonies to seek independence, and the gradual emergence of a distinct American national identity. It also explores the progress of the war on the military front and the efforts to secure and stabilize the Revolution by political means in the years after independence was achieved. The course ends with a discussion of the War of 1812 as an epilogue to the American Revolution.

Credit Hours: 3

## **HIST 378 Gender and Sexuality in American History**

Evaluates the changing interpretations of gender and expressions of sexuality in American history from the time of first contact between Europeans and Native Americans. Introducing students to the idea that gender is not a fixed category but rather a concept shaped by culture, the course examines a variety of populations and time periods in US history to highlight the changing understandings of masculinity, femininity, gender identity, and sexual behavior

Credit Hours: 3

## **HIST 379 Youth in Modern America**

Investigates US history through the lens of youth experiences. This course examines media, education, and the marketplace to illuminate the changing understandings and expectations of the youth population. The shared – and sometimes conflicting – messages of these influences reveal goals, tensions, and contradictions of broader American culture and society.

Credit Hours: 3

## **HIST 380 The History of the American Dream**

Traces the evolution of the concept of the American Dream from the time of the nation's founding to the present day. Examining elite culture and political views as well as individual perspectives, the course investigates populations who enjoyed easy access to benefits of the Dream as well as those who found the Dream elusive or unfulfilling. Establishing the Dream as a flexible ideal, interpreted and reinterpreted across generations, this course allows students to develop an argument about the Dream's core components through the exploration of primary source evidence.

Credit Hours: 3

## **HIST 381 1950s America**

Analyzes the history of the 1950s through the lenses of an idealized American Way of Life, alternatives to that ideal, and as a product of historical memory. Topics include suburbanization; the nuclear family and domestic life; expectations of sex and gender; the influence of popular and material culture; generational tensions; the Cold War; and Civil Rights and other rights-based movements. Through examination of historians' evaluations and primary source evidence of the time period under study, this course allows students to identify how historical narrative and popular views of the past are constructed – both by those living during the time and those who look back on the era.

Credit Hours: 3

## **HIST 382 1960s and American Film**

Evaluates the history of 1960s America with primary focus on social and cultural reflections of contemporary issues via major motion pictures of the time. Analysis and review of the films are informed by historical investigation of the 1960s as a whole. The course is intended both to complicate and complement popular views of the decade as students consider major themes that shaped American film: racial conflict and Civil Rights; the Cold War; and challenges to conventional ideas and established authority. Students think critically about assigned films and evaluate them – via both written work and class discussion – as primary source evidence of 1960s America.

Credit Hours: 4

## **HIST 385 American Environmental History**

Studies human societies and their relationship to their environment over time. The focus is on the environmental history of North America from pre-Columbian times to the present. Topics explored include the Columbian exchange, evolving concepts of man's relationship to nature, the government's role in conservation and preservation, and the emergence of an environmental movement in recent decades.

Credit Hours: 3

## **HIST 390 Topics in History**

Deals with selected topical courses such as Early Warfare, Conspiracy in US History, or Race, Ethnicity, and Identity in the Americas.

Credit Hours: 3

## **HIST 395 Public History and Memory**

Allows students to critically examine the past as it is presented in sites of public commemoration. These may include national historic parks, battlefields, museums, living history sites and public monuments. The course is offered only as a part of University approved domestic and foreign study trips.

Credit Hours: 3

## **HIST 398 Internship in History**

Designed to offer students supervised history-related work experience. Prerequisite: Prior permission of the instructor.

Credit Hours: 1-3

## **HIST 420 Readings in History**

Permits students to explore historical topics in depth under the direction of a faculty member. Prerequisite: Junior or senior history majors or permission of the instructor.

Credit Hours: 3

## **HIST 460 History Research Seminar**

Emphasizes methodological and bibliographical research techniques in the discipline of history. Students research and write on specific topics to meet acceptable standards of historical analysis and style. Prerequisite: Junior or senior history majors or permission of instructor.

Credit Hours: 3

## **IDIS 100 First Year Seminar**

Provides students with a common academic experience during their first semester. The course offers an extended orientation to the academic environment within a context of common readings, assignments, and activities. The course also introduces students to academic resources on campus.

Credit Hours: 1

## **IDIS 160 Introduction to Film Studies**

Guides students through the basics of film studies. Course instruction includes such topics as cinema history, filmmaking techniques, and film criticism.

Credit Hours: 3

## **IDIS 230 Emerging Leaders**

Is an introductory leadership experience that helps students build and practice skills necessary to become effective leaders both while in college and in preparation for roles and responsibilities in future careers. This experience is led by University staff and/or faculty. Students may earn one credit hour per experience with a maximum of four credit hours applying to graduation. Graded S/U.

Credit Hours: 1

## **IDIS 240 Introduction to American Studies**

Offers an interdisciplinary study of the values, beliefs, cultures, and social systems of the United States and its many diverse populations. The course integrates a variety of methods and disciplines to help develop skills in critical analysis, communication, cultural knowledge, and self-reflection that contribute to students' desire to shape the world beyond the university setting. Through examination of popular, artistic, and political culture, market trends, and the public and private experience of Americans, past and present, the course explores the values and beliefs that have shaped the experience of American people across race, class, gender, ethnicity, and region.

Credit Hours: 3

## **IDIS 250 Career Field Experience**

Involves an introductory supervised experience in a vocational field. The experience is closely supervised by a faculty member and an on-site supervisor. This initial experience provides a gateway to a vocational and/or academic field and may serve as a preparation for future internships. Students may earn 1-2 credit hours per experience, with a maximum of 4 credit hours applying to graduation requirements. Students receive one credit hour for 40 hours of work. Graded S/U. Prerequisites: 28 earned credit hours and at least a 2.0 cumulative GPA.

Credit Hours: 1-2

## **IDIS 260 Topics in Film Studies**

Explores in detail a specific topic, genre, or area of film studies. This seminar-style course combines required readings with viewings of selected films. Film studies minors are required to take this course twice.

Credit Hours: 1

## **IDIS 275 Arts and Humanities in Western Culture**

Fosters an appreciation of the landmarks of the Western cultural heritage in religion, philosophy, language and literature, the visual arts and architecture, music, and theatre.

Credit Hours: 3

## **IDIS 291 Introduction to Gender Studies**

Introduces selected topics in gender studies. Inclusive of all disciplines and team-taught by gender studies faculty, the course gives an orientation into the field through reading, writing, and discussion.

Credit Hours: 3

## **IDIS 300 Internship**

Involves a supervised experience in a vocational field related to a program of study. The program is closely supervised by faculty members and by an on-site director. Students may earn 1-6 credit hours for each distinct internship, with a maximum of 16 hours including, student teaching, applying to graduation requirements. Graded S/U. Prerequisite: Junior standing, 2.5 GPA. The junior standing prerequisite is waived for students participating in Disney internships.

Credit Hours: 1-6

## **IDIS 360 Pre-Law**

Is an analysis of the Law School Admission Test, the Law School Data Assembly Service, and the Law School Candidate Referral Service. Students take a sample examination under conditions approximating those of the LSAT. Graded S/U. Prerequisite: Junior standing.

Credit Hours: 1

## **IDIS 491 Seminar in International Business**

Enables the student to pursue an approved research project involving international business practice and theory. Students are strongly encouraged to work with advisors to develop seminar topics/approaches that synthesize language and business skills and that demonstrate appropriate intercultural competencies. Prerequisite: Completion of the international business major business core.

Credit Hours: 3

## **IDIS 492 Humanities Senior Seminar**

Involves work necessary for the completion of the senior seminar, resulting in an extensive written research project in which the student formulates a question to study, proposes a thesis to be argued, and presents support for that thesis in the final paper.

Credit Hours: 3

## **JOURN 101 Journalism Practica**

Provide laboratory or workshop experiences in journalism writing and design. Registration is with the journalism coordinator at final registration. Restrictions: maximum of two Journalism practica hours per year; maximum of four Journalism practica hours toward major or minor.

Credit Hours: 1

## **JOURN 201 Journalism Practica**

Provide laboratory or workshop experiences in journalism writing and design. Registration is with the journalism coordinator at final registration. Restrictions: maximum of two Journalism practica hours per year; maximum of

four Journalism practica hours toward major or minor.

Credit Hours: 1

## **JOURN 207 Print Writing and Reporting**

Provides an introduction to the principles and concepts of writing and reporting for print media and the web. It involves reporting, interviewing, doing background research, writing, and analyzing news stories, and introduces students to journalistic ethics and codes of conduct. Cross listed as ENGL 207. Prerequisite: ENGL 121.

Credit Hours: 3

## **JOURN 219 Photojournalism**

Covers the use of digital photography in journalism, with a focus on journalistic storytelling, digital photo editing, and legal and ethical concerns for photojournalists. Prerequisite: MEDIA 150, or permission of instructor.

Credit Hours: 3

## **JOURN 301 Journalism Practica**

Provide laboratory or workshop experiences in journalism writing and design. Registration is with the journalism coordinator at final registration. Restrictions: maximum of two Journalism practica hours per year; maximum of four Journalism practica hours toward major or minor.

Credit Hours: 1

## **JOURN 399 Internship**

Involves a supervised experience in the student's major. The program is closely supervised by faculty members and an on-site director. Credit counts as 3 of the 16 internship hours which may be applied to graduation requirements. Graded S/U. Prerequisite: Junior standing, 2.5 GPA and instructor permission. Cross listed as DMD 399, MEDIA 399, PBRL 399.

Credit Hours: 3

## **JOURN 401 Journalism Practica**

Provide laboratory or workshop experiences in journalism writing and design. Registration is with the journalism coordinator at final registration. Restrictions: maximum of two Journalism practica hours per year; maximum of four Journalism practica hours toward major or minor.

Credit Hours: 1

## **JOURN 495 Seminar**

Exposes students to an intensive study in a selected area of emphasis. The first four weeks are devoted to the development of a project prospectus. The remainder of the semester is given to independent study under the guidance of an appropriate instructor. Prerequisite: MEDIA 308, 365, 450.

Credit Hours: 3

## **LIBR 220 Beyond Google: Research Skills and Resources**

Introduces students to research and information literacy skills, emphasizing the strategies needed for effective research in the digital age. Students learn to communicate the results of their research effectively and ethically.

Credit Hours: 3

## **LIBR 301 Archival Research: Special Topics**

Introduces students to the fundamentals of archives and archival research. Students then apply this knowledge as they conduct research within an archive (for example, Muskingum's, John Glenn's at Ohio State, or any number of online archives). Students will be introduced to the background information (historical, social, legal, etc.) necessary to contextualize the archival materials.

Credit Hours: 3

## **MATH 100 Transitional Algebra**

Develops algebraic concepts and skills needed to graph and solve linear equations and inequalities. Evaluating algebraic expressions and formulas according to the rules of operations is also developed. Not open to students with credit for a higher level math course. Prerequisite: ACT Math 17 or below or SAT Math 470 or below.

Credit Hours: 2

## **MATH 140 Practical Statistics**

Is an introduction to statistical ideas, reasoning, and methods with the goal of equipping students with the ability to carry out common statistical calculations and procedures in order to be able to understand how statistical concepts are applied in other fields of study and by future employers. Prerequisite: MATH 100 or ACT Math 18 or higher or SAT Math 471 or higher.

Credit Hours: 3

## **MATH 150 Quantitative Reasoning for the Liberal Arts**

Studies various quantitative concepts in mathematics, such as sets, counting methods, probability, statistics, functions, matrices, graphs, and trees; and applies these concepts either to a variety of different disciplines or to a single subject centered on a theme. Not open to students with credit for 225. Prerequisite: MATH 100 or ACT Math 18 or higher or SAT Math 471 or higher.

Credit Hours: 3

## **MATH 170 Applied College Algebra**

Develops algebraic concepts and skills concerning linear, quadratic, rational, and radical functions along with their equations and graphs. Algebraic concepts are applied to construct mathematical models. Not open to students with credit for a higher level math course. Prerequisite: MATH 100 or ACT Math 18 or higher or SAT Math 471 or higher.

Credit Hours: 3

## **MATH 180 Precalculus**

Concentrates on preparing students with the concepts and skills that apply to the study of Calculus. Topics include polynomial, exponential, logarithmic, and trigonometric functions along with their equations and graphs. Concepts of analytic geometry are also developed. Not open to students with credit for a higher level math course. Prerequisite: MATH 170 or ACT Math 21 or higher or SAT Math 546 or higher.

Credit Hours: 4

## **MATH 190 Calculus I**

Introduces the concepts of limit, continuity, derivative, integral, and applications. It assumes some knowledge of trigonometric functions and equations for lines and conic sections. Prerequisite: MATH 180 or ACT Math 24 or higher or SAT Math 576 or higher.

Credit Hours: 4

## **MATH 200 Calculus II**

Continues the study of calculus and includes such topics as applications of integrals, methods of integration, logarithms, exponential, indeterminate forms, polar and parametric equations, and infinite series. Prerequisite: MATH 190.

Credit Hours: 4

## **MATH 230 Linear Algebra and Vectors**

Includes the study of vectors, matrix algebra, vector spaces, linear transformations, and determinants. Prerequisite: MATH 190.

Credit Hours: 3

## **MATH 240 Discrete Mathematics I**

This course introduces set theory, mathematical logic, basic proof techniques, number theory, counting and probability, and graph theory. Prerequisite: MATH 180

Credit Hours: 3

## **MATH 250 Discrete Mathematics II**

This course continues the study of topics introduced in MATH 240. This includes advanced proof techniques such as strong induction, the study of graphs and their applications, recurrence relations, advanced combinatorial techniques, or other topics as determined by the instructor. Prerequisite: MATH 240.

Credit Hours: 3

## **MATH 310 Calculus III**

Includes the study of the basic concepts of calculus applied to functions of more than one variable such as 3-dimensional coordinate systems and graphs, vector products, partial and directional derivatives, multiple and path integrals. Related applications such as velocity, acceleration, curvature, mass, and work are also studied. Prerequisite: MATH 200.

Credit Hours: 3

## **MATH 320 Differential Equations**

Includes the study of first and higher order differential equations, methods for obtaining solutions, and applications. Prerequisite: MATH 200, 230.

Credit Hours: 3

## **MATH 330 Algebraic Structures**

Includes the study of groups, rings, fields, vector spaces, and other related topics. Prerequisite: MATH 230, 250

Credit Hours: 4

## **MATH 340 Mathematical Statistics**

Includes the basic theory and applications of probability and statistics. Co-requisite: MATH 310.

Credit Hours: 3

## **MATH 350 Numerical Analysis**

Presents the concepts and methods of numerical solutions for mathematical problems and includes applications using the computer. Prerequisites: MATH 200, 230, CPSC 100.

Credit Hours: 3

## **MATH 360 Geometry**

Presents the study of several geometries, including synthetic and metric Euclidean, non-Euclidean, projective, and finite geometries. Prerequisite: MATH 240.

Credit Hours: 3

## **MATH 370 History of Mathematics**

Surveys the history and development of mathematics from ancient times through to the present day. It shows the contributions made to the field by mathematicians from diverse ethnic, racial, and gender groups. Prerequisite: MATH 190, 225, 230.

Credit Hours: 2

## **MATH 410 Analysis**

Presents a rigorous development of calculus and an introduction to real analysis. Prerequisite: MATH 240, 310.

Credit Hours: 4

## **MATH 420 Complex Analysis**

Is an introductory study of the theory of functions of complex variables. Prerequisite: MATH 310, 320.

Credit Hours: 3

## **MATH 490 Topics in Mathematics**

Studies in greater depth topics in the other listed courses. Prerequisite: Permission of the instructor.

Credit Hours: 3

## **MATH 495 Mathematics Seminar**

Provides a setting for the study and mastery of selected expository papers. Students lecture on the subject of the chosen paper and take an oral examination. Prerequisite: Permission of instructor.

Credit Hours: 1

## **MEDIA 150 Introduction to Convergent Media**

An introductory course which provides multimedia instruction to create content for convergent media audiences. This course teaches principal skills to prepare students to publish in audio, photo, print, video and web converged platforms. Conceptual, practical, and ethical frameworks for integrating traditional and new forms of media gathering, reporting, and storytelling are emphasized. This course provides hands-on training and critique to prepare students for journalism, media production and public relations majors.

Credit Hours: 3

## **MEDIA 210 Media Literacy**

Examines the many ways in which media influence individuals and society. Students are introduced to the scholarly study of media effects and media theories. The media literacy perspective establishes the principle that the more one knows and understands how media affect people, including self, the better able the individual is to evaluate, control, and maximize appropriate media exposure and consumption. The course provides information about how audiences are influenced by and react to mediated messages.

Credit Hours: 3

## **MEDIA 240 Broadcast Writing and Reporting**

Emphasizes the production planning, writing, and scripting processes as the necessary first steps in preparing material for radio and television productions. Students write and deliver broadcast news and features, commercials, promotional announcements, and longer format programs. Prerequisite: MEDIA 150.

Credit Hours: 3

## **MEDIA 300 Visual Communication**

Introduces principles and theories of the study of two-dimensional images, specifically those developed with informational or persuasive intent. Students acquire visual literacy skills that will allow them to evaluate and critique messages. They demonstrate understanding by using electronic graphic and web design software to design an electronic portfolio of visual communication messages.

Credit Hours: 3

## **MEDIA 308 Single Camera Video Production and Editing**

Introduces single-camera production and editing techniques and their creative applications in various program formats. Pre-production planning and design, field production and nonlinear editing projects are emphasized. Students develop reasonable standards of criticism for their own work and that of others. Prerequisite: MEDIA 240 or instructor permission.

Credit Hours: 3

## **MEDIA 312 Electronic Media Structure and Content**

Surveys programming, economic, and structural issues in contemporary electronic media. The impact of new communication technologies on the traditional radio/television enterprises is also emphasized.

Credit Hours: 3

## **MEDIA 365 Audio Production**

Introduces basic audio recording and editing techniques and their creative applications in electronic media production. Students develop reasonable standards of criticism for their own work and that of others. Prerequisite: MEDIA 240.

Credit Hours: 3

## **MEDIA 399 Internship**

Involves a supervised experience in the student's major. The program is closely supervised by faculty members and an on-site director. Credit counts as 3 of the 16 internship hours which may be applied to graduation requirements. Graded S/U. Prerequisite: Junior standing, 2.5 GPA and instructor permission. Cross listed as DMD 399, JOURN 399, PBRL 399.

Credit Hours: 3

## **MEDIA 415 Advanced Media Production**

A project-oriented audio and video production class providing the opportunity for students to continue to develop skills learned in the introductory media production classes (see prerequisites below). The course emphasizes focused and methodical pre-production planning and scripting, production, and post-production refinement and evaluation as the necessary phases of the production process. Students work individually and in groups. Specific assignments and projects are determined by the instructor at the start of the semester, depending on the makeup of the class. Prerequisites: MEDIA 150, 308, 365.

Credit Hours: 3

## **MEDIA 420 Media Law**

Examines the legal structure and case law within which the media operate. The course surveys interpretations of the First Amendment, legal issues involving libel, privacy, newsgathering, electronic media regulation, obscenity, indecency, intellectual property, and advertising. While the course covers the history and development of media law, the emphasis is on contemporary legal issues in a digital media environment. Prerequisite: MEDIA 210 or MEDIA 312 or instructor permission.

Credit Hours: 3

## **MEDIA 450 Advanced Convergent Media**

Provides students opportunities to practice long-form multimedia content creation for convergent media audiences. Students gather and publish in audio, photo, print, video, and web converged platforms. Conceptual, practical, and ethical frameworks for integrating new forms of media gathering, reporting, and storytelling are emphasized. This course provides thorough critiques to prepare students for advanced production courses and career practice.

Credit Hours: 3

## **MEDIA 495 Seminar**

Exposes students to an intensive study in a selected area of emphasis. The first four weeks are devoted to the development of a project prospectus. The remainder of the semester is given to independent study under the guidance of an appropriate instructor. Prerequisite: COMM 360.

Credit Hours: 3

## **MBIO 211 Topics in Molecular Biology**

Includes presentation and discussion of molecular biology topics of current interest and importance. This is a seminar-style course which provides the opportunity for students to gain an understanding of the field through general readings as well as the recent literature. May be repeated once for credit.

Credit Hours: 1

## **MBIO 411 Topics in Molecular Biology**

A seminar-style course which examines in depth, through readings, discussions and presentations, important topics in the field. Molecular biology majors must take the course for at least one credit. May be taken for additional credit. Prerequisite: MBIO 211, BIOL 375, CHEM 214, 315.

Credit Hours: 1

## **MBIO 417 Molecular Biology Seminar**

Involves library research in a molecular biological topic, related to the research to be conducted in 418. The course also features student oral presentations and a written paper related to the library and lab research. Prerequisite: MBIO 211, BIOL 375, CHEM 214, 315.

Credit Hours: 2

## **MBIO 418 Research in Molecular Biology/Internship**

Builds on 417. Students may satisfy this requirement by conducting lab research in molecular biological problems in the science division, or with an internship which has the prior approval of the molecular biology faculty. Prerequisite: MBIO 417.

Credit Hours: 4

## **MUSC 100 Performance Seminar**

Concentrates on the skill of performance. Also included in the course is the continuous development of the critical listening skills needed for a music major or minor. Music majors, and minors who have course work still remaining, must register for MUSC 100 or 300.

Credit Hours: 0

## **MUSC 101 Fundamentals of Music Theory**

A course designed to introduce the general college student to music reading and music theory, including structures of notation and basic elements: intervals, scales, meter, and rhythm. The course includes basic theory, ear training, and keyboard harmony and can be a preparatory course for the Materials of Music sequence.

Credit Hours: 3

## **MUSC 110 History of Popular Music**

Introduces students to an historical and cultural perspective on trends in popular music of the 20th and 21st centuries in the United States.

Credit Hours: 3

## **MUSC 111 Materials of Music I**

Introduces students to the fundamentals of music, structures of notation and basic elements: intervals, scales, and meter; rhythmic, melodic and harmonic progressions; and studies in part writing. In addition, this course introduces students to an overview of music literature in order to provide an understanding of the relationships among various styles of music. Prerequisite: Departmental placement exam or instructor consent.

Credit Hours: 4

## **MUSC 112 Materials of Music II**

A continuation of 111. Prerequisite: MUSC 111 or instructor consent.

Credit Hours: 4

## **MUSC 115 Aural Skills I**

Studies music based on the structure and aural recognition of intervals; meter; and rhythmic, melodic and harmonic progressions, through solfeggio; ear training, and written dictation. Students analyze structure and recognition of tertian harmony through keyboard application.

Credit Hours: 1

## **MUSC 116 Aural Skills II**

A continuation of 115. Prerequisite: MUSC 115 or instructor consent.

Credit Hours: 1

## **MUSC 121 Introduction to Music**

A survey course designed to introduce the general college student to aspects of music, music creating, and a broad spectrum of music literature and styles.

Credit Hours: 3

## **MUSC 131 Brass Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Can only be taken twice.

Credit Hours: .5-1

## **MUSC 133 Woodwind Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Can only be taken twice.

Credit Hours: .5-1

## **MUSC 135 String Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Can only be taken twice.

Credit Hours: .5-1

## **MUSC 137 Percussion Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Can only be taken twice.

Credit Hours: .5-1

## **MUSC 140 Diction for Singing**

Introduces vocal students to IPA (International Phonetic Alphabet), and its use in English, Italian, German and French lyric diction. Required for all first-year music education majors, music majors, music and musical theatre minors, with a vocal concentration.

Credit Hours: 1

## **MUSC 141 Voice**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Can only be taken twice.

Credit Hours: .5-1

## **MUSC 143 Keyboard**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate

instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Can only be taken twice.

Credit Hours: 1

## **MUSC 145 Composition**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges.

Credit Hours: 1

## **MUSC 149 Jazz Improvisation**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges.

Credit Hours: 1

## **MUSC 150 Piano Accompanying (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 160 Southeastern Ohio Symphony Orchestra (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements. Can only be taken twice.

Credit Hours: 1

## **MUSC 161 Wind Ensemble (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements. Can only be taken twice.

Credit Hours: 1

## **MUSC 162 Concert Choir (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students

by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 163 Choral Society**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 164 Musical Theatre Workshop**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 165 Campus Choir**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 166 Chamber Singers**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 167 Muskingum Valley Symphonic Winds (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 168 Jazz Ensemble**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students

by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 169 Spirit Band**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 170 Chamber Ensembles**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 181 Introduction to Music Education**

Provides an overview of the theories, methodologies, and philosophies of music education from 1700 to the present.

Credit Hours: 2

## **MUSC 190 Piano Class I**

A study of the basic keyboard skills necessary for careers in music. Prerequisite: Instructor consent.

Credit Hours: 1

## **MUSC 191 Piano Class II**

A continuation of 190.

Credit Hours: 1

## **MUSC 211 Materials of Music III**

A continuation of 112. Prerequisite: MUSC 112 or instructor consent.

Credit Hours: 4

## **MUSC 212 Materials of Music IV**

A continuation of 211 and includes form and analysis and compositional techniques. Prerequisite: MUSC 211 or instructor consent.

Credit Hours: 4

## **MUSC 215 Aural Skills III**

A continuation of 116. Prerequisite: MUSC 116 or instructor consent.

Credit Hours: 1

## **MUSC 216 Aural Skills IV**

A continuation of 215. Prerequisite: MUSC 215 or instructor consent.

Credit Hours: 1

## **MUSC 281 Woodwind Methods and Pedagogy**

Provides practical study of woodwind instruments with materials and methods of teaching.

Credit Hours: 2

## **MUSC 282 String Methods and Pedagogy**

Provides practical study of string instruments with materials and methods of teaching.

Credit Hours: 2

## **MUSC 283 Brass and Percussion Methods and Pedagogy**

Provides practical study of the brass and percussion instruments with materials and methods of teaching.

Credit Hours: 2

## **MUSC 284 Voice Pedagogy and Practicum**

Introduces the fundamental concepts and implementation of vocal pedagogy practices through literature study, observation, singing, and applied pedagogy (guided teaching).

Credit Hours: 2

## **MUSC 290 Piano Class III**

A continuation of 191.

Credit Hours: 1

## **MUSC 291 Piano Class IV**

A continuation of 290.

Credit Hours: 1

## **MUSC 295 Piano Proficiency**

A performance examination of a music major's skills and is a department requirement. A grade of Satisfactory is noted on the transcript upon successful completion.

Credit Hours: 0

## **MUSC 300 Performance Seminar**

Concentrates on the skill of performance. Also included in the course is the continuous development of the critical listening skills needed for a music major or minor. Music majors, and minors who have course work still remaining, must register for MUSC 100 or 300.

Credit Hours: 0

## **MUSC 301 Topics in Music**

Provides the advanced student an opportunity to study selected topics in music. The course may be repeated as subject matter changes. Examples of emphases could be church music, arranging, marching band techniques, diction, jazz, or pedagogy. Prerequisite: MUSC 212.

Credit Hours: 1-3

## **MUSC 302 Topics in Music**

Provides the advanced student an opportunity to study selected topics in music. The course may be repeated as subject matter changes. Examples of emphases could be church music, arranging, marching band techniques, diction, jazz, or pedagogy. Prerequisite: MUSC 212.

Credit Hours: 1-3

## **MUSC 303 Topics in Music**

Provides the advanced student an opportunity to study selected topics in music. The course may be repeated as subject matter changes. Examples of emphases could be church music, arranging, marching band techniques, diction, jazz, or pedagogy. Prerequisite: MUSC 212.

Credit Hours: 1-3

## **MUSC 310 Excursions in World Music**

A survey of music genres from various cultures and ethnicities around the world. Emphasis is placed on the relationship between music and its cultural content.

Credit Hours: 3

## **MUSC 315 Instrumentation**

A study of scoring techniques for band, choir, and orchestra. Prerequisites: MUSC 212 or instructor consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 2

## **MUSC 321 Western Music History I**

A detailed study of music from antiquity through Mozart. Prerequisites: MUSC 212 or instructor consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 3

## **MUSC 322 Music History II**

A detailed study of music from Beethoven through the present day. Prerequisites: MUSC 212 or instructor consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 3

## **MUSC 331 Brass Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Prerequisite: Take MUSC-131 twice

Credit Hours: .5-1

## **MUSC 333 Woodwind Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Prerequisite: Take MUSC 133 twice.

Credit Hours: .5-1

## **MUSC 335 String Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Prerequisite: Take MUSC 135 twice.

Credit Hours: .5-1

## **MUSC 337 Percussion Instruments**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Prerequisite: Take MUSC 137 twice.

Credit Hours: .5-1

## **MUSC 341 Voice**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Prerequisite: Take MUSC 141 twice.

Credit Hours: .5-1

## **MUSC 343 Keyboard**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges. Prerequisite: Take MUSC 143 twice.

Credit Hours: 1

## **MUSC 344 Commercial Recording**

A course designed to provide an introduction to the techniques of sound reinforcement and music recording through instruction and hands-on recording of department concerts and through the mixing of recorded tracks resulting in a CD.

Credit Hours: 1

## **MUSC 345 Composition**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate

instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges.

Credit Hours: 1

## **MUSC 347 Conducting**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges.

Credit Hours: 1

## **MUSC 349 Jazz Improvisation**

Applied Music offers private instruction to all students at all levels in brass, woodwind, string, percussion, keyboard instruments, and voice. With departmental and instructor permission, students may also take applied lessons in composition, conducting, and jazz improvisation. Students should consult with the appropriate instructor to determine course and section number. Fees for applied music are levied in addition to the regular tuition charges.

Credit Hours: 1

## **MUSC 350 Piano Accompanying (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 360 Southeastern Ohio Symphony Orchestra (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements. Prerequisite: Take MUSC 160 twice.

Credit Hours: 1

## **MUSC 361 Wind Ensemble (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements. Prerequisite: Take MUSC 161 twice.

Credit Hours: 1

## **MUSC 362 Concert Choir (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major

ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements. Prerequisite: Take MUSC 162 twice.

Credit Hours: 1

## **MUSC 363 Choral Society**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 364 Musical Theatre Workshop**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 365 Campus Choir**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 366 Chamber Singers**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 367 Muskingum Valley Symphonic Winds (major ensemble)**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 368 Jazz Ensemble**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students

by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 369 Spirit Band**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 370 Chamber Ensemble**

Ensembles offer collaborative group instruction in music rehearsal and performance. Repertoire appropriate to the type, size, and level of each ensemble is studied and presented regularly in public concerts and recitals. Major ensembles (Southeastern Ohio Symphony Orchestra, Wind Ensemble, and Concert Choir) are open to all students by audition and instructor permission. A maximum of 10 hours of ensemble credits may be counted toward minimum graduation requirements.

Credit Hours: 1

## **MUSC 371 Conducting I**

The introductory course to conducting a musical ensemble. Emphasis is placed on beat patterns, left hand techniques, and musical leadership. Prerequisites: MUSC 212, or instructor consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 2

## **MUSC 372 Conducting II**

The advanced course in conducting a music ensemble. Emphasis is on rehearsal, visual representation of the aural score, analysis of performance problems, and performance and pedagogical literature. Prerequisite: MUSC 371.

Credit Hours: 2

## **MUSC 382 Music Education: Teaching General Music**

Focuses on methods, materials, objectives, skills, and instructional strategies for the development of basic musical concepts in the general music classroom in grades Pre-K-8. Specialized approaches of Dalcroze, Kodály, and Orff are studied; field observation hours for Pre-K-8 are included. Prerequisites: MUSC 212 or instructor consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 2

## **MUSC 383 Music Education: Teaching Vocal Music**

Studies the methods, materials, objectives, and instructional strategies for the teaching of vocal and choral music in grades 4-12. Field observation hours for grades 4-12 are included. Prerequisites: MUSC 212 or instructor consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 2

## **MUSC 384 Music Education: Teaching Instrumental Music**

Studies the administration and teaching of instrumental music in the schools (4-12) and the teaching of general music in grades 9-12. Field observation hours for grades 9-12 are included. Prerequisites: MUSC 212 or instructor

consent and successful completion of the Junior Qualifying Exam.

Credit Hours: 2

## **MUSC 401 Senior Recital**

Together with 445, is the capstone of the music or music education major. All students presenting a senior recital must be enrolled in the appropriate corresponding applied music course during the semester of the recital.

Prerequisite: MUSC 445, instructor consent.

Credit Hours: 0

## **MUSC 445 Senior Seminar**

Together with 401, is the capstone of the music or music education major. The Senior Seminar focuses on research, analysis, and writing skills pertaining to the musical arts and the field of music education, and culminates in oral presentations and/or a major analytical research paper. Prerequisites: Successful completion of the Materials of Music sequence; completion of MUSC 321; completion of or enrollment in MUSC 322; instructor consent.

Credit Hours: 1

## **MUSC 482 Music Education: Professional Semester in Elementary Education**

Involves students as practice teachers in an elementary school music program under the supervision and guidance of a cooperating teacher and Muskingum faculty member. Prerequisites: MUSC 382, 383, 384.

Credit Hours: 5

## **MUSC 483 Music Education: Professional Semester in Secondary Education**

Involves students as practice teachers in a secondary school music program under the supervision and guidance of a cooperating teacher and Muskingum faculty member. Prerequisites: MUSC 382, 383, 384.

Credit Hours: 5

## **NRSC 201 Topics in Neuroscience**

Is a seminar-style course team taught each semester by the neuroscience faculty. It explores in detail a particular topic in the field through reading and discussion of recent published reports. Neuroscience majors must take the course three times.

Credit Hours: 1

## **NRSC 305 Cognitive Neuroscience**

Is a junior-level introduction to human cognition from neuroscientific and evolutionary perspectives. Students begin by learning the historical and philosophical antecedents of the field. Students then develop an understanding and appreciation for cognition and research methodology in the field; topics include perception, attention, memory, language, brain organization and plasticity, and the problem of consciousness. Prerequisites: BIOL 112 and PSYC 281.

Credit Hours: 3

## **NRSC 308 Neuroscience Practicum**

Is a “real world” introduction to current research topics in the discipline. Students conduct several laboratory projects in this course. They also attend the annual meeting of the Society for Neuroscience or a regional

neuroscience conference and report on their experience. Prerequisite: Junior standing and permission of instructor.

Credit Hours: 1

## **NRSC 368 Fundamental Neuroscience**

Emphasizes basic neurophysiology, neurochemistry, synaptic function, coordinated organismal functions, and common neurological disorders. Laboratory emphasizes neuroanatomy. Prerequisite: BIOL 108, 112, 226. Cross listed as BIOL 368.

Credit Hours: 4

## **NRSC 386 Neuropharmacology**

Provides basic explanations concerning how drugs act in the brain. The primary focus will be at the cell/molecular level with a lesser focus on the effects at the organismal level. Prerequisites: BIOL 108, 112, 226, CHEM 111, 112.

Credit Hours: 4

## **NRSC 407 Neuroscience Research I**

Part of a three-semester sequence of courses in an independent study program designed to provide opportunities to practice inquiry and discovery while intensively investigating a fundamental problem in neuroscience. In the first semester, students search the current scientific literature related to their topic and prepare a review paper and a research proposal. During the senior year, the students conduct an original investigation and produce both a scientific paper and an oral presentation. They also present a poster at the Annual Science Poster Session.

Credit Hours: 3

## **NRSC 408 Neuroscience Research II**

Part of a three-semester sequence of courses in an independent study program designed to provide opportunities to practice inquiry and discovery while intensively investigating a fundamental problem in neuroscience. In the first semester, students search the current scientific literature related to their topic and prepare a review paper and a research proposal. During the senior year, the students conduct an original investigation and produce both a scientific paper and an oral presentation. They also present a poster at the Annual Science Poster Session. Prerequisite: NRSC 407.

Credit Hours: 2

## **NRSC 409 Neuroscience Research III**

Part of a three-semester sequence of courses in an independent study program designed to provide opportunities to practice inquiry and discovery while intensively investigating a fundamental problem in neuroscience. In the first semester, students search the current scientific literature related to their topic and prepare a review paper and a research proposal. During the senior year, the students conduct an original investigation and produce both a scientific paper and an oral presentation. They also present a poster at the Annual Science Poster Session. Prerequisite: NRSC 408.

Credit Hours: 2

## **NURS 125 Foundations in Professional Practice I**

The course is an introduction to the theoretical concepts and foundational principles of nursing. The course will present the practice of nursing as defined and described in the program's philosophy statement and key concept definitions. Prerequisite: Direct admit to nursing or admitted as a "pre-nursing" student.

Credit Hours: 1

## **NURS 126 Foundations in Professional Practice II**

The course is an introduction to the theoretical concepts and foundational principles of nursing as defined and described in the program's philosophy statement and key concept definitions. A professional nursing e-portfolio will be introduced that will continue throughout the nursing program and conclude in the senior capstone course NURS 487. Prerequisite: Direct admit to nursing or admitted as a "pre-nursing" student.

Credit Hours: 1

## **NURS 226 Health Assessment**

Is designed to systematically teach the knowledge and skills needed to perform a comprehensive health history and physical assessment on the adult client. Content related to the techniques of inspection, palpation, percussion and auscultation are taught. Utilization of assessment data that includes physiological, psychosocial, developmental and genetic factors, and skills within diverse cultures in multiple health care settings are emphasized. The analysis of assessment data enables students to enhance clinical reasoning, decision making and communication skills. Students have the opportunity to practice and demonstrate assessment skills learned in the laboratory setting. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 3

## **NURS 227 Fundamentals of Nursing Practice**

Introduces theories, principles and concepts relative to basic fundamental nursing practice. Students utilize concepts and content taught in the arts and sciences, including health assessment, to begin developing critical thinking skills and nursing care planning in accordance with the nursing process. Psychomotor and interpersonal communication skills are taught, along with principles of safety and infection control using evidence based practice concepts. Students learn and practice psychomotor skills in the nursing laboratory prior to performance in the clinical agency to which they are assigned. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 4

## **NURS 230 Pharmacology**

The focus of this course emphasizes pharmacodynamics and clinical uses of various classes of drugs in the healthcare setting. Drugs discussed include those used for hypertension, infection, cancer, pain and diseases of the cardiovascular, renal, respiratory, endocrine, gastrointestinal and central nervous systems. This is a theory only course. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 3

## **NURS 251 Introduction to Clinical Practice in Medical-Surgical Nursing**

Introduces the nursing process of caring for adults and their family with acute and chronic health alterations. The student uses the nursing process to care for the adult medical-surgical patient and their family in a holistic manner using information based on current evidence-based practice. A combination of classroom, laboratory and clinical teaching strategies are used to introduce nursing concepts and content related to physiological adaptation, psychosocial integrity, pharmacological therapy, cultural competence, ethical practice and leadership. Professional communication using oral, written and information technology is expected. Co-requisite: NURS 230. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 7

## **NURS 330 Transitions in Professional Practice (RN-BSN)**

This course provides an introduction to the Bachelor of Science in Nursing philosophy at Muskingum University. Aspects of professional nursing practice will be addressed, including scope of practice, nursing process, cultural awareness, communication applications, writing standards, presentation development, collaboration, and the use of informatics to facilitate proficiency in Evidence Based Practice (EBP). Prerequisite: Admission to the RN to BSN program track.

Credit Hours: 3

## **NURS 335 Health Assessment (RN-BSN)**

This course increases knowledge and skills in performing the client health history and physical assessment. Utilization of assessment skills and data collection across the lifespan, within diverse cultures, and in multiple health care settings will be emphasized. The analysis and synthesis of assessment data will enable students to enhance clinical reasoning, decision-making and communication. Prerequisite: Admission to the RN to BSN program track.

Credit Hours: 3

## **NURS 340 Nursing Research**

Introduces the basic skills necessary to critique nursing research. Focuses on research methodology, interpreting research articles and evaluating the usefulness of findings for evidence-based nursing practice. This is a theory only course. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 3

## **NURS 351 Clinical Practice in Medical-Surgical Nursing**

Students are expected to apply nursing knowledge and use critical thinking skills based on evidence-based nursing practice to care for adults and their family with acute and chronic health alterations. A combination of classroom, laboratory and clinical teaching strategies are used to continue building from prior program coursework on the concepts and content related to physiological adaptation, psychosocial integrity, pharmacological therapy, culture competence, ethical practice and leadership. Professional communication using oral, written and information technology is expected. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 7

## **NURS 360 Mental Health and Family Nursing**

The purpose of this course is to apply the concepts of mental health to individuals and groups. The concepts to be emphasized include therapeutic communication, caring, cultural competence, evidence-based research practices and leadership/management affecting selected mental health alterations. This course includes theory and clinical practice. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 4

## **NURS 375 Nursing Care of Parents, Newborns and Children**

This course addresses the needs of child-bearing parents, newborns and children as they progress through the stages associated with health promotion, wellness and illness in normal age related changes, pregnancy, child development and rearing from conception through adolescence. The student uses critical thinking skills in the application of the nursing process with parents, families in childbirth, postpartum, and newborns through adolescence. Nursing implications relevant to physiological, developmental and genetic factors that influence the care of parents and children are covered. The nursing lab provides students the opportunity to learn and apply nursing skills relevant to the care of newborns through adolescence and of pregnant women. Clinical practice is provided in maternity and pediatric settings commensurate with the course content. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 8

## **NURS 430 Perspectives in Global Nursing and Health**

Provides an overview of major health problems from a global perspective. It identifies health priorities of the 21st Century, discusses how healthcare systems operate in different countries and provides examples of organizations that address global health issues. This is a theory only course. Prerequisites: Must meet all nursing progression requirements and have upper division status in nursing.

Credit Hours: 3

## **NURS 451 Nursing Care of Adults with Complex Health Problems**

Students analyze and apply the concepts of physiological adaptation, psychosocial integrity, pharmacological therapy, cultural competence, ethical practice and leadership in the management of care for adults with complex multi-system health alterations. A combination of classroom laboratory and clinical teaching strategies are used to plan and implement evidence-based nursing care for the complex patient and their family. Professional communication using oral, written and information technology is expected. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 7

## **NURS 460 Community Health Nursing**

Focuses on the concepts of public health, epidemiology and community health nursing with emphasis on health promotion and disease prevention. An assessment of a rural community is completed. Cultural influences, chronic health problems, communicable diseases, disaster preparedness, health financing and environmental issues are examined in relation to community and family health practices. Health risks of individuals and families in the community are explored in terms of teaching/learning activities, caring ethics, nursing process and research through evidence-based practice. This course includes theory and clinical practice. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 4

## **NURS 470 Contemporary Issues in Nursing and Health (RN-BSN)**

This course examines the history and contemporary status of the American healthcare system as it relates to social, economic, cultural, political, and educational forces affecting nursing and health care. The role of the nurse is explored related to professional, legal, and ethical responsibilities. Nursing theorists are discussed and analyzed in terms of applicability for nursing practice. The student will also prepare for career opportunities and credentialing issues for life-long learning. Prerequisite: Admission to the RN to BSN program track.

Credit Hours: 3

## **NURS 480 Nursing Leadership and Management (RN-BSN)**

This course emphasizes development of leadership skills in nursing practice. Organizational, leadership, management and change theories are examined. Effective group leadership skills to assist in directing and/or providing safe, ethical care for groups of patients will be discussed. A significant component of the course will be the completion of an evidence based clinical project. Theory and clinical course. Prerequisite: Successful completion of NURS 330, 335, 340, 430, and 470.

Credit Hours: 4

## **NURS 486 Nursing Leadership and Management**

Development of leadership skills in nursing practice is emphasized. Organizational leadership, management and change theories are examined as they relate to the practice of nursing in dynamic and complex healthcare delivery systems. Ethical, political, legal, and social issues that influence healthcare management are explored. Students are expected to analyze practical leadership and management case scenarios and substantiate their analyses with evidence from the literature. An evidence-based project is completed that includes leadership concepts and theories covered in the course. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 3

## **NURS 487 Nursing Senior Capstone: Preparation for Licensure and Practice**

Focuses on the application of nursing content as it relates to preparation for licensure and entry into practice. Opportunities for socialization into the professional nursing role are provided. Students are expected to function with a high degree of independence, collaborate with other healthcare professionals, use effective group/leadership skills and direct and/or provide safe, ethical care for their patients. Students are required to successfully complete a clinical experience, and apply the nursing process to patients in the healthcare setting. At the conclusion of the course students take a comprehensive predictor exam, and submit a nursing program objectives portfolio. Prerequisites: Must meet all nursing progression requirements.

Credit Hours: 7

## **NURS 490 Special Topics**

This elective option is reserved for selected topics in Nursing. The course title, description, and syllabus are subject to approval of the instructor and the Chair of the Department. Prerequisite: Upper division status in Nursing or permission of instructor.

Credit Hours: 1-3

## **PHIL 101 Introduction to Western Philosophy**

Introduces students to some of the key writers and concepts in philosophy, with a special emphasis on Western Philosophy (i.e. European and American). Topics could include human freedom, personal identity, the nature and existence of God, the problem of evil, the nature of knowledge, theories of truth, and approaches to values.

Credit Hours: 3

## **PHIL 202 Logic and Critical Thinking**

Examines formal and informal techniques for evaluating arguments in order to improve critical thinking skills. Topics include informal fallacies of reasoning, uses and abuses of language, arguments in context, symbolic logic, and validity.

Credit Hours: 3

## **PHIL 203 Introduction to Ethics**

Critically examines ethical theories of the criteria used to make justified and responsible ethical decisions. Considers difficult moral problems connected to topics such as killing, lying, fairness, sexual morality, environmental concerns, and professional ethics.

Credit Hours: 3

## **PHIL 305 Biomedical Ethics**

Explores moral issues relating to medicine and biology. Examples of issues considered include euthanasia, genetic engineering, disabilities, and allocation of healthcare resources. Students explore arguments about these issues using the concepts and principles of ethical theory.

Credit Hours: 3

## **PHIL 325 Western Philosophy: The Ancients**

Investigates Greek and Roman philosophy, with the possibility of including early Christian philosophy, in order to help students understand the origins of Western Philosophy. Includes figures such as Plato, Aristotle, Augustine, and Aquinas, as well as movements such as Stoicism and Epicureanism, with a focus on the role of rational inquiry in the quest for human flourishing.

Credit Hours: 3

## **PHIL 327 Western Philosophy: The Early Moderns**

Examines philosophies from 1600-1800 such as rationalism (Descartes, Spinoza), empiricism (Locke, Hume, Berkeley) and Kant's critical philosophy. Focuses on this period's response to scientific and political revolutions.

Credit Hours: 3

## **PHIL 331 Environmental Ethics**

Explores the nature and basis of our ethical obligations regarding the natural environment. Considers views of these obligations ranging from the human-centered (anthropocentrism), to the moral considerability of animals (animal liberation), to the notion that we have direct obligations to all living things or whole ecosystems (ecocentrism). Provides the opportunity to use these ethical perspectives to evaluate environmental policies, laws, or agendas.

Credit Hours: 3

## **PHIL 342 Religions and Philosophies of Asia**

Deals with the different forms of religious belief around the world—especially Hinduism, Buddhism, Confucianism, Taoism, Shintoism, and Islam. Cross listed as RELG 342.

Credit Hours: 3

## **PHIL 343 Social and Political Philosophy**

Considers theories of the nature and legitimacy of the state and its laws. Also deals with topics such as the rights and responsibilities of citizens, ethics in political decision-making, economic justice, punishment, race and gender oppression, political and cultural identity, and the value and meaning of democracy. Cross listed as POLS 343, SOCI 335.

Credit Hours: 3

## **PHIL 350 Later Modern Philosophy**

Examines topics about the nature of knowledge and reality from the period of the Nineteenth century through the early Twentieth century. Examples of topics include the nature and existence of God, the nature of mind, and the courses of knowledge.

Credit Hours: 3

## **PHIL 355 Comparative Philosophy**

This course examines two or more philosophical traditions in a comparative context. Fosters deeper understanding of philosophical traditions by articulating their assumptions from the perspectives of others. Examines themes such as the cultural conditions of knowledge and values, ethnocentrism, and marginalization.

Credit Hours: 3

## **PHIL 360 Topics in Metaphysics or Epistemology**

Explores a historically recent (i.e. 20th/21st century) topic in either Metaphysics or Epistemology. Possible Metaphysics topics include (but are not limited to) recent conceptions of a Higher Power, the Nature of Being, Social Constructivism, and the supposed Death of Metaphysics. Epistemology topics may include exploring Logical Positivism, Philosophy of Mind, the possibility of Artificial Intelligence, and Philosophy of Language.

Credit Hours: 3

## **PHIL 361 Topics in Moral Philosophy**

Provides students the opportunity for advanced study of moral philosophy. Topics range from theoretical questions about the status of morality to practical questions about specific moral problems. Descriptions of the course topic

for a given semester are available in the course schedule bulletin and on the religion and philosophy department website.

Credit Hours: 3

## **PHIL 403 Directed Readings in Philosophy**

Gives the student an opportunity to do intensive readings in areas of philosophy selected in consultation with the department.

Credit Hours: 1-3

## **PHIL 495 Senior Seminar Research in Philosophy**

Involves research necessary for the completion of the senior seminar. Such preliminary research includes extensive reading, compilation of a bibliography, composition of a thesis statement, and the creation of an initial outline. Students are asked to demonstrate their progress in regular meetings with the instructor and/or department

Credit Hours: 1

## **PHIL 496 Senior Seminar**

Involves writing an extensive research paper on a focused topic. Students are asked to demonstrate their progress in regular meetings with the instructor and/or department. This course culminates in an oral defense of the project. Prerequisite: PHIL 495

Credit Hours: 3

## **PE 101 Concepts of Wellness**

Develops an understanding of basic exercise physiology and physical training principles. Students learn to assess their own personal level of physical fitness and the benefits of proper physical activity. At the conclusion of the course, students are ready to continue a lifetime of healthy physical fitness activity. Appropriate for adolescent level students.

Credit Hours: 1

## **PE 102-140 Physical Education Service Courses**

Enable students to fulfill individual sports, team sports, and activity interests by covering a wide variety of activities such as aerobic fitness, archery, badminton, cheerleading and dance, flag football, lifeguard training, water safety instructor, tennis, golf, racquetball, soccer, softball, and varsity athletics. No activity may be repeated for credit, and a maximum of three activities may be counted toward graduation requirements. Varsity athletes may take their respective varsity sport in any year of participation.

Credit Hours: 1

## **PE 151 Practica**

Are taken by students interested in training or working as student assistants with various sports. A maximum of three practica may be taken for major or minor credit. Graded S/U.

Credit Hours: 1

## **PE 220 Lifeguarding/Water Safety Instructor**

Teaches the methods prescribed by the American Red Cross to save a victim of multi-age in need and ensure safety in an aquatic environment. Special attention is paid to the safety considerations and legal ramifications presented to the lifeguard. Counts as a service course.

Credit Hours: 2

## **PE 251 Practica**

Are taken by students interested in training or working as student assistants with various sports. A maximum of three practica may be taken for major or minor credit. Graded S/U.

Credit Hours: 1

## **PE 319 Motor Learning and Adaptive Physical Education for Early Childhood**

Is designed to provide the future educator with the necessary foundation of fundamental movement concepts and principles for children grades PreK to 5. Special emphasis is placed upon the use of developmentally appropriate practice to enhance the acquisition of more complex motor skills and patterns. In addition, educators are given specific strategies necessary in the educating of children who require skill adaptation and the use of prescriptive exercise and equipment. Educators attempt to establish a positive attitude and appreciation for regular health-related physical activity throughout the child's lifespan. Lastly, the educator experiences first hand the importance of movement activities and how they assist in the child's psychological, physical, intellectual, and social development. Required field experience: 15 hours.

Credit Hours: 3

## **PE 321 Motor Learning and Adaptive Physical Education for Middle Childhood**

Presents methods and materials for complete physical education instruction for children ages 9-14. Emphasis is on movement education, movement exploration, physical fitness, dancing, and specialized sports skills of basketball, football, floor hockey, soccer, softball, track and field, and volleyball. Practical teaching experience is included, and teaching units are developed. Required field experience: 15 hours.

Credit Hours: 3

## **PE 341 Principles of Physical Education, Evaluation and Measurements**

Deals with basic concepts, philosophical foundation, and subsequent applications in physical education for multi-age students. Included are specific testing, measurement, and evaluation procedures utilized in the classroom.

Credit Hours: 3

## **PE 351 Practica**

Are taken by students interested in training or working as student assistants with various sports. A maximum of three practica may be taken for major or minor credit. Graded S/U.

Credit Hours: 1

## **PE 416 Teaching Physical Education Activities**

Is concerned with the methods and materials for teaching archery, badminton, bowling, racquetball, golf, dance, swimming, and tennis. Included is practice in teaching and conducting class activities for both middle and adolescent level students. Required field experience: 20 hours. Prerequisite: PE 203

Credit Hours: 4

## **PE 450 Independent Elective**

Enables a student to work cooperatively with a staff member in a directed study in physical education, athletics, athletic training, recreation, or other areas with the approval of the department chair and the cooperating

instructor.

Credit Hours: 1-3

## **PE 451 Practica**

Are taken by students interested in training or working as student assistants with various sports. A maximum of three practica may be taken for major or minor credit. Graded S/U.

Credit Hours: 1

## **PE 470 Administration, Organization, and Supervision of Health, Physical Education and Sports Programs**

Is designed to deal with the various methods of implementation for programs in health, physical education, intramurals, and sports. Special emphasis is also placed upon the supervision and evaluation procedures of such programs.

Credit Hours: 3

## **PE 490 Student Teaching Seminar**

Is taken during the professional semester to enhance the student teaching experience for the multi-age students. Student teachers discuss specific issues and concerns they are currently experiencing in the classroom.

Credit Hours: 1

## **PHEN 100 Physics for Video Games**

An introduction to the laws of physics needed to produce video games with compelling realism. Topics include kinematics, Newton's laws of motion, conservation of momentum, conservation of energy, rotational dynamics, video analysis, measurement, curve fitting, graphical interpretation, programming and simulation development. No programming experience is required. Three hours of lecture. Prerequisite: High school algebra.

Credit Hours: 3

## **PHEN 101 Conceptual Physics**

A conceptual-based introduction to classical physics. Topics include mechanics, properties of matter, thermodynamics, waves, sound, electricity, magnetism, and optics. Three hours of lecture and two hours of laboratory. Prerequisite: High school algebra.

Credit Hours: 4

## **PHEN 110 Introduction to Physics and Engineering**

An introduction to the physics and engineering profession. Basics of ethics, engineering design, engineering graphics, and presentation skills are studied. Students work in teams on a hands-on design project. One hour of lecture and two hours of laboratory.

Credit Hours: 2

## **PHEN 121 Classical Physics I**

This course is for science and engineering majors: a calculus-based presentation of kinematics, mechanics, and thermodynamics. Three hours of lecture and two hours of laboratory per week. Recommended Co-requisite: MATH 190.

Credit Hours: 4

## **PHEN 122 Classical Physics II**

This course is for science and engineering majors: a calculus-based presentation of sound, light, electricity, and magnetism. Three hours of lecture and two hours of laboratory. Recommended Co-requisite: MATH 200. Prerequisite: PHEN 121.

Credit Hours: 4

## **PHEN 150 Introduction to Astronomy**

An introduction to the science of astronomy and the scientific method. Topics include the history of astronomy, light and matter, astronomical instruments, the solar system, stellar characterization, stellar evolution, and the interstellar medium. The course concludes with a brief survey of galaxies and cosmology. A weekly laboratory may be complemented by outdoor observing. Three hours of lecture and two hours of laboratory.

Credit Hours: 4

## **PHEN 203 Modern Physics**

A survey of 20th century physics: quantum mechanics with applications to nuclear, atomic, molecular, and solid state physics. Three hours of lecture and two hours of laboratory. Prerequisites: PHEN 122 and MATH 200.

Credit Hours: 4

## **PHEN 210 Statics and Dynamics**

Studies forces and moments that act on rigid bodies and the conditions that produce equilibrium and non-equilibrium. Three hours of lecture and two hours of laboratory. Prerequisite: PHEN 121. Co-requisite: MATH 200.

Credit Hours: 4

## **PHEN 235 Electronics**

An introduction to electrical measurements, electric circuit theory, semiconductor devices and circuits, and analog and digital circuits. 3 hours of lecture and 2 hours of laboratory. Prerequisites: PHEN 122, MATH 200.

Credit Hours: 4

## **PHEN 300 Material Science**

Examines the relationship between atomic structure, crystal structure, and microstructure of solids with their physical properties (mechanical, thermal, optical, electrical, and magnetic). Three hours of lecture and two hours of laboratory. Prerequisite: PHEN 203.

Credit Hours: 4

## **PHEN 310 Optics**

Studies the ray, wave, and photon nature of light and selected optical instruments. Three hours of lecture and two hours of laboratory. Prerequisite: PHEN 203.

Credit Hours: 4

## **PHEN 320 Thermodynamics**

Examines the properties of a pure substance, work and heat, the first law of thermodynamics, control volume analysis, entropy, the second law of thermodynamics, power and refrigeration systems and heat transfer. Three hours of lecture and two hours of laboratory. Prerequisites: PHEN 121, MATH 310.

Credit Hours: 4

## **PHEN 330 Principles of Design**

Introduces engineering science students to the design process: formulation of a problem, creative approaches to solving the problem, analysis, materials selection, and economics. Prerequisite: Declared major or minor in Engineering Science or instructor permission.

Credit Hours: 3

## **PHEN 340 Theoretical Physics I**

Introduces the Lagrangian and Hamiltonian formulations of mechanics and the formalism of quantum mechanics. Three hours of lecture. Prerequisites: PHEN 203, 210, MATH 230.

Credit Hours: 3

## **PHEN 350 Special Topics in Physics and Engineering**

Prerequisite: Declared major or minor in Engineering Science or Physics or instructor permission.

Credit Hours: 1-3

## **PHEN 360 Strength of Materials**

An introduction to the fundamental concepts and mechanics of deformable solids. Topics include stresses and strains in solids, material behavior, shear forces and bending moments, deflection of beams, torsion of circular shafts, Mohr's circle for plane stress, pressure vessels, column buckling, statically indeterminate structures, centroids and moments of inertia. Three hours of lecture. Prerequisite: PHEN 210.

Credit Hours: 3

## **PHEN 370 Electromagnetics**

Studies electricity, magnetism, and their interrelationships. Applications to the design and operation of electromagnetic components and systems are emphasized. Prerequisites: PHEN 122, MATH 310.

Credit Hours: 3

## **PHEN 405 Signals and Systems**

An introduction to basic concepts of signals, system modeling, and system classification. Convolution, response of linear time-invariant (LTI) systems, impulse response are presented. Emphasis is given to frequency-domain analysis of continuous-time and discrete-time signals and systems: Fourier series, Fourier, Laplace and z-transforms. Prerequisites: PHEN 235, MATH 320.

Credit Hours: 3

## **PHEN 410 Measurements**

An introduction to sensors, interface electronics, data acquisition, calibration and response, probability, statistics, uncertainty analysis and regression. Three hours of lecture and two hours of laboratory. Prerequisite: PHEN 235.

Credit Hours: 4

## **PHEN 415 Control Systems**

Introduces the analysis and design of control systems. Characteristics, performance, and stability of feedback control systems are studied. Mathematical and state-variable modeling and the root locus and frequency response methods are emphasized. Prerequisite: PHEN 405.

Credit Hours: 3

## **PHEN 420 Fluid Mechanics**

An introduction to the fundamental principles and applications of hydrostatics and fluid flow. Three hours of lecture and two hours of laboratory. Prerequisites: PHEN 210, MATH 320.

Credit Hours: 4

## **PHEN 425 Introduction to Electrical Power Systems**

An introduction to the analysis of magnetic circuits and polyphase balanced power systems. Topics include transformers and power transmission lines. Three hours of lecture. Prerequisite: PHEN 370.

Credit Hours: 3

## **PHEN 430 Theoretical Physics II**

Introduces statistical thermodynamics and elaborates on the formalism of electromagnetism. Three hours of lecture. Prerequisites: PHEN 320, 400.

Credit Hours: 3

## **PHEN 490 Introduction to General Engineering Senior Project**

This course prepares General Engineering students for their senior project by stepping them through the process of writing and presenting a proposal for a design project. Students are required to (1) periodically present their progress on preparing their proposal, (2) submit their finished proposal, and (3) present it to students in the Introduction to Physics and Engineering course. 1 hour of lecture per week. Prerequisite: PHEN 330

Credit Hours: 1

## **PHEN 491 Introduction to Physics Senior Project**

This course prepares Physics students for their senior project by stepping them through the process of writing and presenting a proposal for a research project. Students are required to (1) periodically present their progress of preparing their proposal, (2) submit their finished proposal, (3) present it to students in the Introduction to Physics and Engineering course. 1 hour of lecture per week. Prerequisite: PHEN 340.

Credit Hours: 1

## **PHEN 492 Introduction to Physics Education Senior Project**

This course is an introduction to Physics Education Senior Project prepares Physics Education students for their senior project by stepping them through the process of writing and presenting a proposal for a research project. Students are required to (1) periodically present their progress on preparing their proposal, (2) submit their finished proposal, and (3) present it to students in the Introduction to Physics and Engineering course. 1 hour of lecture per week. Prerequisite: EDUC 394

Credit Hours: 1

## **PHEN 495 General Engineering Senior Project**

The capstone course for the General Engineering program. Working as individuals or in teams in consultation with departmental faculty, students execute the design they proposed in the Introduction to General Engineering Senior Project course. Students are required to (1) periodically present their progress on implementing their proposal, (2) present a poster that describes their design project for the Homer A. Anderson Family Science Colloquium series, and (3) submit a prototype and a final report for their design. Prerequisite: PHEN 490.

Credit Hours: 3

## **PHEN 496 Physics Senior Project**

The capstone course for the Physics program. Working as individuals or in teams in consultation with departmental faculty, students execute the research project they proposed in the Introduction to Physics Senior Project proposal. Students are required to (1) periodically present their progress on implementing their proposal, (2) present a poster that describes their research project for the Homer A. Anderson Family Science Colloquium series, and (3) submit a final report for their research project. Prerequisite: PHEN 491.

Credit Hours: 3

## **PHEN 497 Physics Education Senior Project**

The capstone course for the Physics Education program. Working as individuals or in teams in consultation with departmental faculty, students execute the research project they proposed in the Introduction to Physics Education Senior Project proposal. Students are required to (1) periodically present their progress on implementing their proposal, (2) present a poster that describes their research project for the Homer A. Anderson Family Science Colloquium series, and (3) submit a final report for their research project. Prerequisite: PHEN 492.

Credit Hours: 3

## **POLS 111 American Political Systems**

Introduces students to the institutions, processes, and values that constitute the American political system. In dealing with such topics as First Amendment rights, Congress, the Presidency, parties and interest groups, bureaucracy, and public policy, some time is spent in examining select aspects of the social and political background to American politics.

Credit Hours: 3

## **POLS 121 Introduction to Public Administration and Policy**

Introduces students to the broad environment in which public policies are made in Europe and the United States. The relationship between the social ends desired and the administration employed and the difficulties of transferring the Western model of administration to other cultures are developed as themes. The intimate link between government administration and civilization is explored, and students are exposed to major elements of public administration, including administrative processes, organizational theory, human relations, and implementation.

Credit Hours: 3

## **POLS 131 Introduction to Comparative Politics**

Introduces students to foundational concepts and dynamics in the field of comparative politics. The course discusses patterns of political behavior, the essential elements of a political system, the institutions of different regimes, and the various ways in which states reconcile freedom, order, and equality. Numerous political systems are studied in comparative context. Both democracies and non-democracies are examined, with attention to the process of democratization in different systems.

Credit Hours: 3

## **POLS 151 Introduction to International Relations**

Introduces students to foundational concepts and dynamics in the field of international relations. Topics focus on the nature of interaction between political entities on the world stage, including states, IGOs, NGOs, and other entities. Topics covered include globalization and its consequences, the nature of East-West and North-South relations, the international economic system, the causes and consequences of war, and the international paths to peace.

Credit Hours: 3

## **POLS 240 Introduction to Research Methods**

This course covers the basics of a cross-section of research methods used in Criminal Justice, Political Science, and other social sciences. The research methods covered include a basic quantitative method, a qualitative method, a field research method, and components of conducting a literature review. Students will learn problem formulation, hypothesis construction, and hypothesis testing. The course emphasizes the consumption of social science research and research methods skill development to be used in upper level Criminal Justice and Political Science courses. Cross listed with CRMJ 240.

Credit Hours: 3

## **POLS 310 US National Security**

Examines the nature of national and homeland security in the United States, including actors, institutions, and the impact of national security structures and behavior on the US and the world. Areas of concentration include the history of national security issues and concerns, changes in the post-9/11 world, homeland security issues, intergovernmental coordination and conflict, domestic and global implications of US policy, and both current and future challenges to US national security.

Credit Hours: 3

## **POLS 311 Congress and the Presidency**

Provides an understanding of the central policy-making institutions of the federal government: Congress and the Presidency. Attention is given to the constitutional power of Congress and the Presidency; the separation and delegation of powers; the evolution of powers and the inter-institutional power relationship; the policy making process; and historical and contemporary political polarization.

Credit Hours: 3

## **POLS 312 Constitutional Law Governmental Powers**

Focuses on the activity of the Supreme Court in interpreting the meaning of the Constitution through case law specific to the areas of governmental powers. After examining the powers and activities of the Court, specific areas of law are examined. These include powers and limitations of each branch, separation of powers, checks and balances, issues of federalism, taxing and spending powers, and economic powers.

Credit Hours: 3

## **POLS 314 Political Communication**

Focuses on how communication manifests itself through politics. Attention is given to the nature and impact of mass media, which informs, shapes, and legitimizes political attitudes. Emphasis is given to theories of attitude formation and change, mass media as instruments of political communication and opinion leadership, how the media shapes public perceptions, the influence of political communication on public policy, and the media as a tool of political influence and control.

Credit Hours: 3

## **POLS 317 Constitutional Law II: Civil Rights and Liberties**

Focuses on the activity of the Supreme Court in interpreting the meaning of the Constitution through case law specific to the areas of civil rights and civil liberties. After examining the powers and activities of the Court, specific areas of law are examined. These include civil liberties (religion, speech, privacy, etc.), rights of the accused (search and seizure, due process, fair trial, etc.), and civil rights (equal protection, discrimination, etc.).

Credit Hours: 3

## **POLS 319 Political Parties and Elections**

Examines political parties found in democratic nations including multi-party systems with an emphasis on the case in the United States, and the meaning of parties for governing, political participation, and citizenship. Different election processes, election law, political finance, and the effects on outcomes are also studied.

Credit Hours: 3

## **POLS 321 Public Administration**

Studies the structures and processes for formulating and implementing public policies. Emphasis is given to the role of the national-level bureaucracy. State and local managerial and administrative concerns are addressed broadly and through specific illustrative examples.

Credit Hours: 3

## **POLS 322 Public Policy**

Establishes a framework for the policy cycle and applies it to selected policy concerns. The nature of public policy, making public policy, substantive policy issues, and policy analysis are explored.

Credit Hours: 3

## **POLS 323 Administrative Law**

Provides an understanding of the legal concepts that define what has been called “the bureaucratic state.” Students examine the law governing the creation of, powers of, and limitations upon administrative agencies of all sorts.

Credit Hours: 3

## **POLS 324 Urban Politics**

Focuses on the political and policy choices and the constraints cities face. Students are provided a theoretical base to analyze cities in terms of the issues they face, the factors that affect them, and the structure that they operate in. Important policy issues such as smart-growth strategies, economic development, and downtown revitalization are stressed.

Credit Hours: 3

## **POLS 325 Public Sector Human Resource Management**

Examines the environment of public employment. Differences between the public and private sector, the historical growth of the personnel system in the public sector, and topics in administration, staffing, and productivity are explored. Public sector processes for recruitment, selection, development, motivation, evaluation, compensation, and discipline are given particular attention.

Credit Hours: 3

## **POLS 326 Regional Planning**

Introduces students to planning at the city level and offers a unique opportunity to apply directly what has been learned in the classroom. Students are exposed to the major ideas behind regional planning, including land use planning, MPDUs and regional coalitions.

Credit Hours: 3

## **POLS 328 Applied Policy: Occupational Safety and Health**

Provides students with the tools necessary to develop and design an effective occupational and safety health program in a wide variety of industries to mitigate risk and protect workers. The course is designed to give students training in policy development and program implementation which can both be used in a multitude of settings and serve as a transferable skill.

Credit Hours: 3

## **POLS 331 Politics of Western Europe**

Studies such states as the United Kingdom, France, Germany, and others in depth, with comparisons being drawn among them. The emphasis is on the distribution of power and the organization for governing in parliamentary, presidential, and related democracies.

Credit Hours: 3

## **POLS 334 Ethnic Conflict and Nationalism**

Examines the roles of ethnicity and national identity in constructing the modern world, ethnic conflicts, racism, and separatism through discussion of theoretical articles and real-world cases. The course includes the study of waves of national and current ethnic conflicts.

Credit Hours: 3

## **POLS 336 Russian Politics and Society**

This course introduces students to political and social issues in the Russian Federation of democratization, nation-building, and building capitalism from the ground up. The course recaps Russian and Soviet history before discussing some of the issues the country faces. These issues include territorial disintegrated, ethnic conflict, demographic change, gender roles, corruption, and other issues of contemporary significance. Cross Listed with SOCI-336.

Credit Hours: 3

## **POLS 342 Ethical Issues in Politics**

Examines the ethical aspects of some of the difficult political issues facing the United States and the world community, including such topics as the influence of money on political systems, the role of ethics in addressing domestic social welfare issues, the moral aspects of humanitarian and economic development issues, and ethical concerns relating to issues of war and peace.

Credit Hours: 3

## **POLS 343 Social and Political Philosophy**

Considers theories of the nature and legitimacy of the state and its laws. It also deals with topics, such as the rights and responsibilities of citizens, ethics in political decision-making, economic justice, punishment, race and gender oppression, political and cultural identity, and the value and meaning of democracy. Cross listed as PHIL 343, SOCI 335.

Credit Hours: 3

## **POLS 352 American Foreign Policy**

Examines the actors, institutions, and the impact of foreign policy structures and behavior on the US and the world. Issue areas given significant attention include the history of AFP, issues of consensus and conflict, pre- and post-9/11 dynamics, inside and outside actors/influences, the impact of politics on policy, national and homeland security issues relating to foreign relations, and both current and future challenges of American foreign policy.

Credit Hours: 3

## **POLS 354 Model United Nations**

Introduces students to the United Nations as an institution, as well as to many of the problems and challenges faced by the international community that the UN addresses. As part of the course, students attend an off-campus Model United Nations simulation, where they take on the role of a particular country and interact with students from other universities representing different countries. A significant portion of the course content is specific to preparation for this off-campus Model UN simulation. Due to this additional practicum experience, there are additional costs associated with this course.

Credit Hours: 3

## **POLS 355 Model United Nations Practicum**

Allows students to gain college credit for attending the Model United Nations conference. Students must educate themselves about the country they are representing and prepare independently to attend the conference. Students in the Model UN Practicum must periodically liaise with their peers taking the course for the first time, on a to-be-announced schedule. Due to the nature of this experience, there are additional costs associated with this course.

Prerequisite: POLS 354.

Credit Hours: 1

## **POLS 356 War, Peace, and Security**

Examines the nature of international security, including issues related to war and other forms of military and political conflict. Relevant institutions and actors are discussed, as are prominent challenges to peace and security in the international environment. The ethical implications of these challenges are examined, as are the prospects and possibilities for peace and security on the global stage.

Credit Hours: 3

## **POLS 358 Russian Foreign Policy**

Exposes students to the intricacies of formulating, constructing, and executing Russian Foreign Policy, as well as a consideration of the means by which Moscow seeks to achieve its goals on the international stage. Students consider the different sources and challenges of Russian Foreign Policy coming from Russia's unique geographical, historical, and ideational position.

Credit Hours: 3

## **POLS 362 Race, Crime, and Justice**

Explores the connection between the American criminal justice system and race. Attention is given to the nature and impact of the historical and contemporary criminal justice system, public policy, and public opinion. The course focuses on the use of data, theory, and research to understand individual behavior and American institutions.

Credit Hours: 3

## **POLS 365 International Sport and Politics**

Introduces students to connections and influences between politics and international sport (sporting mega events), including state motives and aims in hosting such mega events. The course begins by considering sports in general before looking at international sport, such as the Olympics and the World Cup.

Credit Hours: 3

## **POLS 370 Topics in Political Science**

Provides students with a semester-long study of a topic of interest under the direction of a departmental faculty member. Topical offerings provide an opportunity for intensive study in a field of interest to the student.

Credit Hours: 3

## **POLS 372 Politics in Film**

Uses popular films to introduce important political issues and processes to a broad set of students. Movies are complemented with readings that center discussion on the political issues that emerge from the films.

Credit Hours: 3

## **POLS 380 Topics: Off-Campus Study**

Provides students with an off-campus structured, faculty-led learning experience in the U.S. or abroad.  
Prerequisite: Instructor permission required.

Credit Hours: 3

## **POLS 387 Internship in Political Science**

Involves a supervised work-study experience in a political structure or environment outside the University. Supervised jointly from within the respective political entity and the political science department, the internship may take place in a private organization or business if it deals directly with the organization's involvement with political or governmental affairs.

Credit Hours: 1-3

## **POLS 481 Student/Faculty Collaborative Research in Political Science**

Students work one-to-one with a faculty member on a professional project. The final project/paper will list both the faculty member and the student as co-authors. Students are expected to present their findings with the faculty member at a professional conference. Prerequisite: Instructor permission required.

Credit Hours: 3

## **POLS 490 Senior Seminar**

Students in this team-taught course complete a mini-research project (individual or team-based depending on the type of research being conducted) for each of the four interrelated topics, and practice multiple ways of conducting research and answering questions. The unifying theme is the integration of knowledge. Students approach problems from different disciplinary perspectives, solve them in differentiated ways, and demonstrate how the knowledge they have gained in their major courses can be applied in multiple and diverse settings. Prerequisite: CRMJ 240 or POLS 240

Credit Hours: 3

## **PSYC 101 Introduction to Psychology**

Presents basic concepts in the scientific study of behavior including motivation, sensation and perception, learning, cognition, development, social, and personality.

Credit Hours: 3

## **PSYC 110 Exploring Psychological Science**

Deals with selected topics offered in a seminar format. Prerequisite or co-requisite: PSYC 101, freshman or sophomore standing, and permission of instructor.

Credit Hours: 1

## **PSYC 151 General Experimental Psychology**

Emphasizes fundamental concepts of research. Students conduct classic psychological experiments in perception, cognition, physiological, learning, and social psychology and write lab reports in APA (American Psychological Association) style. Includes a lab. Prerequisite: PSYC 101.

Credit Hours: 4

## **PSYC 205 Child Development**

Presents a systematic study of physical, social, cognitive, and personality development from conception through the elementary school years. Emphasis is on learning different theoretical perspectives. Students are encouraged to complete the one credit course, 220: Preschool Practicum simultaneously. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 208 Lifespan Development**

Is an overview of psychological theories and empirical research used in the study of human development to describe, understand, and explain development from conception to death. Emphasis is placed upon normal growth and milestones achieved in the physical, cognitive, social and emotional systems.

Credit Hours: 3

## **PSYC 220 Preschool Practicum**

Provides supervised experience in the application of psychological principles. Students work in the department's Center for Child Development four hours per week and participate in a variety of in-service training programs. Graded S/U.

Credit Hours: 1

## **PSYC 222 General Practicum**

Provides supervised experience in the application of psychological principles. Students work in one of the department laboratories, an outside laboratory, a counseling center, a mental health clinic, or other human service agency. The course requires four hours of practical experience per week (or 40 clock hours, depending on the placement) and participation in a variety of in-service training programs. Graded S/U. Prerequisite: Permission of instructor.

Credit Hours: 1

## **PSYC 231 Applied Statistics**

Designed for the practical application of descriptive (measures of central tendency and variance) and inferential statistics (t-tests, ANOVAs, correlations, and regressions). The emphasis of the class is on the abilities to use statistical software (excel) to organize data, conduct basic statistical analysis, interpret statistical findings and present statistical results.

Credit Hours: 3

## **PSYC 232 Behavioral Statistics**

Deals with experimental design, statistical analysis, and the mathematics of probability as they are related to the scientific analysis of behavior.

Credit Hours: 3

## **PSYC 281 Physiological Psychology**

Studies the basic principles of brain organization and function. Emphasis is placed on understanding the relationships between brain activity and behavior. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 290 Theories of Personality**

Examines contemporary models used to describe, explain and predict people's behavior, thoughts, and emotions. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 304 Learning and Memory**

Introduces the student to classical and modern concepts of learning and memory across all levels at which learning and memory is studied, in both animals and humans. Topics include the role of the nervous system, behavioral tests of learning and memory, and clinical disorders that affect learning and memory. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 305 Cognitive Psychology**

Investigates mental processes related to the areas of perception, organization, retention, and subsequent use of stimulus information. Specifically, readings address the issues of perception, memory, attention, imagery, thinking, and problem solving. Includes a lab with experiments on computers. Prerequisites: PSYC 101, 151, 232.

Credit Hours: 4

## **PSYC 308 Adolescence and Youth**

Examines the biological, social, personality, and cognitive changes that occur during adolescence and young adulthood. Emphasis is placed on research that is concerned with current challenges adolescents and young adults face. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 309 Adulthood and Aging**

Examines the biological, social, personality, and cognitive changes that occur during adulthood and later years of the human life span. The continuation of development throughout the life span from middle adulthood until death is emphasized. The impact of earlier stages and choices in the life span are discussed as well. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 321 Social Psychology**

Examines psychological principles and concepts involved in causal attribution, social cognition, attitude formation and change, social influence, and interpersonal relationships. Prerequisite: PSYC 101 and one additional psychology course. Cross listed as SOCI 321.

Credit Hours: 3

## **PSYC 351 Advanced Experimental Psychology**

Gives the student experience in applying the scientific method to design and methodological issues in psychology. Emphasis is placed on reading and critiquing research articles and conducting an independent research project. Includes a lab. Prerequisites: PSYC 151, 232, junior standing.

Credit Hours: 4

## **PSYC 359 Psychological Testing**

Provides the knowledge and skills necessary to create a psychological test and evaluate its effectiveness. Test construction, reliability, and validity are explored. Popular measures of personality, intelligence, and attitudes are demonstrated and examined. Includes a lab. Prerequisites: PSYC 101, 232.

Credit Hours: 4

## **PSYC 361 Sensation and Perception**

Surveys the relationship between the various sensory modalities and behavior. The emphasis is on the interaction between such variables as basic sensory neurophysiology, environmental factors, personal experiences, and the ultimate process of perception. Includes a lab. Prerequisites: PSYC 101, 151.

Credit Hours: 4

## **PSYC 363 Abnormal Psychology**

Presents the behavioral, cognitive, and emotional disorders confronted by mental health professionals. Students learn to apply current methods of assessing maladaptive behavior and to use psychological theories to explain psychological problems. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 371 Psychopharmacology**

Begins with an overview of the nervous system and neurotransmitters. The course then focuses on the various classes of legal and illegal drugs by studying their effects on the nervous system and the behavior of animals and humans. Includes a lab. Prerequisites: PSYC 101, 151.

Credit Hours: 4

## **PSYC 390 Counseling Theory and Process**

Is designed to broaden the student's knowledge and understanding of counseling through lectures, readings, and an experiential lab component. The student learns the basic theoretical perspectives of counseling, the fundamental process of counseling, and the relationship between theory and process. The lab component engages the student in rudimentary skill building in the area of counseling. The theories and procedures presented in the course can be adapted to and used in a wide variety of settings, including social work, education, and traditional psychological service settings. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 397 Mental Health Internship**

Requires 80 hours of practical experience and a written report, and is typically completed during the junior year. The internship experience is directed by a departmental advisor and an on-site supervisor with placement in a local human services agency or hospital. Prerequisite: Permission of instructor.

Credit Hours: 2

## **PSYC 398 Research Internship**

Provides opportunity to engage in independent research under the direction of a department faculty member. Students are required to make a final professional report of their findings. Prerequisite: Permission of instructor.

Credit Hours: 2

## **PSYC 399 Developmental/Educational Internship**

Requires 80 hours of practical experience and a written report, and is typically completed during the junior year. The internship experience is directed by a departmental advisor and an on-site supervisor. Placements include human services agencies and schools, or the department's Center for Child Development. Prerequisite: Permission of instructor.

Credit Hours: 2

## **PSYC 406 Psychology of Law**

Examines the relationship between the study of psychology and the legal system including the role of the psychologist as an expert witness, the psychological research on eyewitness testimony, scientific jury selection, and

jury decision making. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 409 Topics in Psychology**

Deals with selected topical courses offered in a seminar format.

Credit Hours: 3

## **PSYC 419 Readings in Psychology**

1-3 depending on the semester offering. Offers the student an opportunity to read extensively and discuss with department faculty topics not offered as part of the existing psychology curriculum. Prerequisite: Junior or senior standing and permission of the instructor; prerequisites may vary for different classes.

Credit Hours: 1-3

## **PSYC 430 Psychology of Injury**

Is designed to explore theories associated with the psychological ramifications, reactions, and adjustments required following a sport injury. Students will explore the various assessments and intervention opportunities available for coaches, athletic trainers, and sport psychology professionals. Prerequisite: PSYC 101.

Credit Hours: 3

## **PSYC 493 Comprehensive Review**

Is a weekly review of current research and student projects. Students write and present research proposals that serve as the basis for their senior studies project. Required of all senior psychology majors, the course is completed when the student submits an acceptable literature review with a research proposal and passes a standardized, comprehensive examination in psychology. Prerequisite: PSYC 351; senior standing in psychology.

Credit Hours: 2

## **PSYC 495 Senior Studies**

Continues a weekly review of current research and student projects in addition to an independent study program that provides opportunities to practice inquiry and discovery while intensively researching some fundamental issue or problem in behavior. The individualized studies culminate in an empirical investigation, a written report, a poster, and an oral presentation to the department. The course is an extension of the Comprehensive Review projects which are continually presented during weekly review sessions. Prerequisite: Senior standing in psychology and completion of the research proposal for PSYC 493.

Credit Hours: 2

## **PBRL 201 Introduction to Public Relations**

Examines contemporary public relations practice, values, and principles; explores professional ethics, strategy, planning, and tactics of effective public relations practice; and surveys the goals and practices of major settings for public relations.

Credit Hours: 3

## **PBRL 315 Case Studies and Campaigns**

Examines contemporary public relations case studies to test theories, illustrate challenges, and observe tactics and strategies. Explores the creation and implementation of public relations campaigns through applied skills in research, analysis, and planning.

Credit Hours: 3

## **PBRL 399 Internship**

Involves a supervised experience in the student's major. The program is closely supervised by faculty members and an on-site director. Credit counts as 3 of the 16 internship hours which may be applied to graduation requirements. Graded S/U. Prerequisite: Junior standing, 2.5 GPA and instructor permission. Cross listed as DMD 399, JOURN 399, MEDIA 399.

Credit Hours: 3

## **PBRL 495 Seminar**

Exposes students to an intensive study in a selected area of emphasis. The first four weeks are devoted to the development of a project prospectus. The remainder of the semester is given to independent study under the guidance of an appropriate instructor. Prerequisite: COMM 360.

Credit Hours: 3

## **RELG 150 Biblical Theology**

Surveys major biblical writings to discern the patterns they present about God, God's acts and God's purposes. Special attention is given to ways of reading the Bible that give priority to its literary and cultural contexts.

Credit Hours: 3

## **RELG 153 World Religions**

Studies the principal doctrines, historical development, and contemporary practice of the major traditions.

Credit Hours: 3

## **RELG 220 History of Christianity: Ancient and Medieval**

Studies Christianity from its origins to the Reformation. Key people, events, ideas, and the relationship of the church to the world in which it existed are examined.

Credit Hours: 3

## **RELG 226 History of Christianity: Reformation and Modern**

Studies Christianity from the beginning of the Reformation in the sixteenth century to the present. Key people, events, ideas, and the relationship of the church to the world in which it existed are examined.

Credit Hours: 3

## **RELG 251 The World of Islam**

Studies the central doctrines, historical development, and current practice of Islam.

Credit Hours: 3

## **RELG 252 The Judeo-Christian Tradition**

Surveys in historical context the western religions of Judaism and Christianity. Special attention is given to modern manifestations of these two great religious traditions.

Credit Hours: 3

## **RELG 253 Ethics, Reason, and the Bible**

Explores the ethical systems found in the Bible.

Credit Hours: 3

## **RELG 260 Introduction to Christian Theology**

Studies the central doctrines of Christianity as they have developed through the history of the church. Key points of discussion and major thinkers are covered, and students are led to identify and articulate their stance with regard to each doctrine. The contemporary theological scene is introduced as well.

Credit Hours: 3

## **RELG 261 Women and the Bible**

Explores the often ambivalent relationship between women and the Bible. It examines what the Bible says about women, how women are portrayed in biblical texts, and how women readers have broadened our understanding of the Bible.

Credit Hours: 3

## **RELG 290 Topics in Religious Understanding**

Examines a particular topic relevant to religious understanding, chosen by the instructor, that will enable students to probe the important ways in which religion impacts their lives and the lives of others.

Credit Hours: 3

## **RELG 301 Old Testament Literature**

Studies the library of books bequeathed to us in words from ancient Israel. Through literary and historical criticism the message of the Law, the Prophets, and the Writings is discovered in the world of biblical literature.

Credit Hours: 3

## **RELG 302 History and the Bible**

Studies the physical, cultural, and literary remains that help us understand and interpret Old and New Testament literature.

Credit Hours: 3

## **RELG 303 New Testament Literature**

Studies the library of books bequeathed to us in words from the early Christian church. Through literary and historical criticism the message of the Gospels, the Acts of the Apostles, the Letters, and the Revelation is discovered in the world of biblical literature.

Credit Hours: 3

## **RELG 304 Jesus in the New Testament**

Studies the person and work of Jesus as presented in the entire New Testament.

Credit Hours: 3

## **RELG 342 Religions and Philosophies of Asia**

Deals with the different forms of religious belief around the world—especially Hinduism, Buddhism, Confucianism, Taoism, Shintoism, and Islam. Cross listed as PHIL 342.

Credit Hours: 3

## **RELG 352 Religion and Film**

Examines how religious perspective influences the way film is made and understood. This course engages in the cross-cultural examination of religions and cinema. Offered in alternate years.

Credit Hours: 3

## **RELG 353 Religion and Gender**

Explores cross-cultural religious communities by focusing on the interplay between religion and gender. Special consideration is given to the role of myths and symbols in determining power and gender relations.

Credit Hours: 3

## **RELG 356 Death and Dying in the World Religions**

Studies the ways various religions deal with death and dying. Attention is paid to beliefs and practices of contemporary religious practitioners.

Credit Hours: 3

## **RELG 360 Topics in Religion**

Allows students to explore special areas of religious study in more depth than regular course offerings can provide.

Credit Hours: 1-3

## **RELG 385 Teaching Christian Education**

Studies the aims, curriculum, methods, and materials of Christian education. Prerequisites: RELG 301 or 303 or 304, EDUC 112.

Credit Hours: 3

## **RELG 393 Global Issues and Values**

Surveys selected natural issues (such as energy, population, and food supply), political issues (such as human rights, refugees, peace) and particular problems (such as those concerning the Palestinians, South Africa, multi-national corporations)—asking what values are operative and what values are required for responsible citizenship in the global village.

Credit Hours: 3

## **RELG 395 World Mythology**

Focuses on myths and mythic categories important to religions around the world. This course is a cross-cultural examination of contemporary and classical myths from diverse cultures.

Credit Hours: 3

## **RELG 397 Internship in Christian Education**

Provides the opportunity to work under supervision in a church, school, or other agency during one semester or in the summer. Open to juniors and seniors. Prerequisites: Educ 110 and two courses in religion.

Credit Hours: 2

## **RELG 398 Internship in Religion**

Provides a supervised experience in which a student works in a multifaith context, a religious organization or non-profit agency, or a chaplaincy context (correctional institute, military, hospital or higher education). The aim is to allow students to use religious knowledge in paid vocational contexts. The course number sequence allows for internship covering up to two semesters, consecutive or non-consecutive. Must be approved and supervised by

instructor with relevant content background to the internship. Students must have taken appropriate courses relevant to the internship.

Credit Hours: 1-2

## **RELG 399 Continuing Internship in Religion**

Provides a supervised experience in which a student works in a multifaith context, a religious organization or non-profit agency, or a chaplaincy context (correctional institute, military, hospital or higher education). The aim is to allow students to use religious knowledge in paid vocational contexts. The course number sequence allows for internship covering up to two semesters, consecutive or non-consecutive. Must be approved and supervised by instructor with relevant content background to the internship. Students must have taken appropriate courses relevant to the internship.

Credit Hours: 1-2

## **RELG 401 Directed Readings in Religion**

Provides the opportunity for intensive reading in areas of religion selected in consultation with the department.

Credit Hours: 1-3

## **RELG 494 Senior Studies in Christian Education**

Provides the opportunity for study and writing in a major area of religious education.

Credit Hours: 2

## **RELG 495 Senior Seminar Research in Religion**

Involves research necessary for the completion of the senior seminar. Such preliminary research includes extensive reading, compilation of a bibliography, composition of a thesis statement, and the creation of an initial outline. Students are asked to demonstrate their progress in regular meetings with the instructor and/or department.

Credit Hours: 1

## **RELG 496 Senior Seminar**

Involves writing an extensive research paper on a focused topic. Students are asked to demonstrate their progress in regular meetings with the instructor and/or department. This course culminates in an oral defense of the project. Prerequisite: RELG 495.

Credit Hours: 3

## **SOCI 101 The Sociological Perspective**

Provides an introduction to the traditions, concepts, and methods of social inquiry. Students examine such topics as culture, social interaction, deviance, inequality, and social change.

Credit Hours: 3

## **SOCI 120 Perspectives in Multicultural Leadership**

Provides an opportunity for students to examine leaders in the community and identify their own strengths to assist others. Through service-oriented action, students come to a greater understanding of being socially responsible in a multicultural setting. Prerequisite: Completion of LEAP Workshop or permission of instructor.

Credit Hours: 1

## **SOCI 216 Social Problems in Contemporary America**

Examines the origins and consequences of some of the major social problems and dilemmas facing Americans today. Behavior related to problems such as race, class and gender, chemical dependency, sexual variation, crime, and the environmental crisis are studied from the sociological perspective.

Credit Hours: 3

## **SOCI 270 American Corrections**

Uses a sociological perspective to examine the history, institutions, and practice of American corrections; specifically, issues of incarceration, probation, prisoner release, and criminal justice are covered. Prerequisite: SOCI 101. Cross listed as CRMJ 270.

Credit Hours: 3

## **SOCI 301 American Society: Class and Culture**

Surveys some of the major theories and scholarly studies on social stratification, national power structure, and corporate culture. Prerequisite: SOCI 101 or 216.

Credit Hours: 3

## **SOCI 320 Racial and Cultural Minorities**

Examines the way in which certain groups in society are defined as minorities and subjected to discrimination. The social-psychological, historical, cultural, and sociological sources of prejudice and discrimination are covered as well as the dynamics of change in relations between dominant and minority groups. Prerequisite: SOCI 101.

Credit Hours: 3

## **SOCI 321 Social Psychology**

Examines psychological principles and concepts involved in causal attribution, social cognition, attitude formation and change, social influence, and interpersonal relationships. Prerequisite: PSYC 101 and one additional psychology course. Cross listed as PSYC 321.

Credit Hours: 3

## **SOCI 330 Human Sexuality**

Explores the social influences that impact concepts of sex, sexuality, reproduction and gender. Emphasis is placed on historical, political, global and technological issues. The course also includes fundamental instruction in reproductive anatomy and physiology. Prerequisite: SOCI 101.

Credit Hours: 3

## **SOCI 335 Social and Political Philosophy**

Considers theories of the nature and legitimacy of the state and its laws, the rights and responsibilities of citizens and groups, ethics in political decision-making economic justice, punishment, race and gender oppression, the nature and value of political and cultural identity, and the value and meaning of democracy. Cross listed as PHIL 343, POLS 343.

Credit Hours: 3

## **SOCI 336 Russian Politics and Society**

This course introduces students to political and social issues in the Russian Federation of democratization, nation-building, and building capitalism from the ground up. The course recaps Russian and Soviet history before discussing some of the issues the country faces. These issues include territorial disintegrated, ethnic conflict, demographic change, gender roles, corruption, and other issues of contemporary significance. Cross Listed with POLS-336.

Credit Hours: 3

## **SOCI 342 Gender, Film, and Society**

Applies a sociological lens to gendered aspects of film and their societal correlates. Prerequisite: SOCI 101.

Credit Hours: 3

## **SOCI 345 Sociology of the Family**

Examines the various forms and functions of the family in the United States as well as other cultures. The developmental cycle of the family is followed through mate-selection, marriage, parenthood, and old age. Family change is also analyzed by covering such topics as industrialization and sex roles. Prerequisite: SOCI 101.

Credit Hours: 3

## **SOCI 350 Social Change in an International Perspective**

Focuses on the international aspects of social change such as the gap between the rich and poor countries, social movements in Third World countries, and the theoretical perspectives that illuminate and explain such change. Case studies are drawn from current events. Prerequisite: SOCI 101 or ANTH 201.

Credit Hours: 3

## **SOCI 352 Selected Topics in Sociology**

Presents an opportunity to read and discuss in depth topics not covered or only partially covered in regular courses. Prerequisite: SOCI 101 or ANTH 201.

Credit Hours: 3

## **SOCI 360 Social Research Methods**

Introduces the student to the research process through the analysis of research designs and the various methods of collecting data and of drawing inferences from that data. Emphasis is placed on practical experience in developing research skills. Prerequisite: SOCI 101 or ANTH 201.

Credit Hours: 3

## **SOCI 369 Peacemaking**

Takes a multidisciplinary approach towards peacemaking. This course moves back and forth between personal applications in one's daily life on the one hand and more academic applications of the social sciences (sociology, anthropology, history, psychology and criminal justice) and humanities on the other. Emphasis on writing and class discussion.

Credit Hours: 3

## **SOCI 370 Environmental Sociology**

Constructs a framework for the study of how cultures and societies influence and in turn are shaped by the natural environment. Prerequisite: SOCI 101.

Credit Hours: 3

## **SOCI 380 Visual Sociology**

Explores documentary filmmaking as a method of sociological research. Documentary filmmaking is of increasing interest to sociologists as an effective form of public sociology, activist sociology and sociology as a form of service learning that involves sociologists and students in community issues.

Credit Hours: 3

## **SOCI 418 Deviance and Crime**

Surveys trends and theories of criminal behavior and crime control. Major emphasis is on the relationship between social and cultural patterns and deviant behavior. Prerequisite: SOCI 101; 216 recommended.

Credit Hours: 3

## **SOCI 422 Sociological Theory**

Offers a descriptive and analytical survey of intellectual traditions and trends in the discipline of sociology from its origin to the present. Prerequisite: SOCI 101.

Credit Hours: 3

## **SOCI 490 Round Table**

Encourages free and open conversation between students and faculty on sociological issues and applications. Graded S/U. Prerequisite: 15 hours in sociology/anthropology.

Credit Hours: 1

## **SOCI 495 Senior Studies**

Provides an opportunity for the student to engage in the groundwork for guided independent study on an approved topic. Prerequisite: SOCI 101 or Anth 201.

Credit Hours: 2

## **SOCI 496 Senior Studies**

Enables the student to complete a guided independent study on an approved topic. Prerequisite: SOCI 495.

Credit Hours: 2

## **SPAN 111 Beginning Spanish I**

Is designed to develop listening, speaking, writing, and reading skills in Spanish as well as cultural competency in the Hispanic world. This course is intended for students with no prior knowledge of Spanish or those who have had two years or less of high school Spanish.

Credit Hours: 3

## **SPAN 112 Beginning Spanish II**

Is designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish as well as cultural competency in the Hispanic world. Students meet once a week with a language assistant from Latin America or Spain. Prerequisite: SPAN 111 or 2-3 years of high school Spanish.

Credit Hours: 4

## **SPAN 123 Explorations in Hispanic Literature in English Translation**

Is taught entirely in English. The course includes a variety of literary genres from a cross-section of Hispanic countries. Emphasis is on significant literary works ranging from the earliest to the most modern.

Credit Hours: 3

## **SPAN 211 Intermediate Spanish I**

Continue the development of interpersonal, interpretive, and presentational skills through a variety of texts (journalistic, short story, poetry, advertising, film, etc.) that reflect the cultural, social, and linguistic diversity of the Hispanic world. Students explore the diversity of practices, products, and perspectives found within contemporary Spanish-speaking societies. Topics may include gender, multiculturalism, ethnicity, family, religion, literature, art, music, gastronomy, education, economics, and politics. Students meet once a week with a language assistant from Latin America or Spain. Prerequisite: SPAN 112 or its equivalent.

Credit Hours: 4

## **SPAN 212 Intermediate Spanish II**

Continue the development of interpersonal, interpretive, and presentational skills through a variety of texts (journalistic, short story, poetry, advertising, film, etc.) that reflect the cultural, social, and linguistic diversity of the Hispanic world. Students explore the diversity of practices, products, and perspectives found within contemporary Spanish-speaking societies. Topics may include gender, multiculturalism, ethnicity, family, religion, literature, art, music, gastronomy, education, economics, and politics. Students meet once a week with a language assistant from Latin America or Spain. Prerequisite: SPAN 211 or its equivalent.

Credit Hours: 4

## **SPAN 240 Business Spanish**

Introduces the language and culture of business in a Hispanic context. Topics include marketing, banking, accounting, trade, business communication, and the role of government. Prerequisite: SPAN 212, its equivalent, or permission of the instructor.

Credit Hours: 3

## **SPAN 251 Spanish Table**

Is a weekly meeting designed to increase or maintain fluency and to expand vocabulary. The course may be taken up to three times for credit but applied to the major or minor only twice. Prerequisite: SPAN 111 or its equivalent.

Credit Hours: 1

## **SPAN 291 Advanced Spanish Table**

Is a weekly meeting designed to expand vocabulary and increase the speaking proficiency of students at or above the advanced-intermediate level. Maximum number of Spanish Table classes (251, 291, or a combination) that may be taken for credit: three. Maximum number of Spanish Table classes that can be applied to the 33 hours required for the major: two (can consist of two 251s; two 291s, or one of each). Prerequisite: SPAN 212, its equivalent or permission of instructor.

Credit Hours: 1

## **SPAN 301 Advanced Spanish: Conversation and Pronunciation**

Emphasizes listening and speaking skills through laboratory practice, class discussion, and other activities and includes a selected grammar review. Prerequisite: SPAN 212, its equivalent, or permission of the instructor.

Credit Hours: 3

## **SPAN 302 Advanced Spanish: Grammar and Composition**

Combines a writing course with a review of Spanish grammar. Given different contracts, the course may be taken twice for credit. Prerequisite: SPAN 212, its equivalent, or permission of instructor.

Credit Hours: 3

## **SPAN 303 Panoramas of Hispanic Literature I**

Introduces major literary movements, principal writers, and outstanding works of Spanish peninsular literature. Prerequisite: SPAN 302 or permission of instructor.

Credit Hours: 3

## **SPAN 304 Panoramas of Hispanic Literature II**

Introduces the major literary movements, principal writers and outstanding works of Latin American and literatures by Hispanics in the United States. Prerequisite: SPAN 302 or permission of instructor.

Credit Hours: 3

## **SPAN 310 Study Abroad Seminar**

Satisfies the study abroad requirement for the major. Students attend preparatory meetings and participate in assignments designed to maximize the value of the required study abroad experience. Before departure, students engage in readings and discussions. After study abroad, students submit a reflection paper and/or assigned written work related to their formal and informal learning gained during the stay.

Credit Hours: 1

## **SPAN 325 Hispanic Civilization**

Explores the geographic, ethnic, and cultural diversity of the Spanish-speaking world including the Hispanic heritage of the United States. The course may be repeated for credit as the subject matter changes. Prerequisite: SPAN 212, its equivalent, or permission of instructor.

Credit Hours: 3

## **SPAN 350 Hispanic Cinema in English**

Covers Hispanic Cinema in all of the Spanish-speaking regions: Spain, Latin America, and Hispanics in the U.S. The history of Hispanic cinema is first studied through the development of Spain's major directors from BuZuel to Almodóvar. This portion of the course establishes an understanding of cinematic techniques and narrative structure which will then be applied to films from a variety of Latin American countries and Hispanic communities. Common themes, such as socio-political structures, repression, gender, and artistic expression, unify and direct the study of cultural contents. Taught in English.

Credit Hours: 3

## **SPAN 360 Topics in Hispanic Language and Culture**

Provides an opportunity to study a linguistic, literary, or cultural topic related to the Spanish-speaking world. Courses in topical areas not offered in the regular curriculum may be offered on a rotating basis. The course may be repeated for credit as subject matter changes. Prerequisite: Sophomore standing and permission of instructor.

Credit Hours: 1-3

## **SPAN 431 Hispanic Culture Seminar**

Provides the advanced student an opportunity to study in depth an aspect of Hispanic culture, which may include: literature, art, business culture, or another approved topic. The course serves as a capstone for the Spanish major. Prerequisite: Two Spanish courses numbered above SPAN 302 (one of which must be 303 or 304) or permission of instructor.

Credit Hours: 3

## **SPST 105 Introduction to Sports Analytics**

Is designed to provide the foundations of statistics through the study of sports. Topics include both descriptive and inferential statistics and probability theory. Emphasis is placed on critical thinking in the use of statistics to make

decisions.

Credit Hours: 3

## **SPST 201 Facility Management**

This course will introduce management theories and provide practical experiences in the design, development, operation, maintenance and administration of various recreational facilities. This course will examine a variety of sport events and venues such as indoor stadiums, athletic field complexities, and community facilities. Management topics will include but are not limited to personnel communication, risk management, budgeting, and the management of physical resources.

Credit Hours: 3

## **SPST 202 Sports Governance**

This course will provide an overview of governance structures within professional and amateur sport organizations. Students will explore policy elements and issues within scholastic, amateur, campus recreation, intercollegiate athletics, professional sport, and Olympic sport. This course will examine the mission, structure and function of sport governing bodies such as the NCAA, NAIA, Professional player's associations, and the IOC.

Credit Hours: 3

## **SPST 203 Foundations of Athletic Skill**

This course instructs the fundamental skills of the individual sports of archery, badminton, bowling, dance, racquetball, and tennis. Instructs fundamental skills of the team sports of basketball, soccer/speedball, softball, volleyball, field hockey (women), and football (men). Special emphasis is placed upon instruction and practice to allow for development of participants skill level.

Credit Hours: 3

## **SPST 210 First Aid and CPR**

This course is designed to prepare students in administering immediate care to the injured and suddenly ill and to provide temporary care until medical help arrives. Students have the opportunity to earn First Aid and CPR certification from Red Cross or the American Heart Association.

Credit Hours: 3

## **SPST 221 Athletics Communication**

Introduces the field of athletic communications and the role it plays in intercollegiate and professional athletics. The course deals with the workings and process behind executing proper techniques of sports information and media relations.

Credit Hours: 3

## **SPST 240 Sports Media**

Exposes students to the craft of sports journalism, from print to online to social media to broadcast. Students will learn to develop sources, understand different forms of stories, how to write, report and analyze sports.

Credit Hours: 3

## **SPST 321 Athletics Communication Technology**

Focuses on developing the skills needed to manage NCAA events using the latest communication innovations available for collegiate athletics. Prerequisite: SPST 221

Credit Hours: 3

## **SPST 341 Sports Planning and Promotion**

Focuses on special event planning, processes, and management practices. Students develop the skills necessary to manage all aspects of a sporting or special event, including planning and logistics, scheduling and marketing, and risk management and security.

Credit Hours: 3

## **SPST 344 Legal Issues in Sport**

Provides an introduction to the major legal factors influencing sports and athletics, including gender and Title IX; safety, risk management, and liability; children, special populations, and ADA compliance, and employment issues.

Credit Hours: 3

## **SPST 355 Sports Ethics**

This course explores the various ethical issues in the area of sport and athletics. The class presents the framework for arriving at ethical decisions and actions, while uncovering the pressures to act in an unethical manner.

Credit Hours: 3

## **SPST 401 Athletics Communication Practicum**

Provides hands-on experience in the athletics communication field. Working in professional settings, students hone the skills they learned in their preparatory classes. Prerequisite: Permission of Instructor.

Credit Hours: 1

## **SPST 402 Sport Administration Practicum**

Provides hands-on experience in the sport administration field. Working in professional settings, students hone the skills they learned in their preparatory classes. Prerequisite: Permission of Instructor.

Credit Hours: 1

## **SPST 403 Coaching Practicum**

Provides hands-on experience in the sports coaching field. Working in professional settings, students hone the skills they learned in their preparatory classes. Prerequisite: Permission of Instructor.

Credit Hours: 1

## **SPST 418 Coaching Team Sports**

This course will provide an overview of the concepts that are essential in the preparation of sport coaching. Students will evaluate the current theoretical perspectives in the field of sport psychology and critically evaluated the current research in coaching sports. Topics include developing a coaching philosophy, evaluating theories in motivation, understanding team dynamics, communicating effectively, and improving player performance.

Credit Hours: 3

## **SPST 441 Sports Management**

This course involves the study of sports business from a managerial and marketing perspective. Studies include the concepts, tactics, and issues across two main thrusts in sports business: (1) the managing and marketing of goods and services directly to consumers of sports, and (2) the managing and marketing of other consumers and industrial goods and services through the use of sport promotion. Prerequisites: BUSI 221, 241.

Credit Hours: 3

## **SPST 490 Coaching Colloquium**

This course will provide essentials for preparing to coach in a K-12 setting. Students will complete training in topics such as concussions in sports, fundamentals of coaching high school sports, sport injury prevention, sudden cardiac arrest and other topics. Successful completion of the course will aid in students being able to obtain OHSAA Coach Certification.

Credit Hours: 1

## **SPST 495 Seminar in Athletics Communication**

This is the capstone course for students completing the athletics communication major. The students engage in an in-depth research study that links their general course work, their specialized training and their clinical experience. Topics are selected in consultation with the supervising faculty member. Prerequisite: Permission of instructor.

Credit Hours: 3

## **SPST 496 Seminar in Sport Administration**

The capstone course for students completing the sport administration major. The students engage in an in-depth research study that links their general course work, their specialized training and their clinical experience. Topics are selected in consultation with the supervising professor. Prerequisite: Permission of instructor.

Credit Hours: 3

## **THEA 103 Projects in Theatre**

Provides laboratory or workshop experiences in technical theatre, design, acting, directing, theatre management history, or criticism. Registration is by permission of production directors. Restrictions: maximum of two hours per year; maximum of four hours toward major or minor. Graded S/U. Exception: concurrent enrollment in THEA 403 and THEA 496 requires a letter grade.

Credit Hours: 1

## **THEA 151 Introduction to Theatre**

Surveys theatre history and the arts of acting, directing, designing, playwriting, and criticism for a greater understanding of theatre in the world.

Credit Hours: 3

## **THEA 203 Projects in Theatre**

Provides laboratory or workshop experiences in technical theatre, design, acting, directing, theatre management history, or criticism. Registration is by permission of production directors. Restrictions: maximum of two hours per year; maximum of four hours toward major or minor. Graded S/U. Exception: concurrent enrollment in THEA 403 and THEA 496 requires a letter grade.

Credit Hours: 1

## **THEA 205 Portfolio Review**

Assists students in creating, presenting and discussing a professional, digital technical portfolio as preparation for professional technical interviews. May be repeated once for credit.

Credit Hours: 1

## **THEA 223 Auditioning**

Examines audition technique for monologues, cold readings, improvisation, and vocal performance. Students prepare headshots and resumes, develop a repertoire of monologues and songs, and audition for professional employment. May be repeated once for credit.

Credit Hours: 1

## **THEA 230 Stage Management**

An overview of the duties and work of a stage manager in the theatrical process. Students will learn to create the tools utilized by a working stage manager and gain an understanding of the role of a stage manager in the theatrical process. This course is recommended for a student interested in management, directing, or technical theatre.

Credit Hours: 3

## **THEA 245 Technical Production**

Involves students through lecture and laboratory work in the technical process of creating theatre. Topics include: reading working drawings and interpreting design, basic carpentry, painting, props technology, sewing, elementary lighting technology, general problem solving, and the safe and proper use of all equipment needed to complete production tasks. Participation in theatre productions is required.

Credit Hours: 3

## **THEA 265 Design I: Explorations in Theatre Design**

An introductory exploration of the role of design in the theatrical process. The class will focus on interpreting theatrical works through visual research, storytelling, and communication, as well as the initial tools used in each area of design to create and explain these stories. Students will be given hands on experience in all areas of design and will be given the tools needed to choose an area of focus for a final project in Scenic, Costume, or Lighting Design. At the end of the semester they will complete a basic design packet and portfolio in their area of choice.

Credit Hours: 3

## **THEA 275 Acting I**

Examines acting through theories and exercises. Scene study is designed to enable students to create a role for the stage. This is a process-oriented course, which provides the student with a foundation of script analysis and creative skill.

Credit Hours: 3

## **THEA 285 Dance for Musical Theatre**

Explores various dance genres appropriate for application in musical theatre. The student studies the historic application of the genre and choreographs and executes/performs music theatre dance styles. The course examines different sets of styles during a three-semester rotation. The course may be repeated with a maximum of four hours counting toward a music theatre minor or theatre major. A maximum of six hours may be counted toward graduation.

Credit Hours: 1-3

## **THEA 303 Projects in Theatre**

Provides laboratory or workshop experiences in technical theatre, design, acting, directing, theatre management history, or criticism. Registration is by permission of production directors. Restrictions: maximum of two hours per year; maximum of four hours toward major or minor. Graded S/U. Exception: concurrent enrollment in THEA 403 and THEA 496 requires a letter grade.

Credit Hours: 1

## **THEA 314 Acting II**

Continues to explore acting through theories, exercises, and scene study. Students examine a variety of acting styles, approaches, and genres. Prerequisite: THEA 275.

Credit Hours: 3

## **THEA 316 Improvisation**

Examines the skills and techniques used in improvisational theatre performance. Students build acting skills through exercises, solo work, as well as ensemble activity.

Credit Hours: 3

## **THEA 350 A History of Film**

Surveys the history and nature of film with emphasis upon the American contribution to film art, genres, acting, directing, and cinematography.

Credit Hours: 3

## **THEA 351 World Theatre History**

Focuses on the historical development of theatrical production. Examines dramatic tradition from Greek origins, observes its evolution through history, and traces the progress of theatrical styles throughout the world. Primary source documents highlight the contributions of major critics and theorists of theatrical tradition.

Credit Hours: 3

## **THEA 352 Dramatic Literature**

Closely examines representative dramatic literary texts. Particular consideration is given to the application of literature on stages and examining plays for a better understanding of our vast theatrical and cultural heritage.

Credit Hours: 3

## **THEA 356 Playwriting**

Introduces the basic techniques of structure and dialogue in writing a play. Students experience writing, reading, and revising performance work.

Credit Hours: 3

## **THEA 360 American Musical Theatre: Structure and History**

An exploration of the development and history of the American musical and its impact on theatre in the United States and abroad. Students will study the evolution of the art-form in order to understand the structure of musical script, and will be given the opportunity to start developing their own musical.

Credit Hours: 3

## **THEA 365 Design II: Intermediate Studies in Theatre Design**

An intermediate study in theatre design. Students will choose from Scenic, Costume, or Lighting/Sound Design and will progress in their studies from Design I. Topics include but are not limited to advanced visual research, period styles, portfolio creation, sketching and rendering, as well as design area-specific tools. Prerequisite: THEA 265 or permission of the instructor.

Credit Hours: 3

## **THEA 375 Directing I**

Examines the art of directing through theories and procedures of production, including preliminary applied playscript analysis. Offers introductory experience through the application of the tools of picturization, composition, and movement in the production of several in-class scenes. Prerequisites: THEA 245, 275.

Credit Hours: 3

## **THEA 381 Selected Readings in Theatre**

Introduces a variety of theatre genres. May be repeated twice for credit as content changes.

Credit Hours: 1-3

## **THEA 383 Professional Studies in Theatre**

Provides field experiences between semesters and during the summer.

Credit Hours: 3

## **THEA 395 Special Topics in Theatre**

Focuses upon a variety of subjects in theatre. Topics such as theatre management may be offered. May be repeated once for credit as content changes.

Credit Hours: 1-3

## **THEA 403 Projects in Theatre**

Provides laboratory or workshop experiences in technical theatre, design, acting, directing, theatre management history, or criticism. Registration is by permission of production directors. Restrictions: maximum of two hours per year; maximum of four hours toward major or minor. Graded S/U. Exception: concurrent enrollment in THEA 403 and THEA 496 requires a letter grade.

Credit Hours: 1

## **THEA 414 Directing II**

Rigorously studies theories and applications of directing. Students undertake sustained collaborative projects, experience the process of developing personal style, and explore varied techniques and diverse styles of production. Prerequisite: THEA 375.

Credit Hours: 3

## **THEA 465 Design III: Advanced Studies in Theatre Design**

Building on the studies of Design I and II, Design III is for the advanced theatre student. Students will continue studies in research and storytelling, as well as studio work, creating the tools needed to communicate a design in their area of focus. The goal of this course is to prepare a student to assist on a departmental production or design a small production when available. Topics include portfolio building, advanced research, technical theatre procedure and elements, sketching and rendering, as well as area-specific topics. Prerequisite: THEA 245, 365 or permission of the instructor.

Credit Hours: 3

## **THEA 494 Methods of Teaching Drama/Theatre**

Introduces a candidate for teacher certification in drama/theatre to classroom methods and materials necessary for teaching the theatre discipline.

Credit Hours: 2

## **THEA 495 Independent Study in Research**

Intensively examines a selected theatre area: design, acting/directing, or history/criticism. Students develop a project prospectus in the first four weeks and spend the remainder of the semester in an independent study guided by a faculty member. May be repeated once for credit.

Credit Hours: 3

## **THEA 496 Independent Study in Performance**

Provides students who have developed approved projects in THEA 495 with an intensive period of production and performance in the areas of design, acting, and directing. Prerequisite: THEA 495 and departmental approval.

Credit Hours: 2

## **WRLD 200 Cross-Cultural Communication**

Examines communication across cultures, including traditional and contemporary definitions of culture, culture and identity, how culture affects perception, variables that act as barriers to successful communication, nonverbal communication cues, theories of culture and theories of communication, dominant American cultural patterns, immigration and acculturation, cultures within cultures, and the lasting effects of contact on cultures. Concepts are illustrated by examples from multiple cultures.

Credit Hours: 3

## **WRLD 250 Introduction to Second Language Acquisition**

Introduces students to the basic theories of how humans learn languages. A basis in first language acquisition learning will be built on theories posited by Skinner, Piaget, Chomsky, and Vygotsky. These theories then lead to an examination and understanding of how learners acquire second languages, including elements of the first and second languages that influence one another.

Credit Hours: 3

## **WRLD 300 TEFL Methods and Approaches**

Explores the field of teaching English as a foreign language from the perspective of the latest instructional methods and approaches. While relating to general theories from the field of second language acquisition, the course focuses specifically on their application in foreign language environments (i.e., countries where English is not spoken as a native language and/or does not have official or semi-official status).

Credit Hours: 3

## **WRLD 360 Topics in World Language and Culture**

Provides an opportunity to study a topic of interest related to world languages and cultures. Courses in topical areas not offered in the regular curriculum may be offered on a rotating basis. The course may be repeated for credit as subject matter changes. Prerequisite: Sophomore standing and permission of instructor.

Credit Hours: 1-3

## **WRLD 375 English for TEFL**

Focuses on English grammar and structural components specifically related to students learning English as a second language. In order to be effective EFL teachers, students must have a strong grasp of the grammatical and structural concepts that challenge English Language Learners (ELLs). The course focuses on the metalanguage of English grammar and highlights grammatical and structural concepts with which ELLs typically have difficulty. Methods and strategies of teaching grammar to EFL students are also studied.

Credit Hours: 3

## **WRLD 397 Methods in Teaching World Languages**

Deals with the theory, methods, and techniques of foreign-language teaching at the pre-K through 21 levels. Does not count toward required hours for language majors. Candidates are required to observe public school classes at a minimum of two different levels in their language(s) of licensure. A minimum of ten hours must be logged in language classes, and the field experience needs to culminate in a minimum of two in-class microteaching experiences under the supervision of the classroom teacher. The classroom teacher is asked to fill out a feedback form for each microteaching lesson. Candidates write a self-assessment including a reflection on the classroom teachers' feedback. Contact department chair for schedule of offering.

Credit Hours: 3