



UNIVERSITY OF WISCONSIN

Colleges

The freshman/sophomore UW campuses

UW-BARABOO/SAUK COUNTY :: UW-BARRON COUNTY

UW-FOND DU LAC :: UW-FOX VALLEY

UW-MANITOWOC :: UW-MARATHON COUNTY

UW-MARINETTE :: UW-MARSHFIELD/WOOD COUNTY

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www.baraboo.uwc.edu

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UW-Washington County

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Course Descriptions

Although no single UW Colleges campus offers every course, each campus offers the essential liberal arts general education curriculum to prepare students for transfer to bachelor's degree programs with a major in almost any field they choose. Check out the campus course schedule to learn which courses are offered at a particular UW Colleges campus.



COURSE DESCRIPTIONS

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Abbreviations for Associate Degree Designations

AP	Application and Performance
EL	Elective
ES	Ethnic Studies (also may be designated in course schedule)
FA	Fine Arts
HU	Humanities
IS	Interdisciplinary Studies (also may be designated in course schedule)
LS	Laboratory Sciences
MS	Mathematical Sciences
NS	Natural Sciences
SS	Social Sciences

Prereq: Prerequisite

Cons. instr.: Consent of Instructor

* Asterisk indicates a special topics course or an independent study which will be assigned an Associate degree designation based on course content each time it is offered. Check the campus course schedule.

Distance Education Courses

The UW Colleges offers Distance Education courses to students using three different modes of delivery: compressed video, Wisline Web, and totally online.

Compressed Video (CV) uses audio, computer, and video links simultaneously to enable faculty and students to converse while viewing each other in a real-time classroom setting. Classes meet on campus on specific days at specific times.

Wisline Web (WLW) links an audio connection with a common Web-based courseware so that faculty and students can converse while interacting with each other's documents and graphics in a real-time classroom setting. WLW classes also meet on campus on specific days at specific times.

In **UW Colleges Online** courses, students and faculty interact with each other as class members totally over the Internet. Online courses are held during a semester timeframe with weekly deadlines for assignments. Students are able to access lecture notes, reference materials, and assignments at any time, and from anywhere they can access an Internet hookup. For more information, see page 127 of this catalog and www.online.uwc.edu.

A **Blended** course is a 15-week semester course in which the course content is taught face-to-face and in an online or "time-out-of-class" learning mode. UW Colleges Blended courses are approximately 40-60% online with the remainder completed face-to-face.

An **Accelerated Blended** course is a Blended course offered in 5, 7, or 8 week sessions.

AMERICAN INDIAN STUDIES - ANTHROPOLOGY

American Indian Studies

AIS 101 Introduction to American Indian Studies 3 cr

An interdisciplinary introduction to the history, culture, and sovereignty of American Indians through the disciplines of anthropology, business, geography, history, political science, and sociology. The course focuses on Wisconsin Indians, meeting the requirements of Wisconsin Act 31. SS/ES/IS

AIS 227 Multicultural Business 3 cr

(Same as BUS 227.) Examines business topics requiring an understanding of culture. Includes cultural diversity in the workplace and the experiences of minorities in business. SS/ES

AIS 242 The American Indian in Literature and Film 3 cr

(Same as ENG 242.) This course will provide a cross-disciplinary exploration of the images of American Indians and their relevance to American society in film, literary, and historical texts. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU/ES

AIS 302 Archaeology of Wisconsin 3 cr

(Same as ANT 302.) Survey of Wisconsin archaeology from the earliest occupation of the state through early European contact. Emphasis is on ecological and historical factors influencing development of prehistoric and historical aboriginal cultures of Wisconsin. Prereq: Previous anthropology course or cons. instr. SS/ES

AIS 308 Archaeology of North America 3 cr

(Same as ANT 308.) Main pre-Columbian cultures north of Mexico. Includes evidence for cultural developments and diversity of cultural groups. Not recommended for first-semester students. SS/ES

AIS 314 Indians of North America 3 cr

(Same as ANT 314.) A survey of the cultures of various Indian nations north of Mexico; the impact in the past and the present of Euro-American culture on American Indian nations and their varied responses to it. Not recommended for first-semester students. SS/ES

AIS 353 Indians of the Western Great Lakes 3 cr

(Same as ANT 353.) Analysis of Indian cultures in the area around the western Great Lakes, with emphasis on traditional cultures of the Indians of Wisconsin. Not recommended for first-semester students. SS/ES

Anthropology

General

ANT 100 General Anthropology 3 cr

A survey of the subfields of anthropology, especially archaeology and physical and cultural anthropology. The course explores human biological evolution and variation, cultural evolution, language, and culture change. SS

ANT 291 Topics in Anthropology 2-4 cr

A specific topic in an instructor's area of special competence. When offered, the particular topic is indicated in the campus course schedule. Prereq: Previous anthropology course or cons. instr.*

ANT 299 Independent Reading and Research in Anthropology 1-3 cr

Independent reading and research in anthropology. Prereq: Previous anthropology course and cons. instr.*

Physical (Biological)

ANT 105 Introduction to Physical Anthropology 3-4 cr

A study of evolutionary theory, the place of humans in the primate order, the fossil evidence for human evolution and interpretation of that evidence, the

biological and genetic basis of human variation, and possible other topics of human biology. NS; if 4 cr, also LS

ANT 303 The Human Skeleton 3 cr

Individual bones and teeth, possibly including ancient as well as modern specimens; sex and age differences; continuous and discontinuous morphological variation of geographically and ethnically diverse populations; stature reconstruction; forensic aspects of individual identification; lab training in observations, measurements and analysis; lecture and lab. Prereq: Cons. instr. NS/LS

Archaeological

ANT 102 Archaeology and the Prehistoric World 3 cr

Introduction to the prehistoric world from origins of human culture to the beginnings of written history as revealed by archaeological research at great sites and ruins around the globe. Archaeological analysis of famous prehistoric sites as case studies to illustrate concepts and techniques used by archaeologists in their efforts to understand the rise, florescence and demise of vanished societies. SS

ANT 302 Archaeology of Wisconsin 3 cr

(Same as AIS 302.) Survey of Wisconsin archaeology from the earliest occupation of the state through early European contact. Emphasis is on ecological and historical factors influencing development of prehistoric and historic aboriginal cultures of Wisconsin. Prereq: Previous anthropology course or cons. instr. SS/ES

ANT 308 Archaeology of North America 3 cr

(Same as AIS 308.) Main pre-Columbian cultures north of Mexico. Includes evidence for cultural developments and diversity of cultural groups. Not recommended for first-semester students. SS/ES

ANT 370 Archaeology Field School 1-6 cr

Practical application of the basic skills used in the excavation of archaeological sites, including surveying techniques, methods of excavation, compilation of field data, and laboratory analysis through participation in an actual archaeological field project. The site(s) excavated and their location vary by year and campus. Usually offered summers. Limited enrollment. Generally, one credit is given for each 40 hours of fieldwork. Additional fees may be required for transportation, food, lodging and equipment. Prereq: Previous anthropology course and cons. instr.; ANT 102 highly recommended. AP

Cultural

ANT 104 Cultural Anthropology 3 cr

Survey of cultural anthropology with emphasis on ethnographic description, methodology and contemporary theory. Cross-cultural comparisons of societies and institutions. Course includes both humanistic and social scientific approaches to human sociocultural diversity. SS

ANT 150 Food, Culture, and Identity 3 cr

Food is the very core of life and one of the most culturally prescribed areas of human experience. This course will study the role of food in human history, and the biocultural construction of what is classified as food. We will examine the meaning of food across cultures with particular attention to how cultural and ethnic (e.g., Asian American, Native American) identities are associated with particular types of food. Rituals, religious and family celebrations, and secular holidays all include the deliberate preparation, serving and sharing of food (or abstinence from food). We will explore food consumption and health, the gendered dimension of food, and the social hierarchies and power relations associated with the commodification of food. Class projects are designed to connect the student to various community and ethnic groups through the study of farmers' markets, food banks, stores and restaurants. We will think about food in new and provocative ways and in the process practically apply theoretical concepts. SS, ES

ANTHROPOLOGY - ART

- ANT 204 Cultures of the World** 3 cr
Ethnographic survey of the world's peoples and their cultures. Major regions of the world considered in an attempt to outline the variety, richness, significance and persistence of cultural traditions. Not recommended for first-semester students, except with cons. instr. SS
- ANT 250 Women in Cross-Cultural Perspective** 3 cr
(Same as WOM 250.) Study of women in a variety of cultures around the world, both past and present. Includes consideration of the sexual division of labor, marriage systems, child rearing, relationships between men and women, systems of myth and ideology concerning women's roles and the effects of socio-economic development and rapid social change. Not recommended for first-semester students. SS
- ANT 314 Indians of North America** 3 cr
(Same as AIS 314.) A survey of the cultures of various Indian nations north of Mexico; the impact in the past and the present of Euro-American culture on American Indian nations and their varied responses to it. Not recommended for first-semester students. SS/ES
- ANT 325 Peoples and Cultures: Focused Explorations** 3 cr
Ethnographic survey of the peoples and cultures of a specified geographic region or culture area. Explores the diversity of societies in the region as well as persistence and change in cultural traditions. Emphasis may include the role of environment and prehistoric and historic events, social organization, kinship, belief systems, law, economics, and language. The selected area reflects the instructor's area of special competence. When offered, the selected area is indicated in the campus course schedule. Course may be repeated for credit if selected area is different. Not recommended for first-semester students. SS
- ANT 343 Religion, Magic and Witchcraft** 3 cr
(Same as REL 343.) Religion, magic, and witchcraft are uniquely human means of reaching out to the supernatural realm in order to effect changes in the here and now. This course introduces students to descriptions and interpretations of magico-religious beliefs and practices in a variety of cultures from an anthropological perspective, which does not attempt to judge the validity of such beliefs but to understand their origins and functions, among other things. It examines theories about religion and some of the conceptual issues regarding the interpretation of religion and related phenomena which have interested anthropologists over time. Not recommended for first semester students. SS
- ANT 350 Illness and Healing in Anthropological Perspective: Introduction to Medical Anthropology** 3 cr
The interrelationships between ecology, culture, society, disease and medicine from the beginning of humankind to the present. Includes the study of paleopathology (the analysis of disease found in the fossil record); how health, illness and disease are defined in a variety of societies; and how people construct cultural systems to cope with stress and illness. Not recommended for first-semester students. SS/ES
- ANT 353 Indians of the Western Great Lakes** 3 cr
(Same as AIS 353.) Analysis of Indian cultures in the area around the western Great Lakes, with emphasis on traditional cultures of the Indians of Wisconsin. Not recommended for first-semester students. SS/ES
- Art**
- ART 100 Art Introduction** 3 cr
Fundamental principles of two and three dimensional design: projects for the non-art major. Lecture-lab. Not recommended for students planning to major in art. Lecture-lab. AP
- ART 101 Introduction to Drawing** 3 cr
Principles of creative and structural drawing; a foundation course that explores a variety of ideas, techniques, and materials with a perceptual focus; drawing as a fine art and a basis for structure. An investigation of methods and materials. Lecture-lab. AP
- ART 102 Intermediate Drawing** 3 cr
Principles of creative and structural drawing; a second semester foundation course that explores a variety of ideas, techniques, and materials with a perceptual focus; drawing as a fine art and a basis for structure. Studio work in drawing with a variety of materials, techniques, and ideas. An investigation of methods, materials, and mixed media possibilities. An introduction to figure drawing. The class is conceptually based with an involvement and emphasis on structure, ideas and process. Lecture-lab. Prereq: ART 101. AP
- ART 103 Drawing II** 3 cr
Advanced drawing problems of expression and form. Emphasis on both skill and creative expression. Lecture-lab. Prereq: ART 102. AP
- ART 111 Two-Dimensional Design** 3 cr
Investigation of the basic elements and principles of two-dimensional design; arrangement of line, value, texture, and color theory, possible computer exercises. Lecture-lab. AP
- ART 112 Three-Dimensional Design** 3 cr
Investigation of the basic elements and principles of three-dimensional design; in the use of volume and spatial arrangement. Lecture-lab. AP
- ART 121 Introduction to Painting** 3 cr
Basic experience in various media—may include oil, watercolor, acrylic media: a survey of studio methods. Lecture-lab. AP
- ART 122 Watercolor** 3 cr
Exploration of aqueous media; aspects of traditional and contemporary procedures. Lecture-lab. AP
- ART 125 Oil Painting** 3 cr
Exploration of oil media; aspects of traditional and contemporary procedures. Lecture-lab. Prereq: ART 121 or cons. instr. AP
- ART 131 Introduction to Sculpture** 3 cr
Basic experience in three-dimensional media. A survey of materials and procedures used in sculptural processes. Lecture-lab. AP
- ART 141 Introduction to Printmaking** 3 cr
Exploration of the graphic media. May include relief, intaglio, serigraphy, lithography. Lecture-lab. AP
- ART 154 Introduction to Ceramics** 3 cr
Exploration of materials and processes; hand and wheel forming; glazing, firing and kiln management. Lecture-lab. AP
- ART 161 Introduction to Photography** 3 cr
Black and white still photography: the camera, the negative, the print. Lecture-lab. AP
- Art 175 Worlds of Art—Images/Objects/Ideas** 3 cr
An introduction to the visual arts, intended for the non-art major, which emphasizes cross-cultural perspectives—specifically the impact race and ethnicity have on artistic production, art criticism, art philosophies and aesthetics among the four major ethnic groups in the United States—African American, Native American, Asian American, and Hispanic/Latino American. Field trips may be required. FA/ES
- ART 180 The Artist and Visual Arts** 3 cr
Cultural history as it is discerned through the investigation of the artist and the work of art. Lecture. FA
- ART 181 Survey: Ancient and Medieval Art** 3 cr
Art and architecture from the old stone age to the Gothic era. Field trip. Lecture. FA

ART - ASTRONOMY

ART 183 Survey: Renaissance–Modern Art	3 cr	ART 245 Serigraphy	3 cr
Architecture, sculpture, painting and decorative arts from the late middle ages to the modern era. Field trip. Lecture. FA		Methods and techniques. May include problems in color registration photo processes; other stencil applications. Lecture-lab. Prereq: ART 141 recommended. AP	
ART 185 Survey: Renaissance Art	3 cr	ART 247 Relief Printing	3 cr
Renaissance art and architecture in Italy and northern Europe. Field trip. Lecture. FA		Woodcut and line cut processes; a survey of problems related to color registration and production. Lecture-lab. Prereq: ART 141 recommended. AP	
ART 187 Survey: Modern Art	3 cr	ART 254 Intermediate Ceramics	3 cr
Painting, sculpture, printmaking and drawing of the modern era. Field trip. Lecture. FA		Continuation of ART 154. Further development of craftsmanship with emphasis upon individual projects. Lecture-lab. Prereq: ART 154 recommended. AP	
ART 188 Survey: Modern Architecture and Design	3 cr	ART 255 Ceramics II	3 cr
Architecture, landscape architecture, city planning, interior and industrial design of the modern era. Field trip. Lecture. FA		Advanced work in ceramic processes. May include construction and use of molds, slip casting; production technology. Lecture-lab. Prereq: ART 254. AP	
ART 201 Introduction to Life Drawing	3 cr	ART 261 Intermediate Photography	3 cr
Anatomical and compositional considerations related to drawing from the human figure. Lecture-lab. AP		Continuation of ART 161 with emphasis on individual development. Lecture-lab. Prereq: ART 161. AP	
ART 202 Intermediate Life Drawing	3 cr	ART 290 Women in the Arts	3 cr
Advanced study of anatomical and compositional considerations related to drawing from the human figure. Lecture-lab. Prereq: ART 201. AP		(Same as WOM 295.) Women in the Arts is an interdisciplinary exploration of women as artists. The course will explore underlying ideologies that influence understanding of and access to the artistic production of women and artists of color. Theories and experiences of gender, race, ethnicity, sexual orientation, age and class as they are articulated in the contemporary art world will be examined. FA/IS	
ART 211 Two-Dimensional Design II	3 cr	ART 291 Special Topics	1-3 cr
A continuation of the study of elements and principles of two-dimensional design as a foundation for all the visual arts. Through experimentation and problem solving the student will develop a working knowledge of the function of color, line tone, form and texture in the creation of two dimensional compositions. Lecture-lab. Prereq: ART 111. AP		Prereq: cons. instr.; also Department Chair approval.*	
ART 212 Three-Dimensional Design II	3 cr	ART 299 Independent Study	1-3 cr
A continuation of the three-dimensional course of study. This course is comprised of three dimensional visual experiences and the application of design principles to space, form and materials. Within the course, students receive instruction in the proper and safe use of simple hand tools and power equipment. Lecture-lab. Prereq: ART 112 AP		Prereq: cons. instr.; also Department Chair approval.*	
ART 216 Digital Imaging and Design	3 cr		
Introduction to the basic skills and vocabulary of digital technology, with an exploration of popular graphic software and hardware. Integration of digital imagery with more traditional media. Areas of study geared towards specific student interests, with an emphasis on the development of a portfolio for transfer. Prereq: ART 101 or 111 or 141 or 161 or cons. instr. AP			
ART 222 Intermediate Watercolor	3 cr		
Exploration of aqueous media; aspects of traditional and contemporary procedures. Lecture-lab. Prereq: ART 122. AP			
ART 225 Intermediate Oil Painting	3 cr		
Continuation of ART 125 with emphasis upon individual development. Lecture-lab. Prereq: ART 125. AP			
ART 231 Intermediate Sculpture	3 cr		
Second year level course with emphasis upon technical problems related to individual projects. Lecture-lab. Prereq: ART 131. AP			
ART 232 Sculpture II	3 cr		
Advanced work in sculptural expression; traditional and contemporary methods of production. Lecture-lab. Prereq: ART 231. AP			
ART 241 Lithography	3 cr		
Plano graphic printing; use of stone and metal plates, with exploration of various offset media. Lecture-lab. Prereq: ART 141 recommended. AP			
ART 243 Intaglio	3 cr		
Incised printing; engraving, etching and other processes used with the intaglio press. Lecture-lab. Prereq: ART 141 recommended. AP			

Astronomy

AST 100 Survey of Astronomy	3-4 cr
Descriptive survey of astronomy for students with minimal background in mathematics and science; the solar system, stars, nebulae, galaxies, cosmology, astronomical methods. May be offered for three credits without laboratory work or for four credits with laboratory work consisting of telescopic observation, laboratory demonstration and astronomy exercises. When offered with laboratory component, students are strongly encouraged to take this class with laboratory. Students may not received credit for both AST 100 and AST 105. Prereq: High school algebra and geometry or cons. instr. NS; if 4 cr., also LS	
AST 101 Observational Astronomy	1 cr
Observation of solar system, galactic and extra-galactic objects and introduction to basic observational techniques in astronomy. Includes telescopic and unaided eye observation, positional astronomy, astro-photography, optic spectroscopy, interpretation of astronomical data and astronomy laboratory exercises. Students who have AST 200 or AST 100 for 4 credits or equivalent courses, are not eligible for this course. Prereq: One year of high school algebra and one year of high school geometry or one semester of college algebra. If the prerequisite math course was taken more than five years ago, cons. instr. required. NS/LS	
AST 105 The Solar System	3-4 cr
Contemporary understanding of the solar system: the sky and celestial motions; ancient astronomy; the Copernican revolution; light, gravity, orbits, and astronomical instruments; formation of the solar system; sun, planets and moons; asteroids, comets, meteors and meteorites; and the origin of life. May be offered for three credits without laboratory work or for four credits with	

ASTRONOMY - BIOLOGICAL SCIENCES

laboratory work consisting of telescopic observation, laboratory demonstration and/or astronomy exercises. Students may not receive credit for both AST 100 and AST 105. Prereq: High school algebra and geometry or cons. instr. NS; if 4 cr., also LS

AST 106 Stars, Galaxies, and the Universe 3-4 cr

Contemporary understanding of stellar systems: historical development; light, gravity, atoms and nuclei; astronomical instruments; properties and life cycles of the Sun and stars; black holes; the Milky Way and other galaxies; cosmology. May be offered for three credits without laboratory work or for four credits with laboratory work consisting of telescopic observation, laboratory demonstration and/or astronomy exercises. Students may not receive credit for both AST 100 and AST 106. Prereq: High school algebra and geometry or cons. instr. NS; if 4 cr., also LS

AST 200 General Astronomy 4 cr

Survey of astronomy for students who have some background in mathematics and physics; the solar system, stars, nebulae, galaxies, cosmology, astronomical methods. Telescopic observation, laboratory demonstration and astronomy exercises; three hours lecture, two hours lab-discussion per week. Not open to students who have taken AST 100. Prereq: PHY 141, or equivalent. NS/LS

AST 291 Topics in Astronomy 1-3 cr

An extended coverage of one or more topics in astronomy such as extra-terrestrial life, archeoastronomy, cosmology, astrophysics, radio astronomy, stellar structure, dynamical astronomy, galactic structure and observational astronomy. Prereq: Cons. instr.*

AST 299 Independent Study in Astronomy 1-3 cr

Independent study under the supervision of an instructor. The work may, for example, consist of advanced laboratory investigation into a particular topic or library research and writing of a paper on some subject of interest. Prereq: Cons. instr.*

Biological Sciences

Bacteriology

BAC 101 General Survey of Microbiology 4-5 cr

Survey of micro-organisms and their activities; emphasis on structure, taxonomy, function, ecology, nutrition, physiology, pathology and genetics. Survey of applied microbiology: agricultural, medical, industrial, environmental and food. The laboratory is an introduction to standard techniques and procedures in general microbiology. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory CHE, BIO courses recommended. NS/LS

BAC 299 Reading and Research in Microbiology 1-3 cr

(Same as BOT/ZOO 299.) Supervised undergraduate reading and research in biological sciences. This course is designed to acquaint the undergraduate with the literature and research techniques used in biological investigation and to give practical experience in scientific problem-solving. Prereq: Cons. instr.*

Biology

BIO 103 Human Environmental Biology 3-4 cr

A contemporary study of the natural world through the human perspective. Emphasis on humans as a modifying force in the biophysical environment, including selected topics in ecological principles, pollution, population biology and environmental management. This course meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of science and social sciences. Lecture, lab, and may also include demonstrations, discussion and field trips. NS/LS

BIO 107 Biological Aspects of Conservation of Natural Resources 3 cr

The principles underlying the proper management of our resources—water, soils, minerals, forests, wildlife and human. The current and past attitudes relating to the resources with the interaction and complexities of humans' interests. This meets the statutory requirement for Conservation of Natural Resources required for State certification for teachers of science and social sciences. Lecture and may also include demonstrations, discussion and field trips. NS

BIO 109 Concepts of Biology 5 cr

An introduction to the fundamental principles of living organisms. Includes cell and tissue structure, growth, basic physiological processes, reproduction and inheritance, classification, evolution and ecology. Lecture, lab, and may also include demonstrations, discussion and field trips. NS/LS

BIO 130 Biology of Women 3 cr

(Same as WOM 130.) An introduction to the physiology and reproductive anatomy of women including pregnancy, human development, cancer, infertility, birth control, sexually transmitted diseases and other health issues. NS

BIO 160 Heredity 3 cr

Principles of heredity with applications to plant, animal and human inheritance; current advances in genetics and their bearing on the life sciences. Lecture and may also include demonstrations, discussion and field trips. NS

BIO 250 Principles of Ecology 4 cr

The interrelationships between living organisms and their environment, ecosystems concepts, population dynamics, community organization and distribution, and application of ecological principles to humans and their environment. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory BIO course. NS/LS

BIO 260 Genetics 3-4 cr

Laws of variation and heredity and their modification by environment, genetic engineering and chromosome behavior with emphasis on human genetics. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory BIO course. NS/LS

Botany

BOT 100 Survey of Botany 3 cr

Structure, functions, life histories, taxonomy and evolution of representative plants throughout the plant kingdom. Lecture, lab, and may also include demonstrations, discussion and field trips. NS/LS

BOT 130 General Botany 5 cr

An introduction to plant sciences including the structure, development, physiology and genetics of plants. The relation of the major plant groups and the principles of biology. Lecture, lab, and may also include demonstrations, discussion and field trips. NS/LS

BOT 202 Dendrology 3 cr

Identification, classification and economic importance of evergreen and deciduous woody plants, both native and exotic species, stressing characteristics of leaf, fruit, twig, bark and wood structure. Lecture, lab, and may also include demonstrations, discussion and field trips. No prerequisite; however, a course in general botany is recommended. NS/LS

BOT 240 Plants and Civilization 2 cr

The study of plants from an historical and geographical perspective, and how plants are used in the modern world as a source of food, drugs and other materials. Lecture and may also include demonstrations, discussion and field trips. NS

BIOLOGICAL SCIENCES

BOT 291 Special Topics in Botany 1-3 cr

(Same as ZOO 291.) Designed to cover topics in biology not ordinarily covered in other classes. Prereq: Cons. instr.*

BOT 299 Reading and Research in Botany 1-3 cr

(Same as BAC/ZOO 299.) Supervised undergraduate reading and research in biological sciences. This course is designed to acquaint the undergraduate with the literature and research techniques used in biological investigation and to give practical experience in scientific problem-solving. Prereq: Cons. instr.*

Natural Resources

NAT 250 Introduction to Fish, Forest and Wildlife Resources 4 cr

An integrated introduction to the theoretical and applied aspects of the management of our biotic resources. This course will stress sustainable management and ecosystem integrity using contemporary conservation issues and local examples. Prereq: ZOO 101, BOT 130, BIO 109, or cons. instr. NS/LS

Physiology

PHS 170 Human Anatomy and Physiology 3 cr

This is a basic course which introduces the nonbiology major to the study of how the human body is organized. Through lecture and laboratory, the student studies the major organ systems of the human body and how its structure relates to function. Lecture, lab, and may also include demonstrations, discussion and field trips. NS/LS

PHS 202 Anatomy and Physiology 4 cr

An examination of the structure and function of the human body at the molecular, cellular, tissue, organ and system levels of organization. The integration of these levels of organization within the human organism is emphasized. This is the first semester of a two-semester sequence. Students with credit in PHS 202 and PHS 203 may not receive Associate degree credit for PHS 235 and ZOO 234. Lecture, lab, and may also include demonstrations, discussion and field trips. PHS 202 and PHS 203 may be taken concurrently. NS/LS

PHS 203 Anatomy and Physiology 4 cr

An examination of the structure and function of the human body at the molecular, cellular, tissue, organ and system levels of organization. The integration of these levels of organization within the human organism is emphasized. This is the second semester of a two-semester sequence. Students with credit in PHS 202 and PHS 203 may not receive Associate degree credit for PHS 235 and ZOO 234. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Physiology 202 or concurrent enrollment. NS/LS

PHS 230 Human Anatomy and Physiology 5 cr

A study of the fundamental principles of human structure and function with applications to health and disease. The course will explore all organ systems of the human body at various levels of organization from the cellular and subcellular to the organ system level. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: ZOO 101 or equivalent; introductory chemistry recommended. NS/LS

PHS 235 Human Physiology 5 cr

An examination of the physiological processes of the human body. Students with credit in PHS 235 and ZOO 234 may not receive Associate degree credit for PHS 202 and PHS 203. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory courses in CHE and BIO or cons. instr. NS/LS

PHS 250 Updates in Human Physiology and Microbiology 5 cr

This course was designed for the nursing consortium, primarily for RNs who plan to enter a BSN program. PHS 250 is a review and recent update of concepts in human physiology and microbiology. This course utilizes an extensive review packet of basic concepts of physiology and microbiology which must be completed during the course. Lecture only, online class. EL

Zoology

ZOO 101 Animal Biology 5 cr

General biological principles—structure and function of cells, histology, embryology, heredity, ecology and evolution; survey of the animal kingdom; and structure and function of the vertebrate body. Lecture, lab, and may also include demonstrations, discussion and field trips. NS/LS

ZOO 105 Introduction to Human Biology 3 cr

Introduction to the development, nature and processes of human adaptability. Lecture and may also include demonstrations, discussion and field trips. NS

ZOO 140 Introduction to Wildlife Resources 3 cr

Wildlife resources of the United States; the importance of wildlife to our past and present economic and cultural life and selected problems in wildlife conservation. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory BIO course. NS/LS

ZOO 155 Biology of Human Sexuality and Reproduction 3 cr

This course focuses on the biological aspects of human sexuality and reproduction. In addition, the following topics will be discussed from a biological perspective: birth control, sexually transmitted diseases, birth defects, abortion, differences between the sexes and the manipulation of the human reproductive process by science. Lecture and may also include demonstrations, discussion and field trips. NS

ZOO 234 Human Anatomy 3 cr

A study of the fundamental structure and organization of the organs and systems of the human body. Lecture, lab, and may also include demonstrations, discussion and field trips. Students with credit in ZOO 234 and PHS 235 may not receive Associate degree credit for PHS 202 and 203. Prereq: BIO course or cons. instr. NS/LS

ZOO 237 Vertebrate Biology 4 cr

An introduction to the study of vertebrate animals considering their structure, evolution, ecology and special adaptation. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory BIO course. NS/LS

ZOO 277 Ornithology 3 cr

A course which introduces the student to the biology of birds and the methods of modern field studies, identification, life histories, ecology and behavior of birds, with emphasis on local species. Lecture, lab, and may also include demonstrations, discussion and field trips. Prereq: Introductory BIO course. NS/LS

ZOO 291 Special Topics in Zoology 1-3 cr

(Same as BOT 291.) Designed to cover topics in biology not ordinarily covered in other classes. Prereq: Cons. instr.*

ZOO 299 Reading and Research in Zoology 1-3 cr

(Same as BAC/BOT 299.) Supervised undergraduate reading and research in biological sciences. This course is designed to acquaint the undergraduate with the literature and research techniques used in biological investigation and to give practical experience in scientific problem-solving. Prereq: Cons. instr.*

ZOO 305 Animal Behavior 3 cr

A general introduction to the field of animal behavior. Topics include evolution and natural selection, social behavior, communication, reproduction, orientation and navigation, and hormonal mechanisms of behavior. Lecture, lab, and may also include demonstrations, discussions, and field trips. Prereq: Introductory ZOO or BIO course recommended. NS/LS

BUSINESS - CHEMISTRY

Business

BUS 101 Introduction to Business 3 cr

Introduction to the role of business in the modern political, social and economic environments; describes career opportunities. EL

BUS 110 Personal Finance 3 cr

A study of personal financial management. Examines the financial problems and consequent financial decisions required of individuals in our economy. Subjects covered are applications in family budgeting, consumer buying decisions, borrowing, insurance, personal real estate, income taxation, investments and estate planning. AP

BUS 194 Career and Life Planning 2 cr

This course will enable students to develop career goals and lay out a path for achieving these goals. Students will examine their personal interests, aptitudes, values, decision-making skills, academic plans and career awareness. This personal, educational and occupational information will then be organized and translated into an individualized course of action. Integration of career goals with current and future college course work will be stressed. AP

BUS 201 Introductory Accounting 4 cr

Fundamental principles, terminology, techniques and applications; books, accounts and financial statements for retailing and wholesaling concerns; treatment and presentation of proprietorship, partnership and corporate accounts. Prereq: Open to second semester freshmen or cons. instr. AP

BUS 202 Intermediate Accounting 4 cr

Accounting theory principles, concepts and procedures and their applications as applied to balance sheet and income statement accounts, presentation and interpretation of financial statements; problems of terminology, valuation and analysis are included. Prereq: BUS 201. AP

BUS 204 Managerial Accounting 3 cr

Interpretation and application of accounting reports by management in planning, coordinating and controlling business activities; presentation, analysis and interpretation of financial data; internal control and reports to management; cost-volume profit relationships, budgets, costs and managerial decision making. Prereq: BUS 201. AP

BUS 210 Business Communication 3 cr

(Same as ENG 210.) Study and practice of the techniques of achieving clarity, brevity and effectiveness in business communication. Planning, preparation, critiquing of business letters, memoranda, short and long reports, resumés, manuals of procedure and oral reports. Prereq: ENG 102 or cons. instr. AP

BUS 220 Introduction to E-Commerce 3 cr

(Same as CPS 120.) This course will familiarize the student with the basics of e-commerce. Major topics include the basics of the internet, entrepreneurship, the creation of a business plan, financing, web site design, and e-business management. Students will develop a background in electronic commerce technology through exploring infrastructure and emerging technical issues in support of e-commerce. AP

BUS 227 Multicultural Business 3 cr

(Same as AIS 227.) Examines business topics requiring an understanding of culture. Includes cultural diversity in the workplace and the experiences of minorities in business. SS/ES

BUS 230 Introduction to Management Information Systems 3 cr

An introductory course designed to provide students with fundamental knowledge of management information systems and their concepts including the use of information systems for management decision-making and the impact of information systems on management. Topics may vary as technology changes but the students will learn the tools of productivity (i.e. Excel) such as electronic spreadsheet, data base, and graphics. Prereq: Second semester freshman or cons. instr. AP

BUS 242 Business Ethics 3 cr
(Same as PHI 243.) Critical discussion of ethical reasoning and moral values in business and industry; includes relevant case studies and readings. HU

BUS 243 Economics and Business Statistics 3 cr

(Same as ECO 243.) Elementary theory and techniques, probability and normal distribution, hypothesis testing, analysis and interpretation of economic and business data, index numbers, regression and time series analysis and Chi squares. Prereq: MAT 110 or MAT 210 or MAT 211 or concurrent registration in MAT 211. MS

BUS 244 International Business 3 cr

This course focuses on the study of how businesses conduct their operations in the global economy. The political, legal, cultural, social and economic challenges confronting businesses in international markets will be examined. Topics covered include trade strategies, international business operations, international trade and financial theory and policy, foreign exchange markets and the theory of multi-national enterprises. Prereq: An economics course or cons. instr. SS

BUS 297 Special Topics 1-3 cr

Prereq: cons. instr.*

BUS 299 Independent Studies 1-3 cr

Prereq: cons. instr.*

Chemistry

CHE 112 Foundations of Chemistry 2 cr

Designed to prepare students with limited science backgrounds for success in CHE 125 or the CHE 145/155 sequence. Emphasizes fundamental chemical concepts, chemical nomenclature and problem-solving skills. Two hours lecture/discussion. EL

CHE 123 Chemistry and Society 3 cr

A course for non-science majors that covers basic chemistry concepts in a social context. May include explorations of how chemistry impacts the environment, public health, energy policies, and other contemporary social issues. Consists of lectures and may also include discussions and demonstrations. Not a suitable prerequisite for higher-level chemistry courses or pre-professional programs. (A student may not earn more than four credits by taking CHE 123 and CHE 124.) NS

CHE 124 Applied Chemistry and Society 4 cr

A course for non-science majors that covers basic chemistry concepts in a social context. May include explorations of how chemistry impacts the environment, public health, energy policies, and other contemporary social issues. Lectures and laboratories may also include discussions and demonstrations. Not a suitable prerequisite for higher-level chemistry courses or pre-professional programs. (A student may not earn more than four credits by taking CHE 123 and CHE 124.) NS/LS

CHE 125 Introductory Chemistry 5 cr

A one-semester introductory course in college chemistry including an introduction to organic chemistry. Consists of lectures, discussions, and laboratories. Primarily for students whose programs require only CHE 125 or CHE 125-203 combination. Students may not count both CHE 125 and CHE 145 toward the natural science or laboratory science requirement for the Associate degree. Recommended: demonstrated competency at MAT 105 level or concurrent MAT 105 registration. NS/LS

CHE 145 General Chemistry I 5 cr

The first semester of a one-year course in college chemistry. Consists of lectures, discussions, and laboratories. For students whose programs require a year of college chemistry or who plan to take advanced courses in chemistry. Students may not count both CHE 125 and CHE 145 toward the natural

CHEMISTRY - COMMUNICATION AND THEATRE ARTS

science or laboratory science requirement for the Associate degree. Prereq: demonstrated competency at MAT 110 level or concurrent MAT 110 registration. NS/LS

CHE 155 General Chemistry II 5 cr

The second semester of a one-year course in college chemistry. Consists of lectures, discussions, and laboratories. For students whose programs require a year of college chemistry or who plan to take further courses in chemistry. Prereq: A grade of C- or better in CHE 145 and demonstrated competency at the MAT 110 level or cons. instr. NS/LS

CHE 165 Chemistry for Engineers 5 cr

A one-semester chemistry course for engineering students. Topics include measurements, atomic theory, stoichiometry, molecular structure, thermochemistry, electrochemistry, solid state, material science, and organic chemistry. Prereq: Grade of C- or better in CHE 112 or CHE 125 or grade of B or higher in high school chemistry and grade of C or better in MAT 110 or MAT 124 or placement into MAT 221 based on placement test score or cons. instr. Not a suitable substitute for the CHE 145/155 prerequisite for organic chemistry. NS/LS

CHE 203 Survey of Biochemistry 3 cr

An elementary course in the chemical makeup and metabolic processes of living organisms. For non-science majors. Three hours of lectures per week. Together CHE 125 and CHE 203 constitute a year course with emphasis on organic and biological chemistry for non-science majors. Prereq: A grade of C- or better in CHE 125 or (C- or better in CHE 145 with cons. instr.) or cons. instr. NS; if combined with CHE 211, also LS

CHE 211 Biochemistry Laboratory 1 cr

Laboratory to accompany CHE 203. Three hours of laboratory per week. This course is highly recommended for degree nursing students. Prereq: CHE 203 or concurrent registration. NS/LS

CHE 214 Physiological Chemistry 3 cr

Lectures and demonstrations on elementary aspects of organic and physiological chemistry; provided for students who have not had organic chemistry. For students interested in physical therapy. Prereq: A grade of C- or better in CHE 125 or (C- or better in CHE 145 with cons. instr.) or cons. instr. NS

CHE 250 Review and Updates in Chemistry and Biochemistry 3 cr

This course was designed specifically for the nursing consortium and is to be taken primarily by RNs already accepted into their BSN degree completion program. This course is not a substitute for the CHE 125/CHE 203 sequence required of students at the beginning of their academic careers, even if planning to enter the nursing profession. CHE 250 begins with a review of relevant topics in chemistry, both general and organic, and then covers topics typical of a biochemistry course such as biological molecules, metabolism, nutrition, protein function, and molecular biology. NS

CHE 290 Special Topics in Chemistry 1-5 cr

Prereq: cons. instr.*

CHE 299 Independent Study in Chemistry 1-3 cr

Prereq: cons. instr.*

CHE 343 Organic Chemistry I 3 cr

The first semester of a year course in organic chemistry. Three hours of lecture per week. Prereq: A grade of C- or better in CHE 155 or cons. instr. NS; if combined with CHE 351 or CHE 352, also LS

CHE 351 Organic Chemistry Laboratory Part I 1 cr

Three to four hours of laboratory per week. Prereq: CHE 343 or concurrent registration or cons. instr. NS/LS

CHE 352 Organic Chemistry Laboratory 2 cr

Six to eight hours of laboratory per week. Prereq: A grade of C- or better

in CHE 343 or concurrent registration or cons. instr. NS/LS

CHE 361 Organic Chemistry Laboratory Part II 1 cr

Three to four hours of laboratory per week. Prereq: A grade of C- or better in CHE 351 or cons. instr. NS/LS

CHE 363 Organic Chemistry II 3 cr

Continuation of Organic Chemistry I. Three hours of lecture per week. Prereq: A grade of C- or better in CHE 343 or cons instr. NS; if combined with CHE 361 or CHE 352, also LS

Chinese (see World Languages)

Communication and Theatre Arts

COM 101 Introduction to Interpersonal Communication 3 cr

A course aimed at introducing communication theory, increasing the student's awareness of communication with others in one-on-one situations, and improving personal communication skills. Topics studied include perception, listening, nonverbal communication, language, and conflict management. AP

COM 103 Introduction to Public Speaking 3 cr

Study of the principles and techniques of effective speaking and listening in a variety of selected communication experiences. AP

COM 104 Applied Journalism—Newspaper 1-3 cr

Practical application of the principles of writing, editing, photography and production of materials for campus publications. It is possible to register in more than one section with cons. instr.

Sect 1: News Writing 1 cr. AP

Sect 2: Photo Journalism 1 cr. AP

Sect 3: Desktop Publishing 1 cr. AP

COM 105 Applied Journalism—Radio 1 cr

Practical application of the principles of writing, editing and producing materials and/or presenting materials on the radio. AP

COM 106 Applied Journalism—Television 1 cr

Practical application of the principles of writing, editing, videotaping and producing materials for and/or presenting materials on television. AP

COM 110 Listening 2-3 cr

An introduction to the theories, research, behaviors and skills associated with the process of listening. Application of content material will be explored and analyzed through classroom exercises and evaluations. AP

COM 115 Introduction to Organizational Communications 3 cr

An introduction to the principles of effective communication in business and professional settings. Topics studied include organizational culture, diversity, listening, verbal and nonverbal messages, conflict and negotiation, interviewing, communication networks and channels, teambuilding, and presentations. AP

COM 130 Introduction to Theatre 3 cr

A study of the development of theatre as an art form. Emphasis is on the role of the audience and the understanding and appreciation of the nature of theatre, important plays, dramatic styles and elements of a theatrical production. FA

COMMUNICATION AND THEATRE ARTS - COMPUTER SCIENCE

COM 131 Theatre Laboratory 1 cr
Participation in theatrical production activities including directing, stage management, technical production, lighting, stage design, costuming, make-up, acting and theatre management. It is possible to register in more than one section with cons. instr.

Sect. 1: Acting 1 cr. AP

Sect. 2: Technical Production 1 cr. AP

Sect. 3: Theatre Management 1 cr. AP

COM 150 Introduction to Film 3 cr
Study of the history and development of film as a distinctive medium of communication, an art form and an industry. Students will be introduced to a wide range of theoretical perspectives that have been applied to film in academic settings; these will include (but are not limited to) such concepts as narrative, genre, "mise en scene" and star image. FA

COM 160 Communication and Human Behavior 3 cr
An examination of the diverse theories and research in fundamental concepts, problems and effects of human communication behavior. Prereq: COM 101. SS

COM 201 Introduction to Mass Communication 3 cr
A survey course examining print, electronic and persuasive media from a historical and theoretical perspective. Media discussed include newspapers, magazines, books, radio, television, public relations, advertising and the internet. SS

COM 203 News and Informational Writing 3 cr
Instruction and practice in written communication of factual materials under direct guidance of instructor. Emphasis is on writing for news media, but time is spent on procedures and techniques which are basic for all informational writing. Prereq: Typing proficiency recommended and the satisfactory completion of English 101 or equivalent documentation of language skills. AP

COM 204 News Reporting 3 cr
Emphasis on the gathering of news and interviewing. Field work in the community. Typing proficiency recommended and the satisfactory completion of English 101 or equivalent documentation of language skills. Prereq: COM 203 or cons. instr. AP

COM 210 Introduction to Intercultural Communication 3 cr
An overview of how people communicate with people from other cultures. Communication behavior (both verbal and nonverbal) will be examined to determine their role in other cultures. Students will learn to communicate more competently with people from other cultures and ethnic groups. SS/ES

COM 218 Popular Culture in the Media 3 cr
An introduction to the analysis and interpretation of Popular Culture as an academic discipline. The class will examine forms of advertisement and entertainment including print and TV ads, films, television, music, and music videos. HU

COM 220 Introduction to Radio Broadcasting 3 cr
A study of the principles and practices of contemporary radio production and programming, including laboratory work. AP

COM 221 Introduction to Television Broadcasting 3 cr
The study of the principles and practices of contemporary television production and programming, including laboratory work. AP

COM 230 Literature and Performance 3 cr
This course is designed to enhance the appreciation of literature through reading, analysis, and performance. Students will find that sharing literature with an audience through performance is an effective and enjoyable means of experiencing the many genres of world literature. HU

COM 232 Introduction to Acting 3 cr
Exploration of the fundamentals of acting through exercises and

improvisations designed to enhance presentation of self and to promote concentration, observation, imagination and sensory responsiveness. AP

COM 234 Introduction to Stagecraft 3 cr
Theories and techniques of stagecraft, such as set design and construction, scene painting, stage lighting, costuming and make-up. AP

COM 266 Group Discussion 3 cr
Study of the structure and dynamics of small groups. Topics include decision making, group behaviors, critical thinking, problem solving and leadership in group interaction processes. SS

COM 298 Topics in Speech and Dramatic Arts 1-3 cr
The nature and subject of this course will be announced in the course schedule. Prereq: May be determined by instructor.*

COM 299 Independent Studies 1-3 cr
Readings, reports, papers or projects to be determined by the individual instructor. Prereq: Introductory COM course and cons. instr.*

COM 349 Children's Theatre Production 3 cr
Methods of directing, designing and producing plays for the child audience. Examination of scripts and study of techniques in adapting children's literature for the stage. AP

Computer Science

NOTE: Consult with the transfer institution or the Transfer Information System (TIS) to determine the combination of one-credit modules which will transfer optimally.

CPS 100 Computers and Society 1-3 cr
Study of the functions of computers, their applications and the resultant social changes, both desirable and undesirable. Consideration of the value systems that are threatened as computer technology continues to expand. No programming required. EL

CPS 101 Computer Orientation 1 cr
An introduction to the campus computing set-up. Emphasis on what computers can do; using computers rather than programming them. EL

CPS 102 Computer Science Orientation 1 cr
This course is designed to help students interested in computer science obtain necessary tools and background information to become successful computer science students and instructional technology workers. Possible topics covered include information technology and computer-related curriculum, majors and careers, course transfer guidelines (TIS), history of computing, ethics, study skills, test taking and time management skills and other current instructional technology topics. EL

CPS 103 Computer Fundamentals I 1 cr
An overview of computers, what they are and how they work. Typical topics include history, hardware, programming languages and operating systems, application software, communications, career opportunities and ethical issues. Also included is an introduction to the campus computing network. Students may not receive credit for both CPS 103 and CPS 110. EL

CPS 104 Computer Fundamentals II 1 cr
A continuation of CPS 103 with increased emphasis on advanced concepts. Typical topics include systems analysis/design/implementation, system security, MIS/decision support systems, computer applications in business and industry, structured design and programming, artificial intelligence, advanced application and future computer systems. Prereq: CPS 103. EL

CPS 105 Computer Applications 1-3 cr
Principles and use of computer applications including word processors, spreadsheets and data bases. May also cover other applications such as

COMPUTER SCIENCE - ECONOMICS

telecommunications, graphics, statistics, simulations or CAI. Does not include teaching of programming. Course may not be taken more than once for degree credit. Students may not receive credit for both CPS 105 and any of CPS 106, CPS 107, CPS 108. AP

CPS 106 Word Processing and Presentation Concepts 1 cr

Text entry, editing, manipulation and presentation. Covers typical as well as many advanced features of word processing and presentation software. This course involves extensive hands-on experience. Students may not receive credit for both CPS 106 and CPS 105. AP

CPS 107 Spreadsheet Concepts 1 cr

Typical features and application of electronic spreadsheets. This course involves extensive hands-on experience. Students may not receive credit for both CPS 107 and CPS 105. AP

CPS 108 Database Concepts 1 cr

Creation of data files and data manipulation (editing, sorting, deleting, etc.). Report definition and generation. Accessing and searching of remote data bases. Includes extensive hands-on experience. Students may not receive credit for both CPS 108 and CPS 105. AP

CPS 109 Internet Applications 1 cr

Locating and evaluating information using Internet services such as electronic mail, the World Wide Web, file transfer and online interest groups. Current social and ethical issues. Web page creation. Includes extensive hands-on experience. AP

CPS 110 Introduction to Computer Science (BASIC) 3 cr

How computers work, communicating with computers, areas of application and significance, simple Algebraic Language programming, elementary data processing and problem solving. Instruction and significant experience in BASIC. May have 2hr/wk lab. Students may not receive credit for both CPS 110 and either CPS 103 or CPS 130. Prereq: MAT 105 or cons. instr. EL

CPS 120 Introduction to E-Commerce 3 cr

(Same as BUS 220.) This course will familiarize the student with the basics of e-commerce. Major topics include the basics of the internet, entrepreneurship, the creation of a business plan, financing, web site design, and e-business management. Students will develop a background in electronic commerce technology through exploring infrastructure and emerging technical issues in support of e-commerce. AP

CPS 130 Introduction to Programming (BASIC) 1-2 cr

The basics of programming in BASIC for beginners. Introductory information on editing, program structure, data types, input, output, calculating, looping and selection. Short programs will be written and tested on a computer. May have 2hr/wk lab. Students may not receive credit for both CPS 130 and CPS 110. Prereq: MAT 105 or cons. instr. EL

CPS 139 Web Page Development 2 cr

Development of web pages using HTML and Cascading Style Sheets. Introduction to XML documents and XHTML standards. This course involves extensive hands-on experience. AP

CPS 149 Fundamentals of Web Programming 2 cr

Introduction to client-side Web programming. This course covers basic concepts of computer programming by developing interactive applications on the Web using a scripting language. Prereq: CPS 139. AP

CPS 216 Problem Solving and Programming Techniques in C++ 4 cr

Program design using both modular and object-oriented methods. Topics covered to include stream I/O, recursion, multi-dimensional arrays, sorting and searching, pointers and dynamic memory allocation, classes and abstract data types, and operator overloading. Prereq: advanced high school mathematics or equivalent, or previous programming experience, or cons. instr. MS

CPS 240 Advanced Visual Basic 3 cr

Covers the user interface of Visual Basic and presents common programming structures. Advanced topics include object-oriented programming and accessing databases using Visual Basic. Prereq: CPS 110, 130, 216, or 245, or cons. instr. MS

CPS 245 Computer Science I: Object-Oriented Programming 4 cr

Introduces the fundamental concepts of programming from an object-oriented perspective. Topics include simple data types, control structures, an introduction to array and string data structures and algorithms, text and binary files, as well as the social implications of computing. The course emphasizes developing fundamental programming skills in the context of a language that supports the object-oriented paradigm. Prereq: MAT 110 or concurrent registration or cons instr. MS

CPS 255 Computer Science II: Objects and Data Abstraction 3 cr

Continues the introduction from CPS 245 to the methodology of programming from an object-oriented perspective. Through the study of object design, this course also introduces the basics of human-computer interfaces, graphics, and the implementation of fundamental data structures including lists, stacks, and queues. The course includes a significant software development project, with an emphasis on software engineering principles and debugging techniques. Prereq: CPS 245 and MAT 110. AP

CPS 260 Programming in Assembly Language 3 cr

An introduction to microcomputer assembly language programming and architecture for students with previous exposure to a high level language. Topics typically include machine instruction sets, interrupts, boolean logic, binary coding of numeric and alphanumeric data, arrays and input/output. Optional topics may include file access, macros, graphics and mixed language programming. Prereq: CPS 110, 130, 216, or 245, or cons. instr. MS

CPS 265 Computer Science III: Algorithms and Data Structures 3 cr

Builds on the introduction to object-oriented programming begun in CPS 245 and CPS 255, but using a different language than that used in those courses. Data structure surveyed include hash tables, binary search trees, and graphs, as well as linked implementations of lists, stacks, and queues. Through iterative and recursive implementation of the fundamental algorithms on those data structures, the course introduces algorithm analysis and computational complexity. Prereq: CPS 255 and MAT 211, 221 or 230, or cons. instr. MS

CPS 291 Special Topics 1-3 cr

In-depth treatment of subjects introduced in other CPS courses. Choice of topics depends on student interest, staff and equipment availability. Typical topics include file handling, operating systems, social implications, simulation, management tools, specialized languages, current technology, numerical methods, artificial intelligence and digital logic. Prereq: Cons. instr.*

CPS 299 Independent Study in Computer Science 1-3 cr

Prereq: Cons. instr.*

Economics

ECO 101 Introduction to Economics 3 cr

A study of economic systems and their interdependence in the global economy, with emphasis on problems and policies. Among the subjects included are competitive and non-competitive markets, gross domestic product determination and policy, the U.S. financial system and global trade. SS

ECO 203 Economics-Macro 3 cr

The emphasis of the course is on macro analysis and covers areas such as national income, commercial banking, business fluctuations, monetary and fiscal policies and economic growth. Designed for students who desire a basic one-year course (with ECO 204) in economics. Prereq: MAT 105 and ENG 101 or cons. instr. recommended. SS

ECONOMICS - ENGINEERING/GRAPHICS/MECHANICS

- ECO 204 Economics—Micro** 3 cr
Emphasizes the micro-economic approach concerning households, firms and market structures with a focus on price determination and distribution of income. Foreign trade and international financial institutions are included. Prereq: MAT 105 and ENG 101 or cons. instr. recommended. SS
- ECO 230 Money and Banking** 3 cr
A study of the structure and operations of the commercial banking system and other financial institutions, central banking and monetary policy, monetary systems and their developments; theories of money, income and prices and their economic effect on the economy, impact of fiscal policy and international finance on monetary policy. Prereq: ECO 203 or cons. instr. SS
- ECO 243 Economics and Business Statistics** 3 cr
(Same as BUS 243.) Elementary theory and techniques, probability and normal distribution, hypothesis testing, analysis and interpretation of economic and business data, index numbers, regression and time series analysis and Chi squares. Prereq: MAT 110 or MAT 210 or MAT 211 or concurrent registration in MAT 211. MS
- ECO 250 Government and Business** 3 cr
A survey of government activities affecting business: legal and economic problems in the control of competitive practices, regulation of business, public expenditures and subsidies, and public enterprise. Stresses government regulation of business and anti-trust policies. Prereq: ECO 204. SS
- ECO 270 International Economics** 3 cr
Introduction to international trade and finance; including such topics as comparative advantage, trade restrictions, international trade organizations, foreign exchange markets and exchange rates, balance of payments, the international monetary system, and factor and capital mobility. Prereq: ECO 203 and ECO 204. SS
- ECO 297 Special Topics** 1-3 cr
Prereq: Cons. instr.*
- ECO 299 Independent Studies** 1-3 cr
Prereq: Cons. instr.*
- ECO 342 Environmental and Natural Resource Economics** 3 cr
This is a survey course focusing on reasons for pollution and natural resource misallocation, including property rights, externalities, and public good problems. Microeconomic analysis is applied to environmental protection and natural resource management with consideration of the equity and efficiency implications of public policy. Emphasis is placed on the valuation of environmental benefits and costs, economics of renewable and non-renewable natural resources as well as analysis of global environmental issues such as population, climate change, deforestation, the oceans and the atmosphere. Prereq: ECO 204. SS

Education

- EDU 201 Concepts, Issues and Field Experience in Education** 3 cr
Classroom discussion (two hours per week) of educational principles, concepts and issues related to student-teacher-school-community interactions, including developmental aspects, sociocultural influences and human relations. Off-campus experience involving active participation in the program at an educational institution (four hours per week of off-campus experience will usually be required, but number may vary with current DPI and 4-year campus requirements.) AP
- EDU 202 Personal Portfolio Preparation for Education Majors** 1 cr
Provides direct instruction on professional portfolio preparation for Education majors seeking admission to professional schools of education at a

baccalaureate institution. Consistent with the particular requirements for Admission I status, the course provides the opportunity for successful admission to the transfer student. Content is aligned specifically with Wisconsin Standards for Teacher Development and Licensure and emphasizes the development of a philosophy of life-long learning and practice as a reflective professional. This course is offered on a graded basis and students are required to attend all class sessions. Course topics will be explored through a variety of activities including lecture/discussion, collaborative group work, reflective feedback, and peer performance review. Prereq: EDU 201. AP

EDU 211 Special Topics in Education 1-3 cr
Specific topics to be announced in campus course schedule. SS

EDU 220 Education in a Pluralistic Society 3 cr
This course is designed to prepare students to be competent teachers in a pluralistic society. Current theory and research on the major issues confronting educators in a pluralistic society will be explored: immigration, poverty, issues particular to Native Americans, African Americans, Hispanic Americans and other culture/ethnic groups, exceptionality, sexual orientation, religion and other special interest groups. Students in this course will have contact with students, colleagues, parents, and agencies representing different cultures, ethnicities and alternative lifestyles. The knowledge base and rationale for this course is specified in the Wisconsin Department of Public Instruction PI 34.15 (4) and s 118.19 statutory requirements for Teacher Education and Licensure. SS/ES

EDU 230 Educational Psychology 3-4 cr
A study of the developmental process in children in the context of psychological principles of teaching and learning. Emphasis will be placed on understanding the social, emotional, physical, and intellectual development of children and adolescents. Attention will be directed toward the nature and conditions of learning, including the major types of learning, critical aspects of learning and the problems encountered in fostering and directing learning. Prereq: PSY 201 or PSY 202 or EDU 201 (grade of C- or better), or cons. instr. SS

EDU 300 The Exceptional Individual 3 cr
The purpose of this course is to educate and prepare students to understand and work with individuals with disabilities within schools by providing accurate information about disabilities and current best practices in education. Emphasis will be placed on understanding historical, legal, and philosophical frameworks; defining categories of disability; describing legal and ethical perspectives; how issues of accessibility in educational and social arenas affect people with disabilities; learning the role disability plays in the lives of families; becoming familiar with label criteria for disabilities; and the examination of how the referral/placement processes can either discriminate against marginalized populations or facilitate inclusion. Prereq: PSY 201 or PSY 202 (grade of C- or better or cons. instr.); EDU 201 and either PSY 250 or PSY 360 recommended. SS

Engineering/Graphics/Mechanics

- EGR 105 Engineering Fundamentals** 3 cr
This course is designed to equip engineering students with the necessary tools and background information to prepare them to be successful engineering students as well as a successful practicing engineer. Topics covered in this course include project management, team work, technical writing, working with data and using spreadsheets, creating presentations, engineering design, and a thorough understanding of the engineering profession. AP/IS
- EGR 263 Engineering Thermodynamics** 3 cr
First and second laws of thermodynamics; thermodynamic properties of real and ideal gases, vapors, and mixtures; analysis of power and refrigeration cycles. Prereq: MAT 223 and either MEC 202 or PHY 201, or cons. instr. NS

ENGINEERING/GRAPHICS/MECHANICS - ENGLISH AND LITERATURE

- EGR 282 Engineering Economics** 3 cr
Economic and financial factors in the engineering environment to be considered in managerial decision making. Emphasizes the time value of money, present worth analysis, uniform series, rate of return, benefit cost ratios, depreciation, income taxes, inflation. Prereq: MAT 110. EL
- EGR 291 Special Topics in Engineering** 1-3 cr
In-depth coverage of one or more topics in engineering, engineering graphics, or engineering mechanics not covered by an existing catalog course. Choice of topics depends on student interest, staff and equipment availability. Topics related to current issues or new technology are particularly appropriate. EL
- EGR 299 Independent Study in Engineering** 1-3 cr
Independent study under the supervision of an instructor. The work may, for example, consist of advanced laboratory investigation into a particular topic or library research and writing of a paper on some subject of interest. Prereq: Cons. instr. EL
- GRA 110 Engineering Graphics with Computer Aided Drafting** 3 cr
An introductory course in engineering graphics focusing on graphical communication. Topics include descriptive geometry elements, visualization, engineering drawing techniques, orthographic projection, pictorial representation, auxiliary views, section views, and basic dimensioning. The course incorporates computer aided drafting (CAD) with engineering applications using 2-D drawing and 3-D modeling techniques. AP
- MEC 201 Statics** 3 cr
Principles of mechanics, force systems, equilibrium, structures, distributed forces, moments of inertia of areas, and friction. The course will serve the requirements of the several engineering curricula. Prereq: MAT 221 or cons. instr. NS
- MEC 202 Dynamics** 3 cr
Kinematics, force-mass-acceleration relations, work and energy, impulse and momentum and moments of inertia of mass. This course will serve the requirements of the several engineering curricula. Prereq: MEC 201, MAT 222. NS
- MEC 203 Strength of Materials** 3-5 cr
Stress and strain, torsion, bending of beams, compound stresses, principal stresses, deflections of beams, statically indeterminate members, columns, elastic buckling, fatigue, creep, impact and concrete properties. Lab required if taken for 5 credits. Prereq: MEC 201. NS
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- ### English and Literature
- ENG 101 Composition I** 3 cr
A writing course that focuses on the basic techniques of composition, on the composing process with attention to drafts and revisions, and on coherence and organization of student essays. Prereq: a grade of C or better in Basics of Composition or exemption based on placement test score. EL
- ENG 102 Composition II** 3 cr
A rhetoric course that focuses on writing which presents information, ideas, and arguments, with attention to the essay and techniques of documentation. Emphasis will be on academic writing which is applicable across the curriculum. Prereq: A grade of C or better in ENG 101 or exemption based on placement test score. EL
- ENG 190 Special Topics in First-Year English** 1-3 cr
Designed to cover topics which cannot be accommodated in usual course formats or by other courses. Topics, which will be specified in the campus course schedule, may include freshman literature, readings in selected disciplines (e.g., readings in the sciences or the social sciences), or introduction to the English major. May be taken for credit more than once if content changes. Prereq: A grade of C or better in Basics of Composition or exemption based on placement test score or cons. instr. HU
- ENG 201 Intermediate Composition** 3 cr
A course devoted to the theory and practice of writing prose on a more advanced level than ENG 102: prose that is intended to inform and/or persuade. Emphasis will be placed on coherent organization, clear and forceful phrasing, logical thinking and other aspects of effective communication. Prereq: ENG 102 or exemption based on placement test score or cons. instr. AP
- ENG 202 Writing about Literature** 3 cr
Studying and writing about various types of literature. Helps students develop the ability to write critical, analytical and explicative papers about literature. Prereq: ENG 102 or exemption based on placement test score or cons. instr. AP
- ENG 203 Creative Writing I** 3 cr
Chiefly devoted to writing and studying one or more of the following: fiction, poetry and drama. Prereq: ENG 102 or cons. instr. AP
- ENG 204 Creative Writing II** 3 cr
Chiefly devoted to writing and studying one or more of the following: fiction, poetry and drama. A continuation of ENG 203. Prereq: ENG 102 or cons. instr. AP
- ENG 205 Literary Magazines** 3 cr
A study of contemporary literary magazines, including national and student publications produced in print and online, resulting in students collaborating to produce their own literary publication(s). Prereq: ENG 102 or cons. instr. AP/EL
- ENG 206 Technical Writing** 3 cr
The study and practice of the techniques of achieving brevity, clarity and fluency in technical prose with emphasis on generating reports, letters, proposals and other technical writing forms. Particularly appropriate for students in science, engineering, architecture and other applied sciences. Prereq: ENG 101 or ENG 102 or cons. instr. AP
- ENG 210 Business Communication** 3 cr
(Same as BUS 210.) Study and practice of the techniques of achieving clarity, brevity and effectiveness in business communication. Planning, preparation, critiquing of business letters, memoranda, short and long reports, resumés, manuals of procedure and oral reports. Prereq: ENG 102 or cons. instr. AP
- ENG 242 The American Indian in Literature and Film** 3 cr
(Same as AIS 242.) This course will provide a cross-disciplinary exploration of the images of American Indians and their relevance to American society in film, literary, and historical texts. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU/ES
- ENG 250 Introduction to Literature** 3 cr
Intensive analysis of literature, including poetry, drama and fiction, using representative types from several periods of literature. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 251 Introduction to Dramatic Literature** 3 cr
Intensive analysis of dramatic literature using representative types from several periods of drama. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 253 Introduction to Narrative Literature** 3 cr
Intensive analysis of fiction using representative types from several periods of narrative literature. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 255 Introduction to Poetry** 3 cr
Intensive analysis of poetry using representative types from several periods of poetry. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU

ENGLISH AND LITERATURE

- ENG 260 English Literature Before 1798** 3 cr
A study of the development of British literature before 1798 through a survey of significant poetry, drama, fiction, and/or nonfiction. Not open to students with credit in ENG 270. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 261 English Literature After 1798** 3 cr
A study of the development of British literature after 1798 through a survey of significant poetry, drama, fiction, and/or nonfiction. Not open to students with credit in ENG 270. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 262 American Literature Before 1865** 3 cr
A study of the development of American literature before 1865 through a survey of significant poetry, drama, fiction, and/or nonfiction. Not open to students with credit in ENG 272. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 263 American Literature After 1865** 3 cr
A study of the development of American literature after 1865 through a survey of significant poetry, drama, fiction, and/or nonfiction. Not open to students with credit in ENG 272. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 264 The Western Tradition in Literature Before 1665** 3 cr
Selected masterpieces of the Western tradition in literature from ancient time to the end of the seventeenth century. Not open to students with credit in ENG 274. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 265 The Western Tradition in Literature After 1665** 3 cr
Selected masterpieces of the Western tradition in literature from the end of the seventeenth century to the present. Not open to students with credit in ENG 274. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 266 Modern Literature (Before 1945)** 3 cr
A study of the development of modern literature through a survey of significant poetry, drama, fiction, and/or nonfiction written before 1945. Not open to students with credit in ENG 276. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 267 Contemporary Literature (After 1945)** 3 cr
A study of the development of contemporary literature through a survey of significant poetry, drama, fiction, and/or nonfiction written after approximately 1945. Not open to students with credit in ENG 276. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 268 International Literature Before 1750** 3 cr
A study of notable authors from a variety of regions and eras, ranging from non-Western traditions such as the Indian, Arabic, West African, Chinese, Japanese and/or Native American to Western traditions such as the Greek, Scandinavian, French, Russian, Australian, and/or Latin American. Content and focus will vary according to instructor. Not open to students with credit in ENG 273. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 269 International Literature After 1750** 3 cr
A study of notable authors from a variety of regions and eras ranging from non-Western traditions such as the Indian, Arabic, West African, Chinese, Japanese and/or Native American to Western traditions such as the Greek, Scandinavian, French, Russian, Australian and/or Latin American. Content and focus will vary according to instructor. Not open to students with credit in ENG 273. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 270 English Literature** 3 cr
A study of the nature of British literature through a survey of significant poetry, drama, fiction, and/or nonfiction by major British authors. Not open to students with credit in ENG 260 or 261. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 272 American Literature** 3 cr
A study of the nature of American literature through a survey of significant poetry, drama, fiction, and/or nonfiction works by major American authors. Not open to students with credit in ENG 262 or 263. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 273 Studies in International Literature** 3 cr
A study of notable authors from a variety of regions and eras, ranging from non-Western traditions such as the Indian, Arabic, West African, Chinese, Japanese and/or Native American to Western traditions such as the Greek, Scandinavian, French, Russian, Australian, and/or Latin American. Content and focus will vary according to instructor. Not open to students with credit in ENG 268 or ENG 269. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 275 Twentieth Century Novels of the World** 3 cr
A study of the twentieth century novel in a number of countries (usually excluding American and European novels). The course will explore the cultures of those countries as they are reflected in the novels. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 276 Twentieth Century Literature** 3 cr
A study of the nature of twentieth century literature through a survey of significant poetry, drama, fiction, and/or nonfiction by significant authors, primarily British and American, of the twentieth century. Not open to students with credit in ENG 266 or ENG 267. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 277 Film Studies** 3 cr
An exploration of some aspect, theory, problem or distinctive variety of film, particularly narrative film. Emphasis may be upon the history of a genre, a single artist, or the distinctive character of the medium in comparison to drama or narrative fiction. May be taken for credit more than once if content changes. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 278 Multicultural Literature in America** 3 cr
A study of ethnic literatures in America, chiefly African American, Asian American, Native American, and/or Latino, though not necessarily limited to these groups. May be taken for credit more than once if content changes. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU/ES
- ENG 279 Women in Literature** 3 cr
(Same as WOM 279.) A study of women characters and/or authors in their cultural contexts through a survey of significant poetry, drama, fiction, and/or nonfiction. May be taken for credit more than once if content changes. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 280 Introduction to Shakespeare** 3 cr
A study of selected plays and sonnets. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU
- ENG 281 A Theme in Literature** 3 cr
This theme varies from time to time and may be, for example, philosophical, social, political or psychological. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. May be taken for credit more than once if content changes. HU

ENGLISH AND LITERATURE - GEOGRAPHY

ENG 283 A Figure or Figures in Literature 3 cr
The figure or figures may be one writer, such as Milton, or a group of writers, such as English Romantic poets of the nineteenth century or African-American writers of the twentieth century. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. May be taken for credit more than once if content changes. HU

ENG 285 The Literature of Nature 3 cr
A study of texts characterizing the natural world as experienced primarily by American writers of the 19th and 20th centuries. Prereq: Exemption from 101 based on placement test score or ENG 101 or cons. instr. HU

ENG 286 The Literature of Sport 3 cr
A study of texts (e.g., fiction, nonfiction, poetry, drama, film) that use sports in significant thematic or symbolic ways, primarily by Americans in the 20th century. Prereq: Exemption for ENG 101 based on placement test score or ENG 101 or cons. instr. HU

ENG 287 The Bible as Literature 3 cr
A study of literary aspects of selected portions of the Bible. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU

ENG 288 Religious Traditions in Literature 3 cr
A study of texts (e.g., fiction, nonfiction, poetry, drama, film) that treat religion and/or spirituality in significant thematic ways. Readings may include sacred scriptures, but the course may focus instead on the themes presented in various texts and religions. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU

ENG 290 Special Topics 1-3 cr
Designed to cover topics which cannot be accommodated in usual course format or by other courses. Topics, which will be specified in campus course schedule, could range from writing for a campus newspaper or literary magazine to the study of a literary subgenre, such as science fiction, dramatic comedy, or epic poetry. May be taken for credit more than once if content changes. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr.*

ENG 299 Independent Study 1-3 cr
Individual student program must be approved by the UW Colleges English Department chair. May be taken for credit more than once if content changes. Prereq: cons. instr.*

French (see *World Languages*)

Geography

GEO 101 Introduction to Cultural Geography 3 cr
A survey of world patterns of culture, such as population, language, religion, urban and rural settlement, and their causal relationships, emphasizing the global diversity of world cultures, contrasting world views and the issues thus raised. SS

GEO 102 Roots and Diversity 3 cr
The geography of American ethnic minority groups. An introduction to ethnic geography that examines the experience of people of African, Asian, Hispanic, and Native heritage in the United States and Canada. These ethnic minorities are studied using the major themes of cultural geography such as spatial distribution, migration patterns and locational patterns. SS/ES

GEO 104 Landscapes of North America 3-4 cr
(Same as GLG 104.) A general survey of the characteristics and origins of major natural/physical regions of North America, with emphasis on national parks and monuments and other public areas. Field trip(s) may be required. NS; if 4 cr., also LS and will include lab work.

GEO 106 Survey of Geographic Information Sciences (GIS) 4 cr
An introduction to methods for organizing and interpreting spatial information using state-of-the-art techniques and tools of geographic information sciences. These include remote sensing, computer cartography, global positioning systems (GPS) and spatial analysis. Hands-on experiences provide a foundation for higher level courses and applications across the disciplines, e.g. anthropology, sociology, planning, history, as well as geography, geology, and climatology. NS/LS

GEO 107 Introduction to Maps and Air Photos 3-4 cr
(Same as GLG 107.) The use and interpretation of aerial photos and other forms of remote sensing and the basics of map reading, analysis, and interpretation including a brief introduction to the principles of map design and construction. Emphasis on topographic and thematic maps and air photos. NS; if 4 cr, also LS and will include lab work.

GEO 110 World Regional Geography 3 cr
Introduction to cultural geography through the integrated study of representative and significant world regions. Examples will compare and contrast present and potential ethnic, social, political, and environmental problems across select regions of the world, and explore basic solutions. SS

GEO 115 Economic Geography 3 cr
Analysis of location of population and the distribution and character of leading global economic activities: agriculture, fishing, forestry, mining, manufacturing, transportation, and trade. Field trip(s) may be required. SS

GEO 120 Introduction to Physical Geography 3 cr
The geography of Earth's physical characteristics, including weather and climate, climate types, water, soils, Earth materials, landforms and Earth resources; study of the processes and interactions creating Earth's physical geographic patterns. May not be taken for credit by students who have had GEO 125, GEO 123 or GEO 124. NS

GEO 123 Physical Geography: Weather and Climate 4-5 cr
Study of Earth's atmospheric elements in both the short term (weather events) and long term (climate and climate change). Subjects include temperature, the seasons, pressure, wind and wind systems, humidity, cloud cover, stability and precipitation, jet streams, cyclones and fronts, tornadoes and hurricanes. Study of the world's different climate regions, soils, and vegetation; climate change (Greenhouse Effect, Ice Ages); and human interaction with weather and climate. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. May not be taken for credit by students who have had GEO 120 or GEO 125. NS/LS

GEO 124 Physical Geography: Landforms 4-5 cr
Study of the evolution and distribution of Earth's surface features (landforms) and physical landscapes along with the processes shaping them. Subjects include plate tectonics, volcanoes, faults, rivers and river flow, glaciers, beaches, dunes, landslides, etc. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. May not be taken for credit by students who have had GEO 120 or GEO 125. NS/LS

GEO 125 Physical Geography 4-5 cr
The geography of Earth's physical characteristics, including weather and climate, climate types, water, soils, Earth materials, landforms and Earth resources; study of the processes and interactions creating Earth's physical geographic patterns. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. May not be taken for credit by students who have had GEO 120, GEO 123 or GEO 124. NS/LS

GEO 130 Human Impact on the Environment 3-4 cr
A natural science course describing the alteration of the physical environment with the resulting effects on air, water, soils, vegetation, animal life, and humans. Field trip(s) may be required. GEO 130 meets DPI requirements for

GEOGRAPHY - GEOLOGY

environmental education at some UW baccalaureate institutions. NS; if 4 cr, also LS and will include lab work.

GEO 170 Disasters – Living on the Edge 3-4 cr
(Same as GLG 170.) Study of various environmental hazards, their causes, impacts on humans, and mitigations. Core topics are natural hazards (earthquakes, volcanoes, flooding, landslides, tornadoes, hurricanes), and anthropogenic hazards (climate change/global warming, nuclear hazards, and overpopulation). Additional topics may be covered: coastal hazards, pollution of groundwater, air, soil, and water, other atmospheric hazards (extreme weather, droughts), impacts from space, extinctions, biohazards, chemical hazards, and terrorism. May not be taken for credit by students who have had GLG 169 or GLG 135. NS; if 4 cr, also LS and will include lab work.

GEO 200 Historical Geography of the American Frontier 3 cr
An analysis of human adjustment to and alterations of the natural environment of the United States and adjacent parts of Canada at succeeding stages of time. Emphasis given to the westward movement of settlement and the impact of major cultural groups on the land, with special attention directed to the role of these groups in the formation of the present cultural landscape. SS

GEO 277 Geography of World Energy 3 cr
An analysis of traditional and innovative energy resources. SS

GEO 291 Geographic Field Study 1-6 cr
Classroom study of an area of geographic interest followed by field study of the area. May be taken for credit more than once if topics are different. Prereq: Cons. instr. AP

GEO 297 Special Topics 1-3 cr
Designed to cover topics not ordinarily covered in existing courses, or that cannot be accommodated in existing course formats. The topics selected in this course will depend on competencies of available staff and will be announced in the course course schedule. May be taken more than once for credit if topics are different. Prereq: Cons. instr. *

GEO 299 Independent Study 1-3 cr
Individual study under the supervision of an instructor. May be taken more than once for credit if topics are different. Prereq: Cons. instr. *

GEO 300 Population: World Survey 3-4 cr
Contrasts in numbers, densities and qualities of population with emphasis on regional implication. Prereq: One semester of college work. SS

GEO 341 The United States and Canada 3 cr
Description and analysis of the physical and cultural landscapes of the United States and Canada. Prereq: One semester of college work. SS

GEO 342 Geography of Wisconsin 3 cr
The geography of Wisconsin's natural and cultural landscapes with an emphasis on their sequential development and changing patterns of land use and settlement. Natural resources, population, land utilization and economic development of the state. Field trip(s) may be required. Prereq: One semester of college work. SS

GEO 349 Northwestern Europe 3 cr
Description and analysis of the physical and cultural landscapes of Northwestern Europe. Includes the British Isles, Scandinavian countries, Low countries, France, Germany, Switzerland and Austria. Prereq: One semester of college work, or cons. instr. SS

GEO 350 Environmental Conservation 3 cr
Study of the human use, conservation, and management of Earth's resources; ecosystems; human interactions with the environment; human population growth; impact of technology on the environment; and practical solutions to environmental problems. Field trip(s) may be required. GEO 350 meets the

DPI requirements for environmental education at some UW baccalaureate institutions. Prereq: One semester of college work or cons. instr. SS

Geology

GLG 100 Introduction to Geology 3 cr
A brief study of minerals, rocks, fossils, geologic maps, and the processes creating and modifying the surface and subsurface features of Earth. Field trip(s) may be required. May not be taken for credit by students who have had GLG 101, GLG 102. NS

GLG 101 Physical Geology 4-5 cr
Study of the physical nature of Earth: the processes in operation above, on, and beneath the surface that continue to shape its physical evolution (e.g. volcanism, plate tectonics, faulting and earthquakes, glaciation, rivers); the origin and nature of common minerals and rocks and their distribution in the world; landscapes and their origins (e.g. mountain ranges, glacial forms, river valleys, etc.). Lab work includes the study of rocks and minerals, the interpretation of geologic and topographic maps and aerial photographs, along with data, map and chart analysis. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. NS/LS

GLG 102 Historical Geology 4-5 cr
Study of the history of Earth, beginning with its place in the solar system. An introduction to common rocks and minerals, to geologic principles and reasoning, and to concepts of geologic time. Study of how the physical geography of Earth has changed through time and how the changes recorded in the rock record tell of seas, mountain ranges, deserts, and ice ages throughout geologic time. Study of the fossil record and how life on Earth has changed to cope with the varying physical environments of Earth. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. NS/LS

GLG 104 Landscapes of North America 3-4 cr
(Same as GEO 104.) A general survey of the characteristics and origins of major natural/physical regions of North America, with emphasis on national parks and monuments and other public areas. Field trip(s) may be required. NS; if 4 cr., also LS and will include lab work.

GLG 107 Introduction to Maps and Air Photos 3-4 cr
(Same as GEO 107.) The use and interpretation of aerial photos and other forms of remote sensing and the basics of map reading, analysis, and interpretation including a brief introduction to the principles of map design and construction. Emphasis on topographic and thematic maps and air photos. NS; if 4 cr, also LS and will include lab work.

GLG 135 Introduction to Environmental Geology 3 cr
The physical environment and our interaction with it. Emphasis on Earth processes affecting humans, such as flooding, erosion, groundwater, landslides, and earthquakes. The impact of humans upon the environment along with the application of the science of geology to these impacts. Field trip(s) may be required. May not be taken for credit by students who have had GEO 170, GLG 169. NS

GLG 169 Environmental Geology 4-5 cr
The physical environment and our interaction with it. Emphasis on Earth processes affecting humans, such as flooding, erosion, groundwater, landslides, and earthquakes. The impact of humans upon the environment along with the application of the science of geology to these impacts. Air, water, and soil pollution studied from a physical-chemical standpoint. The depletion of energy and mineral resources and the need for humans to design with nature. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. May not be taken for credit by students who have had GEO 170, GLG 135. NS/LS

GEOLOGY - HISTORY

GLG 170 Disasters – Living on the Edge 3-4 cr

(Same as GEO 170.) Study of various environmental hazards, their causes, impacts on humans, and mitigations. Core topics are natural hazards (earthquakes, volcanoes, flooding, landslides, tornadoes, hurricanes), and anthropogenic hazards (climate change/global warming, nuclear hazards, and overpopulation). Additional topics may be covered: coastal hazards, pollution of groundwater, air, soil, and water, other atmospheric hazards (extreme weather, droughts), impacts from space, extinctions, biohazards, chemical hazards, and terrorism. May not be taken for credit by students who have had GEO 170, GLG 135 or GLG 169. NS; if 4 cr, also LS and will include lab work.

GLG 180 Forensic Geology 3-4 cr

Study of geology and how the geologic sciences contribute to the solving of crimes. The course includes examination of rocks and minerals, sediments, soil, fossils, pollen, maps and air photos as well as various geologic techniques such as optical microscopy, scanning electron microscopy, x-ray diffraction and ground-penetrating radar. The geologic subjects and techniques will be covered from a forensic point of view. The course includes hands-on approaches and development of critical observation skills. Field trip(s) required. NS; if 4 cr, also LS and will include lab work.

GLG 251 Introduction to Soil and Water Resources 4 cr

Course material is presented in an interdisciplinary manner providing a comprehensive examination of the physical, chemical, and biological properties of soil and water resources, and how these are linked to watershed processes and land use practices on the landscape level. Prereq: Previous lab science course in one of the natural science disciplines and completion or concurrent enrollment in MAT 105 or placement at the MAT 110 level or higher based on placement test score, or cons. instr. NS/LS

GLG 291 Geological Field Studies 1-6 cr

Formal classroom study of an area of geologic interest followed by field study of the area. May be taken for credit more than once. Prereq: Cons. instr. AP

GLG 297 Special Topics 1-3 cr

Designed to cover topics not ordinarily covered in existing courses, or that cannot be accommodated in existing course formats. The topics selected in this course will depend on competencies of available staff and will be announced in the course schedule. May be taken more than once for credit if topics are different. Prereq: Cons. instr.*

GLG 299 Independent Study 1-3 cr

Individual study under the supervision of an instructor. May involve seminar presentation. May be taken more than once if topic is different. Prereq: Cons. instr.*

GLG 309 Geomorphology 3 cr

Principles and analysis of geomorphic processes and resulting landforms. Field trip(s) may be required. Prereq: One of the following—GLG 100, GLG 101, GLG 135, GLG 169, GEO 120 or GEO 124. NS

GLG 343 Glacial and Pleistocene Geology 3 cr

Principles, characteristics and work of glaciers; events of the Pleistocene Period. Field trip(s) may be required. Prereq: One of the following—GLG 100, GLG 101, GLG 135, GLG 169, GEO 120 or GEO 124. NS

German (see World Languages)

History

HIS 101 History of the United States: From the Era of the Columbian Exchange to the Era of the Civil War 3 cr

A survey of American political, economic, social, and intellectual history from the Age of European Exploration and the period of colonization to the era of the American Civil War. As an Ethnic Studies (ES) course, this course

thoroughly integrates the experiences of African Americans, Native Americans, Hispanics, and/or Asian Americans into US history in a manner that fosters understanding and appreciation of the perspectives and experiences of at least two of these groups as well as their contributions to, and interactions within, American society. SS/ES

HIS 102 History of the United States: From the Era of the Civil War to the Present 3 cr

A survey of American political, economic, social, and intellectual history from the era of the Civil War to the present. As an Ethnic Studies (ES) course, this course thoroughly integrates the experiences of African Americans, Native Americans, Hispanics, and/or Asian Americans into US history in a manner that fosters understanding and appreciation of the perspectives and experiences of at least two of these groups as well as their contributions to, and interactions within, American society. SS/ES

HIS 105 History of Western Civilization from Ancient Times to the Era of the Renaissance 3-4 cr

Survey of Western Civilization from ancient times through the Renaissance, emphasizing the distinctive features of Western culture, political development, economic development and the contributions made by non-Western people. HU

HIS 106 History of Western Civilization from the Era of the Renaissance to Contemporary Times 3-4 cr

Survey of Western Civilization from the Renaissance to contemporary times, emphasizing the further development of Western culture, political institutions and economic institutions, including reference to the interaction among the peoples of the modern world. HU

HIS 111 Ancient History 3 cr

Survey of the history of civilization from the beginnings in Mesopotamia and Egypt through Classical Greece with emphasis on institutional and social development. HU

HIS 112 Ancient History 3 cr

Survey of the history of civilization from Alexander the Great through the fall of the Roman Empire with emphasis on institutional and social development. HU

HIS 119 The Making of Modern Europe 3 cr

An introduction to the principal developments in the history of Europe from the Renaissance to the fall of Napoleon. HU

HIS 120 Europe and the Modern World 1815 to the Present 3 cr

A general survey of the political, economic, social and cultural history of modern Western civilization. HU

HIS 127 The World in the Twentieth Century 3 cr

Survey of the major trends in Europe, Asia, Africa and the Americas since 1900; the two world wars; the social and political revolutions of our time; Fascism and Communism; and the new states of Africa and Asia. SS

HIS 161 World History to 1500 3-4 cr

A topical approach to the history of premodern humankind. Special attention will be given to the emergence, development and interaction of civilizations in Asia, Africa, Europe and the Americas. HU

HIS 162 World History since 1500 3-4 cr

A topical history of global humankind with emphasis on the rise of the West to world dominance and the various ways in which the peoples of Africa, Asia and Latin America have responded to the Western challenge. HU

HIS 208 The Film as Social History 3 cr

This course will focus on the feature and documentary films produced in a particular historical period or on a specific historical topic. Through viewing selected films, the student will gain a deeper understanding of the motion picture's significance as an historical document, as well as its function as a propaganda device. The course will relate the thematic content of the selected

HISTORY

films to the specific historical context in which they were produced and consumed. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 210 Work and Workers in US History 3 cr

This course examines changes in work methods, culture and the experiences of working people in US history from colonial days through the present. Topics include: indentured servitude and free labor in colonial America, slavery in the antebellum US, industrialization, the rise and fall of unions, the role of workers in the two World Wars, and the technological and service industries of the late 20th and early 21st centuries. As an Ethnic Studies (ES) course, this course thoroughly integrates the experiences of African Americans, Native Americans, and Hispanics into US labor history in a manner that fosters understanding and appreciation of the perspectives and experiences of these groups as well as their contributions to, and interactions within, America's wider labor history. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS/ES

HIS 211 History of the American Frontier 3 cr

A history of the American frontier emphasizing the influence and role of the frontier in the development of American society from the colonial period to the present, focusing on the creation of and disputes over what became the Trans-Mississippi West. As an Ethnic Studies (ES) course, this course examines the frontier as a borderland where African Americans, Native Americans, Hispanics, Asian Americans and Euro-Americans met and interacted. It will foster an understanding and appreciation of the perspectives of each group. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS/ES

HIS 213 Recent Latin America 3 cr

Recent development of Hispanic and Portuguese America, emphasizing the evolution of independent states. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 214 Modern Revolutions 3 cr

An introduction to the study of history through the examination of revolutionary eras. Case studies may include but are not limited to the following options: the American, French, Russian, Chinese, Cuban, and Iranian revolutions, and the Revolutions of 1848 and 1989. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 215 Medieval Europe 3 cr

General introduction to the history of Europe, from the later Roman Empire to the end of the Middle Ages. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. HU

HIS 216 Germany 1815-present 3 cr

Political, social, economic and cultural developments from the end of the Napoleonic wars, through the founding of the German Empire, World War 1, the Weimar Republic, the Nazi era, World War II and the postwar period. Emphasis is on evolution of conservatism, liberalism, socialism and nationalism; the rise of Hitler and National Socialism; and the reorientation of Germany after 1945. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 218 The United States and Vietnam 3 cr

An investigation of the war in Southeast Asia, 1945-1975, focusing on these topics: French colonialism, Vietnamese nationalism, American entry, the escalation of the American role, the debate on American policy, American withdrawal, conclusion of the fighting and long-term effects. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 219 History of Modern Russia 3 cr

A consideration of the major themes and personalities of Russian history since 1917. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 221: The First World War 3 cr

This course examines the causes, course and consequences of the First World War. Major topics include: the origins of the war, the reasons for the failure of early military plans and the onset of trench warfare; the dawn of "total war;" the reasons for the eventual Allied victory; the peace negotiations and consequences of the war in not only Europe but in the Middle East, Africa, and Asia as well. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 222 Recent Chinese History 3 cr

This course examines major events, personalities, and trends in twentieth-century China. Among the topics examined are the end of the Qing dynasty, the 1911 revolution, the Japanese occupation, the civil war, the Great Leap Forward, the Cultural Revolution, post-Mao China, and economic, environmental, political, and demographic challenges facing contemporary China. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 223 English History: England to 1688 3 cr

General survey of the political, economic, social and cultural history of England from earliest historic times. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 224 British History: 1688 to the Present 3 cr

General survey of the political, economic, social and cultural history of Great Britain. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 226 Twentieth Century Europe 3 cr

Study of the major political, social and cultural developments of Europe since 1900. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 240 Primary Sources in History 3 cr

The study of specific historical topics through the use of primary sources. Includes exposure to techniques and problems of using and interpreting original sources. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 250 History of the Family 3 cr

The pre-industrial family; the effect of industrialism, child rearing, courtship, adolescence, domestic life, old age, death and dying. Emphasis on American and/or European experience. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 253 History of Paris 3 cr

This course will focus on the history of Paris, France from 1700 to the present. Drawing upon a variety of historical, literary and artistic sources, the history of French civilization will be explored, with emphasis on politics, economics, social and artistic movements. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HISTORY

HIS 254 American Foreign Relations, 1763 to the Present 3 cr

America's relations with the world, emphasizing the economic, political and ideological elements determining policy. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 255 Proseminar in History 3 cr

This course will explore an historical topic through readings, discussion and written assignments. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr.*

HIS 256 Topics in History 1-3 cr

This course will explore in depth an historical topic through lectures, discussions, readings and written assignments. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr.*

HIS 257 Origins and History of World War II 3 cr

Background and history of World War I. Problems of peacemaking and international organization, rise of Fascism, National Socialism and Japanese imperialism; breaking the peace; World War II. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 258 The Holocaust: Politics of Peace, Nationalism and War 3 cr

This class presents students with the historical background and current scholarly debate about the best documented genocide in recent history. A combination of race based thinking, radical nationalism and brutality occasioned by war opened the door to the Nazi Party to lead Germans and other Europeans in a systematic campaign to eliminate the Jews. Students will explore a variety of sources produced during and after the period. Including films, posters and literature. Raised will be questions about the limits of obedience to authority, what constitutes "race" or "ethnic" differences, and ultimately whether or not guilt for related crimes can ever be forgiven. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 260 Rise and Fall of Nazi Germany 1919-1949 3 cr

This class will begin with the emergence of radical nationalism in Germany after its defeat in World War I along with the failures of parliamentary democracy in the Weimar republic. The course will focus on the political and cultural fears that enabled Hitler's rise to power, the economic and racial policies pursued by the government during its first six years in power, and then the provocation of world war. Additionally, the class will deal with post-war defeat, and in the division of Germany into separate nations. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS/EL

HIS 261 Crime and Punishment in Europe and America Since 1500 3 cr

History of crime and punishment in Europe and America since 1500. Emphasis on social context of the legislative creation of new crimes, the origin of prisons, changes in the types of crimes committed as urbanization and industrialization advance, the evolution of the criminal justice systems in Europe and America, and the comparison and interpretation of differential crime rates in Europe and America. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 262 The Sources of Racist Thinking in Western Civilization and its Impact on the World of the Americas 3 cr

Starting with Columbus, explores the myths and ideas establishing racist thinking. In the societies Europeans set up in the Americas and the United States. As an Ethnic Studies (ES) course, this course thoroughly integrates the

experiences of African Americans, Native Americans, and Asian Americans into US history in a manner that fosters understanding and appreciation of the perspectives and experiences of these groups and their interactions within American society. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS/ES

HIS 270 American Business History 3 cr

The role of business in American society from colonial times to the present. Changes in managerial practices within the firm and in relation to the larger community. Origins of American capitalism, appearance of corporate organization, work patterns, changing business ethics and their legal environment, government regulation and international trade. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 271 History of Science and Technology 3 cr

This course surveys American and/or Western scientific thought from its origins to the present. It also focuses on how scientific thought becomes translated to everyday life through technology. It also examines how science and technology affects government, economics, and culture. Emphases on American and/or Western science and technology. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 272 History and Culture of the Sciences 3 cr

This course will examine, in a historical context, how science has been constructed and how it has interacted with other aspects of society, such as politics, religion, culture and economics. These themes will be addressed by closely studying two transformations in scientific and human thought: first, the shift from an Earth-centered to a sun-centered universe, and second, the development of the theory of Evolution by natural selection. Finally, the course considers briefly the emergence of new major scientific and cultural transitions which are now occurring. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. HU

HIS 275 The Modern Middle East 3 cr

This course will familiarize students with the major contours of Middle Eastern history from the times of Muhammad, during the seventh century C.E., to the present, with special emphasis on the twentieth century. We will treat issues of politics, economics, diplomacy, war, and social, cultural, and intellectual change and continuity, placing particular importance on developing an understanding of nationalism and Islam in the modern Middle East. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. HU

HIS 277 Indians in American History 3 cr

This course surveys U.S. history with emphasis on contact in the age of exploration, interactions over time between Europeans and Native Americans, and adaptations and conflicts that emerged. The course will approach this from social, political, and economic perspectives from the colonial period to the present. This Ethnic Studies (ES) course focuses on understanding the perspectives of Native Americans. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS/ES

HIS 278 History of Minorities in America 3 cr

This course will explore the role of racial minorities including African Americans, Native Americans, Hispanics, and Asian Americans. As an Ethnic Studies (ES) course, this course thoroughly integrates the experiences of these groups into US history in a manner that fosters understanding and appreciation of their perspectives and experiences as well as their contributions to, and interactions within, American society. Many instructors also explore

HISTORY - LECTURE FORUM

the experiences of ethnic, religious, and sexual minorities, or other traditionally underrepresented groups. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS/ES

HIS 279 Women in American History 3 cr
(Same as WOM 280.) This course will focus on the struggle by women to acquire social equality and access to equal opportunity and political rights from the colonial times to the present. Students will learn about key figures in the areas of social reform, the right to vote, and fight against job discrimination while exploring the larger historical context in which these leaders operated. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 280 History of the Great Lakes Region, 1600-1870 3 cr
This course traces the development of the Great Lakes Region as a distinct physiographic, economic, political and cultural area in North America. The historical development of such an international region within the context of traditional nationalism and international rivalry, as well as its impact and influence within the respective nations. A frame of reference is provided for comparison with other regions within the North American milieu. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 283 Modern War and American Life 3 cr
An investigation of the impact of the Civil War, World Wars I and II, and the Cold War on American society. The home front will be emphasized, with attention to wartime politics and the wartime economy, civil liberties, and the social effect of war. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 285 Recent American History, 1917-1945 3 cr
Political, social, economic and cultural changes in America during World War I, the Twenties, the Great Depression and World War II. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 286 Recent American History, 1945-Present 3 cr
Origins and history of the Cold War, McCarthyism, the Fifties, the Civil Rights movement, the war in Indochina, and Watergate and its aftermath. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 288 Representative Americans 3 cr
A biographical approach; evaluation of contributions of leading Americans to the nation's development. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 289 Colonial and Revolutionary America, 1607-1789 3 cr
The establishment and political, social and economic development of the English colonies in North America; origins and consequences of the American Revolution; and the establishment of the new nation. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 290 History of Wisconsin 3 cr
History of Wisconsin from the beginning of the historical period to the present, with emphasis on the economic and social aspects of Wisconsin history since 1815. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 293 Civil War and Reconstruction 3 cr
Analysis of slavery in the Old South, the anti-slavery movement, the conflict between the North and South (sectionalism), the significance of the Civil War, presidential and congressional reconstruction, the position of the freedmen in the South and postwar America. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 297 The United States, 1917 to the Present 3 cr
Political, social, economic and cultural changes in America during World War I, the Twenties, the Age of the Great Depression, World War II, postwar America and the ripening Civil Rights movement. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

HIS 299 Independent Studies 1-3 cr
Extensive reading for the purpose of surveying the literature on a particular historical subject, possibly including a research project, under the personal supervision of the instructor. The subject matter is open, to be determined by the student and instructor. Students will be encouraged to use off-campus resources when available. Prereq: Cons. Instr.*

Interdisciplinary Studies

INT 290 Special Topics in Interdisciplinary Studies 1-5 cr
Interdisciplinary courses designed to help students learn to integrate knowledge from across the curriculum. Includes investigation of the multiple dimensions of the given subject by applying the content, methods and assumptions of two or more disciplines as presented by instructors from those disciplines.*

Italian (see World Languages)

Lecture Forum

LEC 100 First-Year Seminar 1-3 cr
A course that helps students make the transition to college by promoting active learning as well as student involvement and responsibility in the learning process, assisting students in the development of life management skills, and engaging students on campus. Each LEC 100 section incorporates a specific subject of inquiry. Consult the campus course schedule for additional information. EL

LEC 101 University Forum 1 cr
A lecture-discussion course designed to introduce students to current problems and significant issues. Open to freshmen and sophomores. May be taken three times for a maximum of three credits.*

LEC 102 Library and Research Seminar 1-2 cr
This course will explore research processes using print and electronic formats. It includes the identification and analysis of searches and sources, the proper organization and integration of information gathered, and the consideration of intellectual property issues. No prereq. EL

LEC 104 Course Supplement 1 cr
A lecture-discussion course used to supplement and explore concepts and ideas as designated by the instructor. May be taken up to three times for a maximum of three credits. EL

LEC 105 Greek and Latin Origins of Medical and Scientific Terminology 2-3 cr
The course is designed to acquaint students pursuing science and other majors with the origins of technical terms they are likely to encounter. EL

LECTURE FORUM - MATHEMATICS

LEC 200 Sophomore Seminar

1-3 cr

A course designed to enhance the sophomore experience and position students for success as they prepare to complete Bachelor-degree studies. Topics may vary from one course to another and may focus on developments in various academic fields and professions, on values and issues in the contemporary workplace, and/or on other topics designed to assist students at this point in their undergraduate education. Course might complement internship opportunities. EL

LEC 250: Designing a Dynamic World Language Program

1 cr

This class provides you with the tools to design a dynamic language program for yourself, your students or your organization. It is designed for anyone who wants to learn a second language; teachers of second languages including ESL; principals and other administrators who want to understand the basis for organizing an effective second language program in their schools. Managers from business and non-profits may also benefit from this information. During most of the course, objectives will be demonstrated using beginning Mandarin Chinese. EL

LEC 251 Differentiation of Instruction for Language Learners

1 cr

Through demonstration of active, hands-on and practical methods and techniques, this course helps language instructors examine the characteristics of an effective differentiated classroom. You will learn how to frame instruction around mastery of the standards and how to introduce differentiation of content, process and products and differentiating on the basis of students' readiness, interest and learning profiles. Special concerns of differentiation in the world language classroom will also be discussed. This is learning-by-doing course. Methods and techniques will be demonstrated using beginning Mandarin Chinese. EL

LEC 252 Active Language Learning

1 cr

This learning-by-doing course provides practical methods and activities that tap the communication modality and help transform language classrooms into dynamic and stimulating learning environments. Methods will be demonstrated using Mandarin Chinese. EL

LEC 290 Special Topics in Integrated Studies

1-4 cr

Interdisciplinary courses involving components and faculty from more than one breadth area. Must have a departmental sponsor, approval of the Senate Curriculum Committee, and endorsement of all departments involved. EL

LEC 300 Study Abroad

3-18 cr

Resident study for an extended period at an approved university or other institution of higher education outside of the United States. Admission requirements, prerequisites, and costs will vary depending on the site and program of study. Complete information is available from your campus Student Services Office.*

Mathematics

The successful completion of the equivalent of one course in geometry is a prerequisite for all credit mathematics courses.

MAT 105 Introduction to College Algebra

3-4 cr

Emphasizes algebraic techniques with polynomials, fractional expressions, exponents and radicals, linear and quadratic equations, and inequalities. Introduction to functions, their graphs and analytic geometry. Prereq: A grade of C or better in Elementary Algebra or placement based on placement test score. EL

MAT 108 Quantitative Reasoning

3 cr

This course is intended to develop analytic reasoning and the ability to solve quantitative problems. Topics to be covered include construction and interpretation of graphs, functional relationships, descriptive statistics, geometry and spatial visualization, math of finance, exponential growth, and

basic probability. Appropriate use of units and dimensions, estimates, mathematical notation and available technology will be emphasized throughout the course. Prereq: a) two years of high school algebra, b) a grade of C or better in MAT 105, or c) course(s) equivalent to a) or b). MS

MAT 110 College Algebra

3 cr

Definition of function; linear and non-linear functions and graphs including logarithmic and exponential functions; systems of linear equations; theory of polynomial equations and optional topics such as mathematical induction, matrix solution of linear systems and Cramer's rule. Prereq: A grade of C or better in MAT 105 or placement based on placement test score. MS

MAT 113 Trigonometry

2 cr

Trigonometric functions, their basic properties and graphs, identities, inverse trigonometric functions, solving trigonometric equations, solutions of triangles. Prereq: a) a grade of C or better in MAT 110 or b) concurrent registration in MAT 110 or c) placement based on placement test score. MS

MAT 117 Elementary Statistics

3 cr

The primary aim of the course is a basic understanding and use of statistical concepts and methods to facilitate study and research in other disciplines. Includes measures of central tendency, measures of variability, grouped data, the normal distribution, central limit theorem, hypothesis testing, estimation, T-distribution and chi square test. Prereq: A grade of C or better in MAT 105 or MAT 108 or equivalent. MS

MAT 124 Pre-Calculus Mathematics

5 cr

Functions and graphs, including linear, polynomial, logarithmic and exponential functions; complex numbers and theory of equations; binomial theorem; mathematical induction; trigonometric functions, their basic properties and graphs; identities; inverse trigonometric functions; solving trigonometric equations; de Moivre's theorem. Students may not earn more than five credits of any combination of MAT 110, MAT 113 and MAT 124. Prereq: A grade of C or better in MAT 105 or placement based on placement test score. MS

MAT 130 Mathematics for Elementary Teachers

4 cr

A mathematics content course for prospective elementary teachers. Emphasis is on development of properties of arithmetic. Topics also may include elementary concepts of algebra, probability and statistics. Four hours lecture or three hours lecture and two hours laboratory per week. Prereq: A grade of C or better in MAT 105 or MAT 108, or two years of high school algebra and one year of high school geometry, or cons. instr. MS

MAT 132 Geometry for Elementary Teachers

4 cr

The course emphasizes geometric concepts. Topics also may include concepts of algebra, probability and statistics. Four hours lecture or three hours lecture and two hours laboratory per week. Prereq: A grade of C or better in MAT 105 or MAT 108, or two years of high school algebra and one year of high school geometry, or cons. instr. MS

MAT 140 Survey of Mathematics

3 cr

A course emphasizing the nature of mathematics, an appreciation of mathematical concepts and reasoning, and the development of mathematical systems. It is not intended as preparation for other mathematics courses. MS

MAT 210 Topics in Finite Mathematics

3-4 cr

Matrices, linear programming and applications, probability, Markov chains and mathematics of finance. Prereq: A grade of C or better in MAT 110 or MAT 124 or equivalent, or placement based on placement test score. MS

MAT 211 Calculus

4-5 cr

Primarily for students in business, the social sciences and biological sciences who wish to acquire some knowledge of the techniques and applications of calculus. Topics include concepts, techniques, and applications of differential and integral calculus and multivariate calculus. Students who are preparing to major in mathematics, engineering or physical sciences should enroll in the

MATHEMATICS - MUSIC

MAT 221-222 sequence. Students may not earn more than six credits by taking both MAT 211 and MAT 221. Prereq: A grade of C or better in MAT 110 or MAT 124 or equivalent, or placement based on placement test score. MS

MAT 221 Calculus and Analytic Geometry I 5 cr
Analytic geometry, functions, limits and continuity, the derivative, integrals, techniques and applications of differentiation, applications of integration, logarithmic and exponential functions and trigonometric functions. Students may not earn more than six credits by taking both MAT 211 and MAT 221. Prereq: A grade of C or better in MAT 124 or MAT 110 and MAT 113 or equivalent, or placement based on placement test score. MS

MAT 222 Calculus and Analytic Geometry II 5 cr
Continuation of 221. Techniques of integration, polar coordinates, conic sections, infinite series and vectors of two and three dimensions. Note: the order of topics covered in MAT 221 and MAT 222 may depend on the text used and the instructor. Prereq: A grade of C or better in MAT 221 or placement based on the department Calculus Proficiency Test or AP exam. MS

MAT 223 Calculus and Analytic Geometry III 4-5 cr
Continuation of MAT 222. Analytic geometry of three dimensions, functions of several variables, partial differentiation, multiple integration and introduction to differential equations. Prereq: A grade of C or better in MAT 222 or equivalent. MS

MAT 224 Linear Mathematics 4 cr
Introduction to linear algebra, vector spaces, matrices, linear transformations and eigenvalues. Ordinary differential equations and linear systems of differential equations. Laplace transforms. Prereq: A grade of C or better in MAT 223 or equivalent. MS

MAT 230 Discrete Mathematics 3 cr
An introduction to discrete mathematics with emphasis on topics applicable to computer science. Topics include symbolic logic, sets and relations, induction and recursion, counting techniques, algorithm analysis, graphs and digraphs, and Boolean algebra. Prereq: A grade of C or better in MAT 124, or cons. instr. MS

MAT 234 Calculus of Several Variables 3 cr
Continuation of MAT 222. Analytic geometry of three dimensions, functions of several variables, multiple integration. This course is equivalent to MAT 223 without differential equations. Students may not receive credit for both MAT 223 and MAT 234. Prereq: A grade of C or better in MAT 222 or equivalent. MS

MAT 240 Statistical Analysis 3 cr
Elements of probability theory; collection and presentation of sample data; basic problems of statistical inference; applications, including quality control; regression; and hypothesis testing. Prereq: A grade of C or better in MAT 211, MAT 221 or equivalent. MS

MAT 262 Linear Algebra 3 cr
Matrix algebra, linear systems of equations, vector spaces, subspaces, linear dependence, rank of matrices, determinants, linear transformations, eigenvalues and eigenvectors, diagonalization, inner products and orthogonal vectors, and symmetric matrices. Prereq: A grade of C or better in MAT 222. MS

MAT 271 Ordinary Differential Equations 3 cr
Ordinary differential equations of the first and second order, series solutions, higher order linear equations, the Wronskian, Laplace transform and applications, numerical methods and boundary value problems. Prereq: A grade of C or better in MAT 222. MS

MAT 290 Special Topics in Mathematics 1-3 cr
A course focusing on a selected topic or set of topics selected by the instructor to meet special needs and interests of students. Prereq: a grade of C or better in MAT 124 or MAT 211 or equivalent and cons. instr.*

MAT 299 Independent Reading in Mathematics 1-3 cr
Prereq: Sophomore standing and cons. instr.*

Meteorology

MLG 100 Introduction to Meteorology 3-4 cr
Introductory course in meteorology. Study of atmospheric processes, weather elements (temperature, pressure, moisture, wind, clouds, precipitation), and weather systems (storm systems and fronts; thunderstorms, tornadoes, and hurricanes); forecasting and weather map analysis. NS; if 4 cr, also LS with lab work.

Music

MUS 001 Beginning Piano 1-2 cr
A study of basic piano technique toward skill in playing five-finger patterns and triads in all major and minor keys, chord progressions in all major keys, major and harmonic minor scales, basic transposition, legato and staccato touch and responsiveness to phrasing. Prereq: Cons. instr. AP

MUS 002 Beginning Piano 1-2 cr.
A continuation of skills learned in MUS 001 extending beyond five-finger patterns, including more complex chord progressions, varied types of touch control, additional major and harmonic minor keys and scales, and sixteenth note rhythms. Prereq: Successful completion of MUS 001 and/or cons. instr. AP

MUS 003 Elementary Piano 1-2 cr.
A continuation of skills learned in MUS 002, including dexterity playing major and harmonic minor scales and arpeggios, harmonization of a given melody with block chord accompaniment, playing various rhythms including syncopation in simple, compound and asymmetric meters, and reading and playing two parts including alto or tenor clef. Prereq: Successful completion of MUS 002 and/or cons. instr. AP

MUS 004 Elementary Piano 1-2 cr.
A continuation of skills learned in MUS 003 adding scales and arpeggios in additional keys, harmonizing a given melody with an arpeggiated chordal accompaniment, reading and playing in three and four part score format, and additional and varied repertoire. Prereq: Successful completion of MUS 003 and/or cons. instr. AP

MUS 070 Orchestra 1-2 cr
Open to all students by audition. AP

MUS 071 Band 1-2 cr
Open to all students by audition. AP

MUS 072 Chorus 1-2 cr
Open to all students by audition. AP

MUS 074 Jazz Ensemble 1-2 cr
Open to all students by audition. AP

MUS 075 Small Vocal Ensemble 1-2 cr
Open to all students by audition. AP

MUS 076 Instrumental Chamber Ensemble 1-2 cr
Open to all students by audition. AP

MUS 107 Vocal Techniques 2 cr
Theory and practice in fundamentals of singing. AP

MUS 115 Woodwind Techniques 2 cr
Theory and practice in fundamentals of woodwind performance. AP

MUS 130 Brass Techniques 2 cr
Theory and practice in fundamentals of brass performance. AP

MUSIC

Applied Music Courses (MUA), 1-2 cr

Note: Applied Music courses are required for Music Majors.

First-semester students will be limited to one-credit on their primary instrument. AP

	Beginning	Elementary	Intermediate	First	Second	Third
Piano			005 006	105,106	205,206	305,306
Organ	069 070		093 094	103,104	203,204	
Voice	007 008		009 010	109,110	209,210	
Guitar	011* 012*		013* 014*	113,114	213,214	
Flute	015		016 017	116,117	216,217	
Oboe	018		019 020	119,120	219,220	
Clarinet	021		022 023	122,123	222,223	
Saxophone	024		025 026	125,126	225,226	
Bassoon	027		028 029	128,129	228,229	
Horn	030		031 032	131,132	231,232	
Trumpet	033		034 035	134,135	234,235	
Trombone	036		037 038	137,138	237,238	
Baritone	039		040 041	140,141	240,241	
Tuba	042		043 044	143,144	243,244	
Percussion	045		046 047	146,147	246,247	
Violin	048		049 050	149,150	249,250	
Viola	051		052 053	152,153	252,253	
Cello	054		055 056	155,156	255,256	
String Bass	057		058 059	158,159	258,259	
Harp	060		061 062	161,162	261,262	
Recorder	063		064 065	163,164	263,264	
Harpichord	066		067 068	169,170	271,272	

*Beginning and Intermediate Guitar may be taught as a class.

MUS 131 Theory Fundamentals 2 cr

A continuation of the study of music fundamentals including notation, rhythm, intervals, scales and chords, sight-singing, ear-training and keyboard fundamentals. This course may also serve as preparation for MUS 171 Music Theory and MUS 181 Aural Skills. EL

MUS 145 Percussion Techniques 2 cr

Theory and practice in fundamentals of percussion performance. AP

MUS 147 String Techniques AP 2 cr

Theory and practice in fundamentals of string performance. AP

MUS 170 Fundamentals of Music 3 cr

This course is designed to acquaint the student with the fundamentals of music through experiences with the keyboard, rhythm instruments, singing, listening, and note reading. Acceptable as preparation for a music major or minor program. AP

MUS 171 Music Theory I 3 cr

A detailed study of the development of Western Music's structural techniques and basic compositional components through the study and analysis of harmony and introduction to counterpoint. Notation, rhythm, major and minor keys, modes, root position triads, inverted chords, non-harmonic tones and an introduction to part writing will be studied. Includes keyboard work to examine, explore and understand the materials studied. While the course is open to the general student with consent of instructor and on some campuses successful passage of a theory placement examination, Music Theory I is required of students planning a music major or minor. Concurrent enrollment in MUS 181 is strongly encouraged. FA

MUS 172 Music Theory II 3 cr

Continuation of MUS 171. Melodic harmonization, voice-leading, harmonic and rhythmic progression, dominant seventh and leading-tone seventh chords, non-dominant seventh chords, introduction to modulation, secondary dominant and leading-tone chords, introduction to two and three-part forms and counterpoint will be studied. While the course is open to the general student, Music Theory II is required of students planning a music major or minor. Concurrent enrollment in MUS 182 is strongly encouraged. Prereq: Music 171. FA

MUS 173 Music Literature and Appreciation 3cr

A guide to the understanding of music through listening experiences in the various styles and historical periods. FA

MUS 174 Music Literature and Appreciation 3 cr

A guide to the understanding of music through listening experiences in the various styles and historical periods. Although a continuation of MUS 173, MUS 173 is not a prerequisite for admission to this course. FA

MUS 181 Music Theory Aural Skills I 2 cr

Development of skills in sight-singing and ear-training. Required of students planning a music major or minor. Concurrent enrollment in MUS 171 is strongly encouraged. AP

MUS 182 Music Theory Aural Skills II 2 cr

Development of skills in sight-singing and ear-training. Required of students planning a music major or minor. Concurrent enrollment in MUS 172 is strongly encouraged. Prereq: MUS 181. AP

MUSIC - PHILOSOPHY

MUS 271 Music Theory III 3 cr
A continuation of MUS 172 with an introduction to advanced harmony and counterpoint. Concepts of counterpoint, harmonic sequences, chromatic harmony, advanced modulation, Neapolitan and augmented sixth chords, more complex forms such as sonata, concerto, sonata-rondo and the fugue will be studied. Required of students planning a music major or minor. Concurrent enrollment in MUS 281 is strongly encouraged. Prereq: MUS 172. FA

MUS 272 Music Theory IV 3 cr
A continuation of MUS 271. Embellishing chromatic chords, dominant prolongation, modulation to foreign keys, harmonic sequences, chromatic voice-leading, introduction to 20th century techniques including set theory, 12-tone serial techniques, pointillism, polytonality, cluster techniques, microtones, indeterminacy and 20th century notation will be studied. Required of students planning a music major or minor. Concurrent enrollment in MUS 282 is strongly encouraged. Prereq: MUS 271. FA

MUS 273 Jazz History and Appreciation 3 cr
An introduction to the styles and forms of jazz through a study of its history, literature, cultural influences musical structure, and prominent performers. Includes recorded listening experiences. FA/ES

MUS 278 History of Rock and Roll 0-3 cr
A study of rock and roll with an emphasis on the roots, origins and influential figures in the history of this cultural phenomenon. Includes recorded listening experiences. FA/ES

MUS 280 Conducting 2 cr
Conducting techniques; emphasis on practical application to vocal and instrumental groups. AP

MUS 281 Music Theory Aural Skills III 2 cr
Development of aural skills in sight-singing and ear-training. Required of students planning a music major or minor. Concurrent enrollment in MUS 271 is strongly encouraged. Prereq: MUS 182. AP

MUS 282 Music Theory Aural Skills IV 2 cr
Development of aural skills in sight-singing and ear-training. Required of students planning a music major or minor. Concurrent enrollment in MUS 272 is strongly encouraged. Prereq: MUS 281. AP

MUS 285 World Music 3 cr
A guide to the understanding of non-Western and ethnic Western music through guided listening experiences of representative music throughout the world; the study of the effect of demographics and geographic concepts within a culture; and the resulting impact on America's diverse musical culture. FA

MUS 295 Selected Studies 0-3 cr
Single course offerings not listed in the catalog, reflecting individual campus interests. Prereq: Cons. instr.*

MUS 299 Independent Studies 0-3 cr
An independent study of a musical topic. Depth, breadth, content and scope of the independent study to be determined by the instructor subject to approval by the music department chair. May include a recital, participation in a musical, opera or music theater workshop. Prereq: Cons. instr.*

Natural Resources (see *Biological Sciences*)

Philosophy

PHI 101 Introduction to Philosophy 3 cr
An introduction to philosophy as the activity of clarifying ideas, developing positions, and evaluating arguments on problems such as what is, what ought to be, freedom, God and knowledge. Some reference to positions of leading figures and schools of thought in the history of philosophy is usually involved. HU

PHI 201 Asian Philosophy 3 cr
(Same as REL 201.) An introduction to Asian philosophy through a study of opposing views about knowledge, nature, society and the individual. Areas of emphasis may include Chinese, Indian, Japanese and Muslim thought. HU

PHI 202 Feminist Philosophy 3 cr
(Same as WOM 202.) An introduction to feminist philosophies through a study and critique of traditional and feminist views about women, their lives, society and knowledge, with particular attention to theories of women's oppression. HU

PHI 203 American Indian Philosophies 3 cr
(Same as REL 203.) A study of philosophical aspects of American Indian world views and practices—including a study of myth, ritual and ceremony—with an emphasis on systems of knowledge, explanations of natural phenomena, social and life cycle philosophies, and relations to nature. Attention will be given to historical and contemporary relations between American Indian and White cultures. HU/ES

PHI 205 Philosophy of Love, Sex, and Friendship 3 cr
A philosophical examination of the nature and value of different sorts of intimate companions—friends, lovers, and families. HU

PHI 210 Thinking Critically 3 cr
Argument in familiar contexts; emphasis on improving the student's skills in making and evaluating arguments. AP

PHI 211 Elementary Logic 3 cr
Principles, standards and methods of distinguishing good reasoning from bad, as applied to deductive and inductive inferences. The course largely consists of substituting symbols for statements in arguments and understanding and assessing the logical structure of these arguments. May include a discussion of the nature and detection of fallacies and linguistic pitfalls affecting reasoning. MS

PHI 215 Theory of Knowledge 3 cr
Study of the grounds of rational belief and knowledge and the methods used for obtaining them, with particular emphasis on problems of evidence and truth. HU

PHI 220 Philosophy of Science 3 cr
An introduction to the presuppositions underlying the natural and social sciences; their nature and function, the logic of scientific method, and analysis of basic concepts such as cause, probability, determinism and teleology. HU

PHI 226 Philosophical Ideas in Literature 3 cr
A study of philosophical and moral ideas as embodied in selected works of literary art: aesthetic analysis of their structure and content. HU

PHI 233 The Concept of Mental Illness 3 cr
Examination of various definitions of mental illness and exploration of the issues different definitions raise. Topics covered include but are not confined to: the history of ideas of madness; the concept of disease and mental health and/or normalcy; the medical model; legal definitions. Representation of how various mental conditions appear is part of the course. HU

PHI 237 Technology, Values, and Society 3 cr
An examination of ethical issues in technology, which may include freedom, censorship, privacy, equality, democratic participation, intellectual property, education, law enforcement, institutional change, and work. HU

PHI 240 Existentialism 3 cr
An introduction to existential philosophy through critical examination of philosophical problems found in the writings of selected existential philosophers from Kierkegaard to the present. HU

PHI 241 Ethics 3 cr
Nature of moral problems and of ethical theory, varieties of moral skepticism, practical ethics and the evaluation of social institutions. HU

PHILOSOPHY - PHYSICAL EDUCATION AND ATHLETICS

PHI 242 Social and Political Philosophy 3 cr
Studies of differing philosophical views about humankind and its political and social life. HU

PHI 243 Business Ethics 3 cr
(Same as BUS 242.) Critical discussion of ethical reasoning and moral values in business and industry; includes relevant case studies and readings. HU

PHI 244 Environmental Ethics 3 cr
Philosophical examination of both traditional and recent concepts and values which structure human attitudes towards the natural environment. HU

PHI 248 Biomedical Ethics 3 cr
Study of ethical issues pertaining to medicine and related biological sciences. Issues covered usually include abortion, euthanasia, truth telling, confidentiality, experimentation on human subjects, behavior modification, genetic engineering, criteria of death, organ transplants, professional relationships and professional duties. HU

PHI 253 Philosophy of the Arts 3 cr
Examination of production, appreciation and criticism of works of art; sources and uses of standards. HU

PHI 258 Human Nature, Religion and Society 3 cr
(Same as REL 258.) Study and critique of the views of theistic and secular writers concerning religion and its relationship to individual and social problems. HU

PHI 259 Philosophy and Racism 3 cr
Examination of the concept of race in the societies that use this notion to structure themselves—with concentration on its use in the United States. The following topics are part of the course: what racism is, particularly how racism is seen from the dominant standpoint as opposed to how racism is seen from those who experience it; how the structure of racism has differed in regard to different ethnic groups; comparison of the experience of at least two different ethnic groups in the US in this regard; the place (or lack of place) of (im)morality in the creation of and in solutions to the problem. HU/ES

PHI 261 Philosophy of Religion 3 cr
(Same as REL 261.) An introduction to the problems inherent in defining the nature of religious experience and analyzing the concepts needed to explicate and communicate that experience, together with an analysis of various religious assumptions. HU

PHI 291 Selected Topics in Philosophy 3 cr
Each course offering must be approved by both the local campus and the chair of the department. Prereq: Varies with each offering.*

PHI 299 Independent Reading in Philosophy 1-3 cr
Program must be approved by chair of the department. Prereq: Cons. instr.*

Physical Education and Athletics

Basic Physical Education Courses Open to All Students 1 cr
These courses develop skills, teach rules and prepare students for recreational enjoyment. AP

PED 001 Archery	012 Racquetball & Handball
002 Badminton	014 Softball
003 Curling	015 Introduction to Tai Chi
004 Soccer	016 Beginning Tennis
005 Basketball	018 Beginning Volleyball
006 Beginning Bowling	019 Weight Training
009 Beginning Golf	

024 Aerobic Dance	043 Cross Country Skiing
026 Bicycling	046 Yoga-Relaxation
027 Introduction to Fitness	055 Beginning Swimming
031 Ballroom Dance	058 Life Guard Training
032 Beginning Fencing	061 Scuba Diving
037 Martial Arts	
041 Beginning Downhill Skiing/Snowboarding	

Intermediate and Advanced Physical Education Courses, Open to All Students

These courses develop skills, teach rules, and prepare students for recreational enjoyment. Prereq: Beginning level course or cons. instr. required for enrollment in all Intermediate and Advanced level courses. AP

PED 007 Intermediate Bowling	033 Intermediate Fencing
010 Intermediate Golf	042 Intermediate Downhill Skiing/Snowboarding
017 Intermediate Tennis	056 Intermediate Swimming
022 Intermediate Volleyball	062 Intermediate Tai Chi
028 Advanced Fitness	

Primarily for Majors in Physical Education and Related Fields, But Open to All Students

These courses emphasize learning the skills, rules and teaching techniques. AP

PED 102 Basketball Fundamentals	113 Beginning Swimming
104 Badminton	115 Volleyball
106 Curling	116 Tennis
109 Golf	117 Soccer
110 Racquetball & Handball	118 Weight Training

Athletics for Credit

PED 190 Intercollegiate Athletics 1 cr
This course is designed for students who participate in intercollegiate athletics. The course develops skills, game strategies, and leadership/team-building skills. Active membership on the intercollegiate team through the end of the season/semester is required. Note: A student may take only one intercollegiate activity course per semester. The course will be taken on a pass/fail basis. AP

LEC 001 Golf	004 Basketball
002 Soccer	005 Tennis
003 Volleyball	

PED 123 CPR 1 cr
Examines the causes and prevention of cardiovascular disease and related illnesses. Recognition of cardiovascular emergencies and first aid procedures for adults, children and infants are fully explored. Proficiency in checking victims, clearing obstructed airways, rescue breathing, CPR and AED will be tested through skill practice. American Red Cross or American Heart Association certification can be earned. AP

PED 124 Alcohol and Other Drugs: Awareness, Alternatives 1 cr
The course will present up-to-date information on drugs and their abuse. Alternative activities such as fitness, stress management, moderation training and smoking cessation will be discussed. Opportunities for implementation of alternatives will be provided. EL

PED 127 Fitness for Life 2 cr
A contemporary examination of the effects of lifestyle, wellness, and health promotion on the individual. Instruction in procedures for self-evaluation as well as individualization of exercise prescription for the development of fitness. Participation in a planned program of aerobic activity is required. AP

PHYSICAL EDUCATION AND ATHLETICS

PED 131-132 **1 cr each**
 Officiating courses present a theoretical and practical approach to officiating athletic contests at various levels of competition. The mechanics of officiating, knowledge, interpretation of rules and field experience are integral parts of the courses. All courses are AP.

131 Officiating Volleyball

132 Officiating Basketball

PED 150 Introduction to Patient Care **3 cr**
 Introduction to Patient Care is a three semester hour applications and performance course that teaches principles and procedures in emergency, home, hospital, and nursing home medical care and is designed to prepare the student for emergencies likely to be encountered in daily living and while working in a hospital or nursing home facility. Upon successful completion, the student will be eligible to sit for the State of Wisconsin Nursing Assistant Competency Examination (Condition: 305431 Nursing Assistant Admission Requirements Met). American Red Cross or American Heart Association certification can also be earned. Prereq: None. AP

Professional Physical Education Courses for Majors & Minors

PED 204 Principles of and Introduction to Physical Education **2 cr**
 An overview of health education, physical education, intramurals, athletics and recreation; specialized areas in the various fields and the vocational opportunities offered in each; personal and professional qualifications of a physical educator with emphasis on establishing the role of physical education in society. EL

PED 205 Prevention and Treatment of Athletic Injuries **2-3 cr**
 Procedures and techniques in the prevention and care of common athletic injuries. Common topics include assessment, rehabilitation and the relationship of an athletic trainer to athletes, coaches and administrators. Practical procedures to be completed during regular class time. A third credit may be earned if the student enrolls in and completes the additional field work/service learning portion of the course. AP

PED 206 Personal Health & Wellness **3 cr**
 In-depth examination of the various aspects of health and wellness. Topics include the components of wellness, stress management, nutrition, drugs and alcohol, and dying and death. How these topics affect the individual and community will be explored. EL

PED 207 Basketball Theory and Coaching **2 cr**
 Theory and methods of teaching and coaching basketball. Skill analysis, practice schedules, rules and fundamentals of individual and team play are covered. AP

PED 208 Developmental Activities for Children **2 cr**
 The basic theory, organization and teaching of developmental activities and games for elementary school children. Development of elementary level lesson plans, and peer teaching of elementary Physical Education activities and games are also required. AP

PED 209 Nutrition and Weight Control **3 cr**
 This course will examine the basic principles of nutrition, digestion, and metabolism and the effects of these principles on one's diet, weight, fitness level, and overall health. The functions, requirements, and applications of nutrients and nutritional needs throughout the life cycle will be studied. The course will also include the basic knowledge and application of nutrient recommendations, dietary guidelines, and interrelationships of foods. It will also examine the issues of alternative nutrition, food safety, and eating disorders. The course will include personal diet assessment and development of personal health goals. NS

PED 210 Theory of Coaching **3 cr**
 Theory and methodology of coaching both team and individual sports. Coaching psychology, philosophy, and administrative responsibilities (skill assessment, practice/game organization, rules, fundamentals, and play of various sports) will be explored through lecture, lab, and field experience. Possible sports may include, but are not limited to: tennis, golf, wrestling, swimming, basketball, volleyball, soccer, and football. AP/EL

PED 211 Physical Education for Elementary Schools **2-3 cr**
 A thorough examination of the theory, organization and teaching of Physical Education to elementary school children. The development of curriculum, including written lesson and unit plans, completion of age appropriate bulletin boards, and peer teaching assignments are requirements of this course. Students are also required to complete a field experience in Physical Education classes at local elementary schools. The field experience will require the students to observe, assist, and teach actual elementary school classes. AP

PED 213 First Aid and Emergency Medical Care **3 cr**
 Examines the causes, prevention and care of first aid emergencies. Topics include recognizing and responding to emergencies, checking victims, breathing and cardiac emergencies, severe bleeding, shock, injuries, medical emergencies, special situations and healthy lifestyles. Proficiency in checking victims and caring for severe bleeding and extremity injuries will be tested through skill practice. Skills testing in clearing obstructed airways, CPR, and AED completed for the adult only. American Red Cross or American Heart Association certification can be earned. AP

PED 217 Social Aspects of Sport **3 cr**
 A course focusing on sport institutions as social organizations and how they function within a culture. Emphasis is placed on group structure and membership and group pressure, socialization, stratification and deviance as they apply to the sport's setting. Selected topics include sport in educational institutions, minorities and women in sport, sport as work and play, and sport and the media. SS/ES

PED 218 Women and Sport **3 cr**
 (Same as WOM 218.) A course focusing on the social dimensions and the historical and cultural foundations of women and sport in our society. Emphasis will be placed on exploring the changing roles and opportunities in sports for women, as well as how past and current beliefs regarding gender, sexuality, and race and ethnicity shape the experience of women in sports in our society. Selected topics include: the history of physical education, activity and fitness for women in the United States, barriers/structural constraints facing women in sports, race and ethnicity, women's health issues, sexuality and homophobia, the role of journalism and the media, career opportunities for women, and the future of sports for women in our society. SS/ES

PED 219 Introduction to Sports and Fitness Management **3 cr**
 This course will provide an introduction to the sport and fitness management industry. Emphasis will be placed on basic management principles, marketing, public relations, finance, economics, organizational theory, and career opportunities as they apply to the field of sports and fitness management. EL

PED 220 Water Safety Instructor **2 cr**
 Designed to train instructor candidates to teach American Red Cross water safety courses (not Lifeguard Training). Use of program materials, planning and conducting effective courses, evaluation of student progress, and preparation and submission of accurate reports and records are included in the course. Students successfully completing the course will be ARC certified. AP

PED 291 Special Topics in Physical Education **1-3 cr**
 Course content must be approved by the local campus and the department chair.*

PED 299 Independent Study in Physical Education **1-3 cr**
 Program must be approved by the department chair.*

PHYSICS - POLITICAL SCIENCE

Physics

PHY 107 Foundations of Physics 3-4 cr

An introductory course for non-science majors, with particular emphasis on the development of modern theoretical concepts. Central topics: classical mechanics, electromagnetism, quantum theory, relativity theory; and some discussion of historical and philosophical aspects. May be offered without laboratory work for three credits or with laboratory for four credits. Check the campus course schedule for credits listed. Not open to those who have had one or more courses in college physics; does not apply toward engineering or physics majors or toward the physics requirements for pre-professional courses. Prereq: High school algebra and geometry or cons. instr. Not open to those who have had PHY 141, PHY 201 or equivalent. NS; if 4 cr., also LS

PHY 110 Physics for the Health Sciences 3-4 cr

A descriptive introduction to those basic concepts of physics which have application to human health in general and to the medical and paramedical professions in particular. Primary attention will be paid to the physics of various functions of the human body (e.g., muscular and skeletal motions, the several senses and neural processes) and to the physics of commonly used instruments and equipment. Prereq: High school algebra and geometry or cons. instr. NS; if 4 cr., also LS

PHY 115 Energy and the Environment 3 cr

Intended for non-science majors, this course will give students the necessary physics background to form opinions on energy questions. The physical laws of thermodynamics, electricity, magnetism, and nuclear physics will be discussed in connection with energy related topics such as thermal pollution, fossil fuels, nuclear power, solar power and other alternative energy sources. Some elementary calculations (at the level of high school algebra) are included in the material, but the emphasis will be on a conceptual understanding of the energy-related issues affecting society today. NS

PHY 120 Physical Science 3-4 cr

Selected topics from physics, geology and astronomy. Not intended for those planning to major in a physical science; does not fulfill the prerequisites for any more advanced courses. May be offered without a laboratory for three credits or with a laboratory for four credits. Not open to those who have had PHY 141, PHY 201 or equivalent. NS; if 4 cr., also LS

PHY 141 General Physics 4-5 cr

The study of mechanics, heat, wave motion and sound. Recommended for students majoring in business, elementary education, medical technology, pharmacy, pre-dentistry and pre-medical studies. Three hours of lecture and three hours of laboratory-discussion per week or equivalent. Prereq: MAT 105 or cons. instr. NS/LS

PHY 142 General Physics 4-5 cr

A continuation of Physics 141. Electricity, magnetism, light, and atomic and nuclear physics. Three hours of lecture and three hours of laboratory-discussion per week or equivalent. Prereq: Grade of C or better in PHY 141 or cons. instr. NS/LS

PHY 201 General Physics 5 cr

The study of mechanics, heat, wave motion and sound. Recommended for physical science and engineering majors. Three hours of lecture, one hour of discussion and three hours of laboratory per week or equivalent. Prereq: MAT 221 or concurrent registration with cons. instr. NS/LS

PHY 202 General Physics 5 cr

A continuation of Physics 201. Electricity, magnetism, light and nuclear physics. Prereq: Grade of C or better in PHY 201 or cons. instr. NS/LS

PHY 205 Modern Physics 3 cr

Introduction to atomic, nuclear and solid state physics; kinetic theory; and quantum theory. Prereq: Grade of C or better in PHY 202 or cons. instr. NS

PHY 291 Topics in Physics 1-5 cr

An extended coverage of one or more topics in physics such as environmental physics, energy, biophysics, mechanics, electricity and magnetism, electromagnetic radiation, statistical physics, solid state physics, relativity, quantum mechanics, and atomic and nuclear physics. Prereq: Cons instr.*

PHY 299 Independent Study 1-3 cr

Independent study under the supervision of an instructor. The work may, for example, consist of advanced laboratory investigation into a particular topic or library research and writing of a paper on some subject of interest. Prereq: Cons. instr.*

Physiology (*see Biological Sciences*)

Political Science

POL 101 Introduction to Politics 3 cr

What is the ideal form of government and society? A survey and analysis of ideas related to citizenship in the community, nation and world, with emphasis on competing political values/ideologies and civic engagement. SS

POL 104 American Government and Politics 3 cr

Analysis of the decision-making structure and processes of American national government, including the role of parties and interest groups, and the value preferences within American society which affect the formation of public policy. SS

POL 105 State and Local Supplement to POL 104 1 cr

A one-credit study of state and local government. Prereq: POL 104 or concurrent enrollment. SS

POL 120 Politics of Crime and Punishment 3 cr

Focuses on the competing goals of public policy in criminal justice, from public order, due process, efficiency, rights, and liberties. Analyzes the interplay of key actors including police, courts, and prisons in policy-making and implementation. Includes the role of media and myth. SS

POL 160 Comparative Politics 3 cr

Studies a select set of important states with different political, economic and cultural characteristics. Compares economic, social and political issues and policy choices, in addition to governance. Recommended for business, journalism, education, and political science majors. SS

POL 175 International Politics 3 cr

Global problems, issues and debates since the end of the Cold War, including terrorism, cultural and religious conflict, and changing power relations. Impact of social, economic and technological change and evolution of the state system. Cooperative problem-solving and peace-making. SS

POL 193 Campaigns and Elections: Voters, Candidates and Strategies 3 cr

This course provides an examination of political campaigns and strategies, and the nomination and electoral systems. Topics covered in class include the role of interest groups, PACs and professional support organizations, campaign finance, and the role of the media. Prereq: Recommend one semester of college or cons. instr. SS

POL 201 Introduction to Political Theory 3 cr

What is the ideal in politics and government? A survey and analysis of ideas relating to political systems and values. Prereq: Previous course in political science or cons. instr. SS

POL 215 Media and Politics 3 cr

An examination of the impact mass media has had on democratic politics in the United States, including the role media plays in influencing political behavior and attitudes. Topics covered in the class include media bias, media

POLITICAL SCIENCE - PSYCHOLOGY

power, use of media by government and interest groups, the role of media in campaigns and elections, and the influence of media on policy makers. SS

POL 218 Religion and Politics 3 cr
(Same as REL 218.) An examination of the relationship between religion and politics within the United States and beyond. Topics include religion and the political history of the United States, civil liberties and religion (establishment and free exercise), the role religion plays in the political process, from the perspective of both cooperation and conflict. Prereq: Recommend one semester of college or cons. instr. SS

POL 219 Public Policy 3 cr
An exploration of the public policy-making process in the U.S. with attention to select contemporary issues in American policy debate (environment, energy, health, economic management, etc.). Course content includes the study of how citizens (voters, groups and elected officials) participate in developing and implementing policy in local, state and national government. Prereq: Previous course in political science or cons. instr. SS

POL 225 State and Local Government 3 cr
Organization, structure and functions of state and local governments in general, while using Wisconsin as a prime example. SS

POL 231 Sex, Power and Public Policy 3 cr
(Same as WOM 231.) An examination of controversial issues of gender that affect equality and power. Includes women's movement and the search for equality, justice, and freedom. Examines political and judicial policies that exemplify success and failure. Prereq: Recommend one semester of college or cons. instr. SS

POL 235 The Politics of Race and Ethnicity in America 3 cr
Examination of the struggle between and among ethnic, racial and language groups in American politics. Prereq: Recommend one semester of college or cons. instr. SS/ES

POL 250 Government and Business 3cr
A survey of government activities, regulations and policies affecting business and the economic system, such as anti-trust, safety and health regulations, subsidies, transfer payments, public works and government corporations. Prereq: POL 104 or ECO 204. SS

POL 280 Terrorism 3 cr
Terrorism, both current and historic, will be analyzed in its development, logic and impact. Includes controversies over security and liberty, intelligence and forewarning, and deals with political, philosophic and religious aspects. A major feature is analysis of alternative responses to terrorism, and local coping strategies (disaster management). Prereq: Prior semester of college. SS

POL 298 Special Topics 1-3 cr
A course for topics which would be appropriate for freshmen and sophomores. Topic and number of credits will be announced in the course schedule.*

POL 299 Independent Reading 1-3 cr
Survey of literature in a particular subject, possibly concluding with a research project supervised by the instructor. Subject and specific requirements determined by instructor/student agreement. Prereq: Cons. instr.*

POL 308 American Presidency 3 cr
The President as chief administrative leader, political leader, foreign policy initiator, commander-in-chief and head of state. Prereq: Previous course in political science. SS

POL 310 Civil Liberties 3 cr
This course is an examination of civil liberties and their philosophical underpinnings. Through the reading of U.S. Supreme Court cases and other texts, students will study topics including the constitutional basis of civil liberties, the freedoms of conscience and expression, the rights of persons

accused of crime, privacy, and property rights. Prereq: Previous course in political science or cons. instr. SS

Psychology

PSY 201 Introductory Psychology 4 cr
Survey of major content areas in psychology. Topics include research methodology, learning, memory, cognition, biological psychology, sensation, perception, motivation, emotion, development, personality, psychopathology and social psychology. Students may not receive credit for both PSY 201 and PSY 202. SS

PSY 202 Introductory Psychology 3 cr
(See PSY 201 course description.) Students who have taken PSY 201 may not take this course for credit. SS

PSY 203 Individuals and Institutions: Concepts/Experience 3 cr
Lecture/discussion presentation of concepts of human behavior will be related to concurrent experiences in community agencies such as schools, social service departments and hospitals. Agency placements involve a minimum commitment of four hours per week and will provide some direct contact between the students and agency clients. Two hours of lecture and discussion will be required, with opportunity for additional individual discussion. Prereq: PSY 201 or PSY 202 or concurrent registration and cons. instr. AP

PSY 208 Psychology of Gender 3 cr
(Same as WOM 208.) The process and consequences of gender development; review of current gender research and theory in the context of cultural, psychological, biological, historical and cross-cultural perspectives. This course focuses on female and male experience as it relates to issues such as cognition, value systems, achievement, interpersonal relationships, aggression and sexuality. SS

PSY 210 Statistical Methods in Psychology 3 cr
An introduction to descriptive and inferential statistics. Topics include measures of central tendency, measures of variability, correlation and regression, sampling distributions, and hypothesis testing procedures including t-tests and analysis of variance. Prereq: PSY 201 or 202 (grade of C- or better) or concurrent registration and introductory college algebra (MAT 105), or exemption, or cons. instr. MS

PSY 224 Conceptual Introduction to Statistics 1 cr
This course is a supplement to PSY 225 for students who have had no previous course in statistics. It is not a substitute for PSY 210 and does not satisfy requirements for an introductory course in statistics. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. and concurrent registration in PSY 225. MS

PSY 225 Experimental Psychology 5 cr
Emphasis on research techniques, design, and methodologies including the collection, analysis and reporting of psychological data. Lecture and laboratory. Prereq: PSY 210 or equivalent statistics course, or concurrent enrollment in PSY 224 or cons. instr. NS/LS

PSY 250 Life Span Developmental Psychology 3 cr
A survey of human development theories and research. Topics include the biological, cognitive, emotional and social development of the individual from the prenatal period through old age and the process of death and dying. Students may not receive credit for both PSY 250 and PSY 360 or PSY 362. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. SS

PSY 254 Behavioral Neuroscience 3 cr
Discussion of the biological substrates of attention, emotion, motivation, learning, cognition, language and psychopathology; includes an examination of

research using lesions, stimulation and neuroimaging. Some background in biology is strongly recommended. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. NS

PSY 270 Psychological Perspectives on Diversity Issues 3 cr

The use of psychological concepts, principles, and research to enhance understanding of intergroup relations (e.g., race relations) in America. The experience of traditionally marginalized and privileged groups will be examined. Inter-racial and inter-ethnic relations will be used as a springboard to also examine relations from across different genders, physical abilities, religions, and sexual orientations. Topics may include identity formation, prejudice, discrimination, socialization, privilege, and strategies to reduce conflict across difference. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. SS/ES

PSY 299 Directed Study in Psychology 1-3 cr

Directed reading of the literature in a particular subject, possibly including a research project, under the personal supervision of the instructor. Prereq: PSY 201 or 202 (grade of C- or better) and cons. instr.*

PSY 307 Psychology of Personality 3 cr

Discussion of major theories and research in personality; may include behavioral, biological, cognitive, dispositional, humanistic, and psychoanalytic perspectives. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. SS

PSY 309 Abnormal Psychology 3 cr

Contemporary theory and research on abnormal behavior, includes diagnostic categories, approaches to treatment and understanding of abnormal behavior. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. One additional course in psychology is recommended. SS

PSY 311 Current Topics in Psychology 1-3 cr

Specific topic to be announced in campus course schedule. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr.*

PSY 330 Social Psychology 3 cr

Theory and research in areas such as social cognition, attitude formation and change, attribution theory, interpersonal attraction, group processes, social influence, aggression and prosocial behavior. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. SS

PSY 360 Psychology of Childhood and Adolescence 3 cr

A survey of human development theories and research. Topics include the biological, cognitive, emotional and social development of the individual from the prenatal period through adolescence. Students may not receive credit for both PSY 360 and PSY 250. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. SS

PSY 362 Psychology of Adulthood and Aging 3 cr

A survey of human development theories and research. Topics include biological, cognitive, emotional and social development of the individual from young adulthood through old age and the process of death and dying. Students may not receive credit for both PSY 362 and PSY 250. Prereq: PSY 201 or 202 (grade of C- or better) or cons. instr. SS

Religious Studies

REL 101 Introduction to the Study of Religion 3 cr

This course introduces students to various methods employed in the academic study of religion and will provide opportunity for students to apply these methods to diverse expressions of the religious life. HU

REL 201 Asian Philosophy 3 cr

(Same as PHI 201.) An introduction to Asian philosophy through a study of opposing views about knowledge, nature, society and the individual. Areas of emphasis may include Chinese, Indian, Japanese and Muslim thought. HU

REL 203 American Indian Philosophies 3 cr

(Same as PHI 203.) A study of philosophical aspects of American Indian world views and practices—including a study of myth, ritual and ceremony—with an emphasis on systems of knowledge, explanations of natural phenomena, social and life cycle philosophies, and relations to nature. Attention will be given to historical and contemporary relations between American Indians and White cultures. HU/ES

REL 218 Religion and Politics 3 cr

(Same as POL 218.) An examination of the relationship between religion and politics within the United States and beyond. Topics include religion and the political history of the United States, civil liberties and religion (establishment and free exercise), the role religion plays in the political process, from the perspective of both cooperation and conflict. Prereq: Recommend one semester of college or cons. instr. SS

REL 258 Human Nature, Religion and Society 3 cr

(Same as PHI 258.) Study and critique of the views of theistic and secular writers concerning religion and its relationship to individual and social problems. HU

REL 261 Philosophy of Religion 3 cr

(Same as PHI 261.) An introduction to the problems inherent in defining the nature of religious experience and analyzing the concepts needed to explicate and communicate that experience, together with an analysis of various religious assumptions. HU

REL 275 Sociology of Religion 3 cr

(Same as SOC 275.) A sociological approach to the study of religion, its institutional forms, aims, and impact on society. Attention is given to the theories of the sociology of religion and to the interaction of religion and the social, political, and economic structures of society. Special emphasis is given to those religions which influence U.S. society. Not recommended for first-semester freshmen, except with cons. instr. SS

REL 291 Selected Topics in Religious Studies 3 cr

A survey of selected readings from the primary and secondary literature on a particular aspect of religion, such as religious belief systems, religious practices, religious institutions, religious experience, history of religion and musical, artistic or literary expression in religion.* HU

REL 299 Independent Reading in Religious Studies 1-3 cr

Intensive study of a sacred text or of a secondary theological, literary, exegetic or other text within a religious tradition.*

REL 302 Religion and Cultural Conflict 3 cr

This course offers an exploration into the nature and function of religion in the context of cultural conflict and change. The course will shed light on the rise of militant Jewish, Christian, and Islamic fundamentalism and the intensification in the current era of individuals and groups acting violently in the name of religion. Prereq: Completion of ENG 102 (C or better) and one of the following: REL 101, PHI 101, SOC 101 or cons. instr. HU/EL

REL 343 Religion, Magic and Witchcraft 3 cr

(Same as ANT 343.) Religion, magic, and witchcraft are uniquely human means of reaching out to the supernatural realm in order to effect changes in the here and now. This course introduces students to descriptions and interpretations of magico-religious beliefs and practices in a variety of cultures from an anthropological perspective, which does not attempt to judge the validity of such beliefs but to understand their origins and functions, among other things. It examines theories about religion and some of the conceptual issues regarding the interpretation of religion and related phenomena which have interested anthropologists over time. Not recommended for first semester students. SS

SOCIOLOGY

Sociology

- SOC 101 Introduction to Sociology** 3 cr
Introduction to the basic concepts, theories and methods of sociology, emphasizing the significance of the self and culture, social process and organization, and forces of social stability and change. SS
- SOC 125 American Society in the Contemporary World** 3 cr
Explores contemporary U.S. society in an international and comparative context. Focuses on social structure and institutions, cultural values, the forces of change and the web of relations among countries. SS
- SOC 130 Contemporary Social Problems** 3 cr
Sociological analysis of the nature, extent, causes and potential solutions to selected major social problems such as poverty and wealth, racial and gender discrimination, crime and violence, drug abuse, family problems, quality of education, inadequate health care, population problems, intergroup conflict and threats to the environment. SS
- SOC 160 Sociology of Human Sexuality** 3 cr
Sociological overview of issues in human sexuality. Course is based on sociological investigations of the origins, nature and biosocial consequences of varying customs and ideals of human sexuality. Among topics that may be covered are: sex and family life, contraception, abortion and social power, violations of sexual norms and ideas about sexual propriety, origins and impact of sexual liberation movements, sociosexual aspects of epidemics, sociological interpretations of sexual dissatisfactions. SS
- SOC 205 Global Social Problems** 3 cr
Sociological analysis of the nature, extent, causes, and potential solutions to global social problems such as consumerism, poverty and wealth, human rights, population growth and hunger, health issues, militarism and terrorism, and threats to the environment. Not recommended for first-semester students. SS
- SOC 210 Sociology of Sport** 3 cr
A survey of the past and present roles sport has played within our society including its impact on the educational system, the media, the family and economic structures. Areas including heritage, social status, personality and race will be addressed. Primary emphasis given to sports in the United States. Not recommended for first-semester students. SS/ES
- SOC 220 Sociology of Marriage and the Family** 3 cr
Marriage and the family as social institutions in a changing world. Historical changes and societal variations in family patterns. Changes over the life cycle. Explores the sources and consequences of a variety of family forms. Not recommended for first-semester students. SS
- SOC 231 Crime and Criminal Justice** 3 cr
Explores the nature of crime and reviews ideas about definitions, causes, and solutions. Includes an introduction to the day-to-day functioning of the criminal justice system, the police, lawyers, courts, and correctional personnel. Not recommended for first-semester students. SS
- SOC 234 Sociology of Race and Ethnicity** 3 cr
The experience of American racial, religious, ethnic and nationality groups. The nature of intergroup relations in the United States. Relationship of intergroup dynamics to social change, and to basic ideological, technological, and institutional structures and processes. Emphasis on social conflict over the distribution of economic and political power, family patterns, housing, education and access to the legal system. Not recommended for first-semester students. SS/ES
- SOC 238 Sociological Perspectives on Gender** 3 cr
(Same as WOM 238.) A sociological examination of roles assigned to women and men in society, including the experiences of marriage, parenthood, employment and occupational attainment. Pays particular attention to gender role socialization and its cultural reinforcement, to patterns of gender relations and to ongoing changes. Not recommended for first-semester students. SS
- SOC 246 Juvenile Delinquency** 3 cr
Examines the theories of the nature, causes, consequences, and prevention of juvenile misbehavior through examination of historic changes in the definition and frequency of juvenile offenses. Controversies over the practice of distinguishing juvenile crime and misbehavior from adult crime. Controversies over the treatment and punishment of juveniles, in connection with the activities of juvenile courts, parents and school officials, local communities, police departments, politicians, networks of attorneys and treatment personnel, and correctional authorities. Not recommended for first-semester students. SS
- SOC 250 People, Organizations and Society** 3 cr
Role of organizations, such as business, government, education and religion in American society. Impact of organizations on members and clients, the internal dynamics of organizations, and the interchange between organizations and their environment, including the society as a whole. Not recommended for first-semester students. SS
- SOC 270 Introduction to World Population** 3 cr
Determinants and consequences of population size and growth. Changing levels of fertility, mortality, and migration rates and patterns and their social and economic implications. Examination of population policy in countries at various stages of economic development, e.g., international labor migration, China's one-child policy, U.S. immigration laws, euthanasia policy in the Netherlands, controversies over international aid for population regulation, influence of world religions on population policy. Not recommended for first-semester students. SS
- SOC 275 Sociology of Religion** 3 cr
(Same as REL 275.) A sociological approach to the study of religion, its institutional forms, aims, and impact on society. Attention is given to the theories of the sociology of religion and to the interaction of religion and the social, political, and economic structures of society. Special emphasis is given to those religions which influence U.S. society. Not recommended for first-semester freshmen, except with cons. instr. SS
- SOC 285 Sociology of Health and Illness** 3 cr
Sociological perspectives on health and illness, with special attention to changes in patterns of illness and death as they relate to broader socio-economic changes and to changes in the orientation and organization of health care providers. Among major topics that the course covers are: competing theories of disease and death trends; social circumstances under which epidemics emerge and are curbed; public health and medical center models of providing health care and preventing disease, injury, and death; organization of health care providers; comparisons among health systems. Not recommended for first-semester students. SS
- SOC 291 Selected Topics in Sociology** 1-3 cr
A specific topic in an instructor's area of special competence. When offered, the particular topic is indicated in the campus course schedule. A prerequisite or cons. instr. may be required.*
- SOC 299 Independent Reading in Sociology** 1-3 cr
A prerequisite or cons. instr. may be required.*
- SOC 335 Introductory Social Psychology** 3 cr
Introduction to the general area of social psychology with focus on social interaction and sociology's contributions to the study of small groups and subcultures; topics include socialization, motivation, attitudes, values, communications, leadership. Prereq: Previous sociology course or cons. instr. SS
- SOC 355 Sociology of the Environment** 3 cr
Explores the socio-cultural foundations of our relationship with the natural environment. Examines the relationship between environmental degradation and social, political, and economic structures. Explores beliefs and values about

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the environment and their expression in various forms of environmentalism and environmental movements. Also analyzes the presentation of environmental issues in cultural, political, and scientific domains.

Not recommended for first-semester students. SS

SOC 357 Social Research Methods 3 cr

An introduction to the logic and the methods of quantitative and qualitative research designs as they apply to the analysis of societies. Includes problem identification and conceptualization, procedures for testing social theories, hypothesis construction, and a variety of quantitative and qualitative data collection and evaluation techniques. The course includes classroom study and field research. Prereq: Previous sociology course or cons. instr. SS

Spanish (see World Languages)

Women's Studies

WOM 101 An Introduction to Women's Studies 3 cr

An introduction to the major issues addressed by women's studies with an emphasis on interdisciplinary social science theories and methodologies involved in gaining accurate knowledge about women's lives and contributions to society, both within the United States and around the world. Perspectives, texts, and methodologies from across the social science disciplines ranging from history, economics, sociology, political science, public health, criminal justice, psychology, and others will be used to understand the experience of women and the cultural construction of gender. SS/IS

WOM 102 Women's Voices 3 cr

An introductory and interdisciplinary humanities course drawing upon diverse texts and methodologies representative of humanities disciplines. Students will examine multicultural readings ranging from creative nonfiction, essays, feminist theory, philosophical reflection, fiction, poetry, historical accounts, drama, cultural critique, feminist analysis, memoir, visual arts, letters, diaries and others to build an understanding of the multiple scholarly approaches in the humanities to the study of women's lives. HU

WOM 130 Biology of Women 3 cr

(Same as BIO 130.) An introduction to the physiology and reproductive anatomy of women including pregnancy, human development, cancer, infertility, birth control, sexually transmitted diseases and other health issues. NS

WOM 202 Feminist Philosophy 3 cr

(Same as PHI 202.) An introduction to feminist philosophies through a study and critique of traditional and feminist views about women, their lives, society and knowledge, with particular attention to theories of women's oppression. Prereq: three credits in philosophy recommended but not required. HU

WOM 203 Women in Popular Culture 3 cr

In this course, we will examine ways women have been portrayed and are currently portrayed in the media, in television and movies, popular music, internet, print sources like magazines, popular fiction, and newspapers, and other cultural artifacts. With readings ranging from critical theory to popular fiction by and about women, we will speculate on the impact of and source for popular portrayals of women and the social construction of gender, race, and other social categories. The course will also encourage students to examine women as agents in the creation and consumption of mass culture. Issues of race, class, sexual orientation, age, and physical ability will be important as we explore and critically examine the forms and functions of women in popular culture—both as consumers and the consumed. HU/ES

WOM 205 Women, Religion, Spirituality 3 cr

This course explores the roles of women in the beliefs and practices of religion, including Christianity, Judaism, Islam, Buddhism, Hinduism, and Native

American traditions, and historical and contemporary women's religious movements. Prereq: None. SS

WOM 208 Psychology of Gender 3 cr

(Same as PSY 208.) The process and consequences of gender development: review of current gender research and theory in the context of cultural, psychological, biological, historical and cross-cultural perspectives. This course focuses on female and male experience as it relates to issues such as cognition, value systems, achievement, interpersonal relationships, aggression and sexuality. SS

WOM 210 Women's Health and Sexuality in Society 3 cr

This course will offer basic facts about the structure and functioning of the female body; issues in women's health and sexuality will be approached interdisciplinarily and will include physical, mental, emotional, and social health and wellness topics and will be framed by discussions of race, class, and other cultural identities. Cultural, social, economic and political contexts will be explored. SS/ES

WOM 218 Women and Sport 3 cr

(Same as PED 218.) A course focusing on the social dimensions and the historical and cultural foundations of women and sport in our society. Emphasis will be placed on exploring the changing roles and opportunities in sports for women, as well as how past and current beliefs regarding gender, sexuality, and race and ethnicity shape the experience of women in sports in our society. Selected topics include: the history of physical education, activity and fitness for women in the United States, barriers/structural constraints facing women in sports, race and ethnicity, women's health issues, sexuality and homophobia, the role of journalism and the media, career opportunities for women, and the future of sports for women in our society. SS/ES

WOM 231 Sex, Power and Public Policy 3 cr

(Same as POL 231.) An examination of controversial issues of gender that affect equality and power. Includes women's movement and the search for equality, justice, and freedom. Examines political and judicial policies that exemplify success and failure. Prereq: Recommend one semester of college or cons. instr. SS

WOM 238 Sociological Perspectives on Gender Roles 3 cr

(Same as SOC 238.) A sociological examination of roles assigned to women and men in society, including the experiences of marriage, parenthood, employment and occupational attainment. Pays particular attention to gender role socialization and its cultural reinforcement, to patterns of gender relations and to ongoing changes. Not recommended for first-semester students. SS

WOM 247 Latin American and Latina Women 3 cr

(Same as SPA 247.) This course will examine the lives and literary works of Latin American and Latina women within Latin American society and in the U.S. Particular attention will be given to the roles assigned to these women by patriarchal cultures and to the stereotypes that have influenced their lives. The course will explore how Latin American and Latina women have resisted race, class, and gender oppression. The complex relationships among these factors and ethnicity will be examined through the analysis of a variety of primary texts, films, and scholarly articles. The course will be taught in English. HU/ES

WOM 250 Women in Cross Cultural Perspective 3 cr

(Same as ANT 250.) Study of women in a variety of cultures around the world, both past and present. Includes consideration of the sexual division of labor, marriage systems, child rearing, relationships between men and women, systems of myth and ideology concerning women's roles, and the effects of socio-economic development and rapid social change. Not recommended for first-semester students. SS

WOM 260 Women and Science 3 cr

Women and Science will take a three-pronged approach to the subject: the history of women in science, their contributions to various fields and current

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obstacles women face in scientific fields; how scientific disciplines have constructed gender and studied women; and feminist critiques of science, including recommendations for change, to encourage participation in and representation of women in science. SS

WOM 279 Women in Literature 3 cr
(Same as ENG 279.) A study of women characters and/or authors in their cultural contexts through a survey of significant poetry, drama, fiction, and/or nonfiction. May be taken for credit more than once if content changes. Prereq: Exemption from ENG 101 based on placement test score or ENG 101 or cons. instr. HU

WOM 280 Women in American History 3 cr
(Same as HIS 279.) This course will focus on the struggle of women to acquire social equality and access to equal opportunity and political rights from the colonial times to the present. Students will learn about key figures in the areas of social reform, the right to vote, and the fight against job discrimination while exploring the larger historical context in which these leaders operated. Prereq: Successful completion of any 100-level college or university history course with a grade of C or better, or sophomore standing, or cons. instr. SS

WOM 291 Selected Topics in Women's Studies 1-3 cr
Designed to focus in depth on a particular area of women's studies. Specific topic to be announced in campus course schedule. Prereq: Cons. instr.*

WOM 295 Women in the Arts 3 cr
(Same as ART 290.) Women in the Arts is an interdisciplinary exploration of women as artists. The course will explore underlying ideologies that influence understanding of and access to the artistic production of women and artists of color. Theories and experiences of gender, race, ethnicity, sexual orientation, age and class as they are articulated in the contemporary art world will be examined. FA/IS

WOM 299 Independent Study in Women's Studies 1-3 cr
Extensive reading for the purpose of surveying the literature in a particular area, possibly including a research project, under the personal supervision of the instructor. Prereq: Cons. instr.*

World Languages

Chinese

CHI 101 First Semester Chinese 4 cr
Elementary modern Mandarin for students with no previous experience in the language. Emphasis on listening and speaking, with some reading and writing. Focus on Chinese culture throughout the course. HU

CHI 105 Second Semester Chinese 4 cr
Continuation of CHI 101, elementary modern Mandarin. Prereq: CHI 101. HU

CHI 201 Third Semester Chinese 4 cr
Continues to develop students' linguistic competence in Mandarin Chinese, adding vocabulary, common usage, and more complex grammatical structures. All four language skills are practiced: listening, speaking, reading, and writing. Besides developing learners' communicative competence, it will enhance their knowledge of Chinese culture. Prereq: CHI 105 or equivalent. HU

CHI 205 Fourth Semester Chinese 4 cr
Continuation of 201, intermediate modern Mandarin. Prereq: CHI 201 or equivalent. HU

French

FRE 101 First Semester French 4 cr
For students who have had no previous training in the language. Emphasis on reading, writing, listening and speaking in French. Classes also may include

cultural studies of France and other French-speaking countries. Field trip may be required. HU

FRE 103 First Semester – Part I 2 cr
For students who have had no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening and speaking in French. Classes may include cultural studies of France and other French-speaking countries. Field trip may be required. (This course in combination with FRE 104 is equivalent to FRE 101.) No prereq. HU

FRE 104 First Semester – Part II 2 cr
Continuation of FRE 103 and second module of a two-part introductory sequence. Field trip may be required. (This course in combination with FRE 103 is equivalent to FRE 101.) Prereq: FRE 103 or cons. instr. HU

FRE 105 Second Semester French 4 cr
Continuation of FRE 101 or FRE 104. Field trip may be required. Prereq: FRE 101 or FRE 104 or cons. instr. HU

FRE 106 Second Semester – Part I 2 cr
Continuation of FRE 101 or FRE 104. This is the first module of a two-part second-semester sequence. Field trip may be required. (This course in combination with FRE 107 is equivalent to FRE 105.) Prereq: FRE 101 or FRE 104 or cons. instr. HU

FRE 107 Second Semester – Part II 2 cr
Continuation of FRE 106 and second module of a two-part second-semester sequence. Field trip may be required. (This course in combination with FRE 106 is equivalent to FRE 105.) Prereq: FRE 106 or cons. instr. HU

FRE 118 Practical Spoken French 1-2 cr
Emphasis on the spoken language in everyday contexts. Not part of the sequence of required foreign language courses. Prereq: Cons. instr. AP

FRE 201 Third Semester French 4 cr
Reviews grammar taught during first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced, and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: FRE 105 or FRE 107 or cons. instr. HU

FRE 203 Third Semester – Part I 2 cr
This course is the first module of a two-part third-semester sequence. Reviews grammar taught during the first two (or four) semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced, and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. (This course in combination with FRE 204 is equivalent to FRE 201.) Prereq: FRE 105 or FRE 107 or cons. instr. HU

FRE 204 Third Semester – Part II 2 cr
Continuation of FRE 203 and second module of a two-part third-semester sequence. Field trip may be required. (This course in combination with FRE 203 is equivalent to FRE 201.) Prereq: FRE 203 or cons. instr. HU

FRE 205 Fourth Semester French 4 cr
Continuation of FRE 201 or FRE 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in French. Field trip may be required. Prereq: FRE 201 or FRE 204 or cons. instr. HU

FRE 206 Fourth Semester – Part I 2 cr
Continuation of FRE 201 or FRE 204. This is the first module of a two-part fourth-semester sequence. Reading, writing, audio/oral practice, cultural insights based on literary texts in French. Field trip may be required. (This course in combination with FRE 207 is equivalent to FRE 205.) Prereq: FRE 201 or FRE 204 or cons. instr. HU

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FRE 207 Fourth Semester – Part II 2 cr
Continuation of FRE 206 and second module of a two-part fourth-semester sequence. Field trip may be required. (This course in combination with FRE 206 is equivalent to FRE 205.) Prereq: FRE 206 or cons. instr. HU

FRE 215 Elementary Conversation and Composition 1-2 cr
May be taken concurrently with FRE 201 or by itself. Stresses practical application of theory learned in 4-credit courses. Written and audio/oral exercises based on cultural, everyday topics. Carries no retroactive credit. Prereq: FRE 105 or FRE 107 or cons. instr. AP

FRE 225 Intermediate Conversation and Composition 3 cr
Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: FRE 205 or FRE 207 or cons. instr. HU

FRE 226 Intermediate Conversation and Composition 3 cr
Continuation of FRE 225. Prereq: FRE 225 or cons. instr. HU

FRE 276 Twentieth Century French Literature in Translation 3 cr
Concentration on 20th-Century fiction, drama and essays, including existentialism, the philosophy of the Absurd and their impact on contemporary attitudes. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations and class discussions in English. No knowledge of French necessary. No foreign language credit. HU

FRE 277 Special Topics in Literature in Translation and/or Culture and Civilization 2-3 cr
Treats various topics of French literature and/or culture and civilization to be specified by instructor in campus course schedule. Lectures, class discussions and written work in English. No knowledge of French necessary. No foreign language credit. HU

FRE 291 Selected Topics in French 2-3 cr
Cultural, literary or linguistic themes as specified in campus course schedule. Prereq: FRE 205 or FRE 207 or cons. instr.*

FRE 299 Intermediate Independent Reading 1-3 cr
Individual student(s) assigned readings, reports and papers on topic determined by instructor. One-on-one meetings to be arranged. Prereq: FRE 205 or FRE 207 and cons. instr.*

German

GER 101 First Semester German 4 cr
For students who have had no previous training in the language. Emphasis on reading, writing, listening and speaking in German. Classes also may include cultural studies of Germany and other German-speaking countries. Field trip may be required. HU

GER 103 First Semester – Part I 2 cr
For students who have had no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening and speaking in German. Classes may include cultural studies of Germany and other German-speaking countries. Field trip may be required. (This course in combination with GER 104 is equivalent to GER 101.) No prerequisite. HU

GER 104 First Semester – Part II 2 cr
Continuation of GER 103 and second module of a two-part introductory sequence. Field trip may be required. (This course in combination with GER 103 is equivalent to GER 101.) Prereq: GER 103 or cons. instr. HU

GER 105 Second Semester German 4 cr
Continuation of GER 101 or GER 104. Field trip may be required. Prereq: GER 101 or GER 104 or cons. instr. HU

GER 106 Second Semester – Part I 2 cr
Continuation of GER 101 or GER 104. This is the first module of a two-part second-semester sequence. Field trip may be required. (This course in combination with GER 107 is equivalent to GER 105.) Prereq: GER 101 or GER 104 or cons. instr. HU

GER 107 Second Semester – Part II 2 cr
Continuation of GER 106 and second module of a two-part second-semester sequence. Field trip may be required. (This course in combination with GER 106 is equivalent to GER 105.) Prereq: GER 106 or cons. instr. HU

GER 118 Practical Spoken German 1-2 cr
Emphasis on the spoken language in everyday contexts. Not part of the sequence of required foreign language courses. Prereq: cons. instr. AP

GER 201 Third Semester German 4 cr
Reviews grammar taught during first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: GER 105 or GER 107 or cons. instr. HU

GER 203 Third Semester – Part I 2 cr
This course is the first module of a two-part third-semester sequence. Reviews grammar taught during the first two (or four) semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. (This course in combination with GER 204 is equivalent to GER 201.) Prereq: GER 105 or GER 107 or cons. instr. HU

GER 204 Third Semester – Part II 2 cr
Continuation of GER 203 and second module of a two-part third-semester sequence. Field trip may be required. (This course in combination with GER 203 is equivalent to GER 201.) Prereq: GER 203 or cons. instr. HU

GER 205 Fourth Semester German 4 cr
Continuation of GER 201 or GER 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in German. Field trip may be required. Prereq: GER 201 or GER 204 or cons. instr. HU

GER 206 Fourth Semester – Part I 2 cr
Continuation of GER 201 or GER 204. This is the first module of a two-part fourth-semester sequence. Reading, writing, audio/oral practice, cultural insights based on literary texts in German. Field trip may be required. (This course in combination with GER 207 is equivalent to GER 205.) Prereq: GER 201 or GER 204 or cons. instr. HU

GER 207 Fourth Semester – Part II 2 cr
Continuation of GER 206 and second module of a two-part fourth-semester sequence. Field trip may be required. (This course in combination with GER 206 is equivalent to GER 205.) Prereq: GER 206 or cons. instr. HU

GER 215 Elementary Conversation and Composition 1-2 cr
May be taken concurrently with GER 201 or by itself. Stresses practical application of theory learned in 4-credit courses. Written and audio/oral exercises based on cultural, everyday topics. Carries no retroactive credit. Prereq: GER 105 or GER 107 or cons. instr. AP

GER 225 Intermediate Conversation and Composition 3 cr
Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: GER 205 or GER 207 or cons. instr. HU

GER 226 Intermediate Conversation and Composition 3 cr
Continuation of GER 225. Prereq: GER 225 or cons. instr. HU

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GER 276 Twentieth-Century German Literature in Translation 3 cr
Concentration on 20th-Century fiction, drama and essays. Starts with confrontation between Friedrich Nietzsche and the Naturalists, and includes major German authors such as Thomas Mann, Franz Kafka, Herman Hesse and Heinrich Boll. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations and class discussions in English. No knowledge of German necessary. No foreign language credit. HU

GER 277 Special Topics in Literature in Translation and/or Culture and Civilization 2-3 cr

Treats various topics of German literature and/or culture and civilization to be specified by instructor in campus course schedule. Lectures, class discussions, and written work in English. No knowledge of German necessary. No foreign language credit. HU

GER 291 Selected Topics in German 2-3 cr
Cultural, literary or linguistic themes as specified in campus course schedule. Prereq: GER 205 or GER 207 or cons. instr.*

GER 299 Intermediate Independent Reading 1-3 cr
Individual student(s) assigned readings, reports and papers on topic determined by instructor. One-on-one meetings to be arranged. Prereq: GER 205 or GER 207 and cons. instr.*

Italian

ITA 103 First Semester Italian – Part I 2 cr
For students who have no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening, and speaking in Italian. Classes may include cultural studies of Italy and other Italian-speaking countries or regions. This course in combination with ITA 104 would be equivalent to an ITA 101 course.* HU

ITA 104 Second Semester Italian – Part II 2 cr
Continuation of ITA 103 and second module of a two-part introductory sequence. Emphasis on reading, writing, listening, and speaking in Italian. Classes may include cultural studies of Italy and other Italian-speaking countries or regions. This course in combination with ITA 103 would be equivalent to an ITA 101 course.* HU

Spanish

SPA 101 First Semester Spanish 4 cr
For students who have had no previous training in the language. Emphasis on reading, writing, listening and speaking in Spanish. Classes also may include cultural studies of Spain and Latin America. Field trip may be required. HU

SPA 103 First Semester – Part I 2 cr
For students who have had no previous training in the language. This course is the first module of a two-part introductory sequence. Emphasis on reading, writing, listening and speaking in Spanish. Classes may include cultural studies of Spain and Latin America. Field trip may be required. (This course in combination with SPA 104 is equivalent to SPA 101.) No prereq. HU

SPA 104 First Semester – Part II 2 cr
Continuation of SPA 103 and second module of a two-part introductory sequence. Field trip may be required. (This course in combination with SPA 103 is equivalent to SPA 101.) Prereq: SPA 103 or cons. instr. HU

SPA 105 Second Semester Spanish 4 cr
Continuation of SPA 101 or SPA 104. Field trip may be required. Prereq: SPA 101 or SPA 104 or cons. instr. HU

SPA 106 Second Semester – Part I 2 cr
Continuation of SPA 101 or SPA 104. This is the first module of a two-part second-semester sequence. Field trip may be required. (This course in combination with SPA 107 is equivalent to SPA 105.) Prereq: SPA 101 or

SPA 104 or cons. instr. HU

SPA 107 Second Semester – Part II 2 cr
Continuation of SPA 106 and second module of a two-part second-semester sequence. Field trip may be required. (This course in combination with SPA 106 is equivalent to SPA 105.) Prereq: SPA 106 or cons. instr. HU

SPA 118 Practical Spoken Spanish 1-2 cr
Emphasis on the spoken language in everyday contexts. Not part of the sequence of required foreign language courses. Prereq: cons. instr. AP

SPA 201 Third Semester Spanish 4 cr
Reviews grammar taught during first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prereq: SPA 105 or SPA 107 or cons. instr. HU

SPA 203 Third Semester-Part I 2 cr
This course is the first module of a two-part third-semester sequence. Reviews grammar taught during the first two (or four) semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. (This course in combination with SPA 204 is equivalent to SPA 201.) Prereq: SPA 105 or SPA 107 or cons. instr. HU

SPA 204 Third Semester – Part II 2 cr
Continuation of SPA 203 and second module of a two-part third-semester sequence. Field trip may be required. (This course in combination with SPA 203 is equivalent to SPA 201.) Prereq: SPA 203 or cons. instr. HU

SPA 205 Fourth Semester Spanish 4 cr
Continuation of SPA 201 or SPA 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in Spanish. Field trip may be required. Prereq: SPA 201 or SPA 204 or cons. instr. HU

SPA 206 Fourth Semester – Part I 2 cr
Continuation of SPA 201 or SPA 204. This is the first module of a two-part fourth-semester sequence. Reading, writing, audio/oral practice, cultural insights based on literary texts in Spanish. Field trip may be required. (This course in combination with SPA 207 is equivalent to SPA 205.) Prereq: SPA 201 or SPA 204 or cons. instr. HU

SPA 207 Fourth Semester – Part II 2 cr
Continuation of SPA 206 and second module of a two-part fourth-semester sequence. Field trip may be required. (This course in combination with SPA 206 is equivalent to SPA 205.) Prereq: SPA 206 or cons. instr. HU

SPA 215 Elementary Conversation and Composition 1-2 cr
May be taken concurrently with SPA 201 or by itself. Stresses practical application of theory learned in 4-credit courses. Written and audio/oral exercises based on cultural, everyday topics. Carries no retroactive credit. Prereq: SPA 105 or SPA 107 or cons. instr. AP

SPA 216 Elementary Conversation and Composition 1-2 cr
May be taken concurrently with SPA 205. Carries no retroactive credit. Prereq: SPA 215 or cons. instr. AP

SPA 219 Spanish for Business 3 cr
Designed to acquaint the student with the vocabulary and practices of the business community. Oral and written practice in the preparation of letters and forms. Carries no retroactive credit for work completed in high school. Prereq: SPA 201 or SPA 204 or cons. instr. AP

SPA 220 Spanish for the Healthcare Professions 4 cr
The course is designed for intermediate students of the Spanish language majoring in the health professions such as physicians, physician assistants,

WORLD LANGUAGES - NON-DEGREE CREDIT COURSES

nurse practitioners, nurses, dentists, pharmacists, social workers, physical therapists, health educators, nutritionists, etc. The primary purposes are to improve Spanish language skills with emphasis on medical terminology and to explore Latino culture in the United States. The class will allow students to appreciate how personal attitudes and beliefs affect the client/ health care provider. Prereq: SPA 101 and SPA 105 or the equivalent. HU

SPA 221 Introductory Survey of Peninsular Literature, Eighteenth to Twentieth Centuries 3 cr

Modern masterpieces in fiction, drama, poetry and essay. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations and class discussions in Spanish. Prereq: SPA 205 or SPA 207 or cons. instr. HU

SPA 222 Introductory Survey of Peninsular Literature, Twelfth to Seventeenth Centuries 3 cr

Masterpieces in fiction, drama, poetry and essay from the medieval period through the Golden Age. Lectures in literary history and criticism, exercises in interpretation, compositions, oral presentations and class discussions in Spanish. Prereq: SPA 205 or SPA 207 or cons. instr. HU

SPA 225 Intermediate Conversation and Composition 3 cr

Development of written and oral proficiency through systematic exposure to modern cultural developments as found in a variety of contemporary texts. Discussion and composition exercises deal with cultural topics introduced by original authors. Prereq: SPA 205 or SPA 207 or cons. instr. HU

SPA 226 Intermediate Conversation and Composition 3 cr

Continuation of SPA 225. Prereq: SPA 225 or cons. instr. HU

SPA 235 Spanish Culture and Civilization 1-3 cr

Lectures and readings in English on the art, music, architecture, politics, economics and history of Spain. No knowledge of Spanish required. No foreign language credit. HU

SPA 236 The Culture and Civilization of Latin America 1-3 cr

Lectures and readings in English on the art, music, architecture, history and politics, as well as the social and economic problems of Latin-American countries from Pre- Columbian times to the present. No knowledge of Spanish required. No foreign language credit. HU

SPA 237 Latino Literature 3 cr

Lectures and readings in English of novels, plays and poetry written by Chicano and other Latino writers in the United States. Focuses on cultural differences and alternatives in order to lead students to question previous stereotypes and to come to a new understanding of the Latino struggle for identity. No knowledge of Spanish required. Prereq: ENG 102 or a grade of B or better in ENG 101. HU/ES

SPA 247 Latin American and Latina Women 3 cr

(Same as WOM 247.) This course will examine the lives and literary works of Latin American and Latina women within Latin American society and in the U.S. Particular attention will be given to the roles assigned to these women by patriarchal cultures and to the stereotypes that have influenced their lives. The course will explore how Latin American and Latina women have resisted race, class, and gender oppression. The complex relationships among these factors and ethnicity will be examined through the analysis of a variety of primary texts, films, and scholarly articles. The course will be taught in English. HU/ES

SPA 277 Special Topics in Literature in Translation and/or Culture and Civilization 2-3 cr

Treats various topics of Spanish or Latin-American literature and/or culture to be specified by instructor in campus course schedule. Lectures, class discussions and written work in English. No knowledge of Spanish necessary. No foreign language credit. HU

SPA 291 Selected Topics in Spanish 2-3 cr

Cultural, literary or linguistic themes as specified in campus course schedule. Prereq: SPA 205 or SPA 207 or cons. instr.*

SPA 299 Intermediate Independent Reading 1-3 cr

Individual student(s) assigned readings, reports and papers on topic determined by instructor. One-on-one meetings to be arranged. Prereq: SPA 205 or SPA 207 and cons. instr.*

Zoology (see Biological Sciences)

Non-Degree Credit Courses

Biological Sciences

BIO 099 Basic Biology Tutorial 1-2 non-degree cr

This course is intended for students concurrently enrolled in BIO 109 (Concepts of Biology). This tutorial will provide biological instruction through several methods – listening, speaking, reading, writing, and will review basic concepts in chemistry, mathematics, and computer skills required in Concepts of Biology (BIO 109). The content and skills will empower students to succeed in their concurrent biology course and in lateral and higher-level biological science courses. Prereq: Concurrent enrollment in BIO 109 (Concepts of Biology).

BOT 099 Basic Botany Tutorial 1-2 non-degree cr

This course is intended for students concurrently enrolled in BOT 130 (General Botany). This tutorial will provide biological instruction through several methods – listening, speaking, reading, writing, and will review basic concepts in chemistry, mathematics, and computer skills required in General Botany (BOT 130). The content and skills will empower students to succeed in their concurrent biology course and in lateral and higher-level biological science courses. Prereq: concurrent enrollment in BOT 130 (General Botany).

ZOO 099 Basic Zoology Tutorial 1-2 non-degree cr

This course is intended for students concurrently enrolled in ZOO 101 (Animal Biology). This tutorial will provide biological instruction through several methods – listening, speaking, reading, writing, and will review basic concepts in chemistry, mathematics, and computer skills required in Animal Biology (ZOO 101). The content and skills will empower students to succeed in their concurrent biology course and in lateral and higher-level biological science courses. Prereq: concurrent enrollment in ZOO 101 (Animal Biology).

English

ENG 095 Basics of Composition 3 non-degree cr

A study of fundamental writing skills, including grammatical conventions, usage, sentence structure, paragraph development and the organization of short essays. This course is offered through a contractual arrangement with the local WTCS institution. Recommended: first semester enrollment.

ENG 097 Basics of Composition 3 non-degree cr

A study of fundamental writing skills, including grammatical conventions, usage, sentence structure, paragraph development and the organization of short essays. This course is offered by the campus TRIO/student support services program. Recommended: first semester enrollment.

ENG 098 Basics of Composition 3 non-degree cr

A study of fundamental writing skills, including grammatical conventions, usage, sentence structure, paragraph development and the organization of short essays. Recommended: first semester enrollment.

NON-DEGREE CREDIT COURSES

ENG 099 Basic Writing Tutorial **1-3 non-degree cr**
 Intended primarily for students concurrently enrolled in Basics of Composition or Composition I, this tutorial will provide individualized instruction to help students develop the fundamental writing skills and basic techniques of composition required for success in those courses and in higher-level composition courses.

Learning Resources

LEA 100 Grammar Skills **1-3 non-degree cr**
 Designed to improve student understanding and use of written English, this course covers the principles and patterns of grammar and writing.

LEA 101 Speed and Efficiency in Reading **1-3 non-degree cr**
 The aim of this course is to help the student develop the vocabulary and comprehension skills needed for studying college materials. The student learns to analyze challenging materials for immediate understanding and interpret it for long-term memory.

LEA 102 Learning Skills **1-3 non-degree cr**
 This course is designed for the student who needs to develop generalized learning skills. Areas of study may include managing time, taking notes, reading and studying textbooks, reading comprehension, developing vocabulary, organizing the research paper and making oral presentations.

LEA 103 Study Skills **1-3 non-degree cr**
 This course is designed to aid students in learning effective study systems. The student also learns to use appropriate reading rates.

LEA 104 Career Planning & Preparation **1-3 non-degree cr**
 This course will enable students to develop career goals and lay out a path for achieving these goals. Students will examine their personal interests, aptitudes, values, decision making skills, academic plans and career awareness. This personal, educational and occupational information will then be organized and translated into an individualized course of action. Integration of career goals with current and future college course work will be stressed.

LEA 106 Multilingual Writers Workshop **1-3 non-degree cr**
 A reading and writing course for multilingual writers taken prior to or concurrent with developmental or first-year composition courses in the English Department. The course helps students improve their skills in spoken and written English for successful academic work at the university level. With the recommendation of the English Department, LEA 106 may be taken to fulfill the ENG 098 prerequisite for ENG 101 and may be taken more than once. Placement: may be recommended or required administratively or students may self-select into the course.

LEA 110 Grammar Skills **1-3 non-degree cr**
 Designed to improve student understanding and use of written English, this course covers the principles and patterns of grammar and writing. This course is offered by the campus TRIO/student support services program.

LEA 111 Speed and Efficiency in Reading **1-3 non-degree cr**
 The aim of this course is to help the student develop the vocabulary and comprehension skills needed for studying college materials. The student learns to analyze challenging materials for immediate understanding and interpret it for long-term memory. This course is offered by the campus TRIO/student support services program.

LEA 112 Learning Skills **1-3 non-degree cr**
 This course is designed for the student who needs to develop generalized learning skills. Areas of study may include managing time, taking notes, reading and studying textbooks, reading comprehension, developing vocabulary, organizing the research paper and making oral presentations. This course is offered by the campus TRIO/student support services program.

LEA 113 Study Skills **1-3 non-degree cr**
 This course is designed to aid students in learning effective study systems. The student also learns to use appropriate reading rates. This course is offered by the campus TRIO/student support services program.

LEA 114 Career Planning & Preparation **1-3 non-degree cr**
 This course will enable students to develop career goals and lay out a path for achieving these goals. Students will examine their personal interests, aptitudes, values, decision making skills, academic plans and career awareness. This personal, educational and occupational information will then be organized and translated into an individualized course of action. Integration of career goals with current and future college course work will be stressed. This course is offered by the campus TRIO/student support services program.

LEA 116 English as a Second Language **1-3 non-degree cr**
 A program dealing with English as a second language for students whose native language is not English. The program is designed to assist students for whom English is not their primary language to improve their skills in spoken and written English for successful academic work at the university level. Prereq: for students who: a) are not native speakers of English and who b) have studied English as a second language prior to being enrolled in the UW Colleges. This course is offered by the campus TRIO/student support services program.

Please note: students are encouraged to take MAT 090 or MAT 091 before MAT 081 because competence in basic algebra is generally necessary before beginning geometry.

Mathematics

MAT 081, 085, 087 Topics in Geometry **3 non-degree cr**
 Designed for students who have not had high school geometry. Includes methods of proof, properties of simple plane figures, congruence, and similarity. This course is offered through a contractual arrangement with the local WTCS institution as MAT 085. This course is offered by the campus TRIO/student support services program as MAT 087.

MAT 090, 092, 094 Basic Mathematics **2-3 non-degree cr**
 Designed for students with minimum algebra background or who have been away from mathematics for several years. Subject areas to be covered include arithmetic of whole numbers, fraction and decimals, ratios and percents, and basic algebraic concepts. Prepares the student for Elementary Algebra. This course is offered through a contractual arrangement with the local WTCS institution as MAT 092. This course is offered by the campus TRIO/student support services program as MAT 094.

MAT 091, 095, 097 Elementary Algebra **3-4 non-degree cr**
 Intended for students with little or no previous algebra. Topics include the real number system and operations with real numbers and algebraic expressions, linear equations and inequalities, polynomials, factoring, and introduction to quadratic equations. This course is offered through a contractual arrangement with the local WTCS institution as MAT 095. This course is offered by the campus TRIO/student support services program as MAT 097.

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UNIVERSITY OF WISCONSIN
Colleges

The freshman/sophomore UW campuses

2009-2010 Academic Year Calendar

Semester I

First Day of Contract YearAugust 26, 2009
RegistrationAugust 26-28, 31, Sept. 1, 2009
First Day of ClassesSeptember 2, 2009
Labor DaySeptember 7, 2009
Thanksgiving RecessNovember 26-27, 2009
Last Day of ClassesDecember 15, 2009
Study DayDecember 16, 2009
ExaminationsDecember 17-18, 21-23, 2009

Semester II

RegistrationJanuary 12-15 & 19-22, 2010
First Day of ClassesJanuary 25, 2010
Spring VacationMarch 22-26, 2010
Last Day of ClassesMay 12, 2010
Study DayMay 13, 2010
ExaminationsMay 14-15, 17-19, 2010
Last Day of Contract YearMay 25, 2010

2010-2011 Academic Year Calendar

Semester I

First Day of Contract YearAugust 26, 2010
RegistrationAugust 26-27, 30-31, Sept. 1, 2010
First Day of ClassesSeptember 2, 2010
Labor DaySeptember 6, 2010
Thanksgiving RecessNovember 25 & 26, 2010
Last Day of ClassesDecember 15, 2010
Study DayDecember 16, 2010
ExaminationsDecember 17, 20-23, 2010

Semester II

RegistrationJanuary 11-14, 18-21, 2011
First Day of ClassesJanuary 24, 2011
Spring VacationMarch 21-25, 2011
Last Day of ClassesMay 11, 2011
Study DayMay 12, 2011
ExaminationsMay 13, 16-19, 2011
Last Day of Contract YearMay 25, 2011

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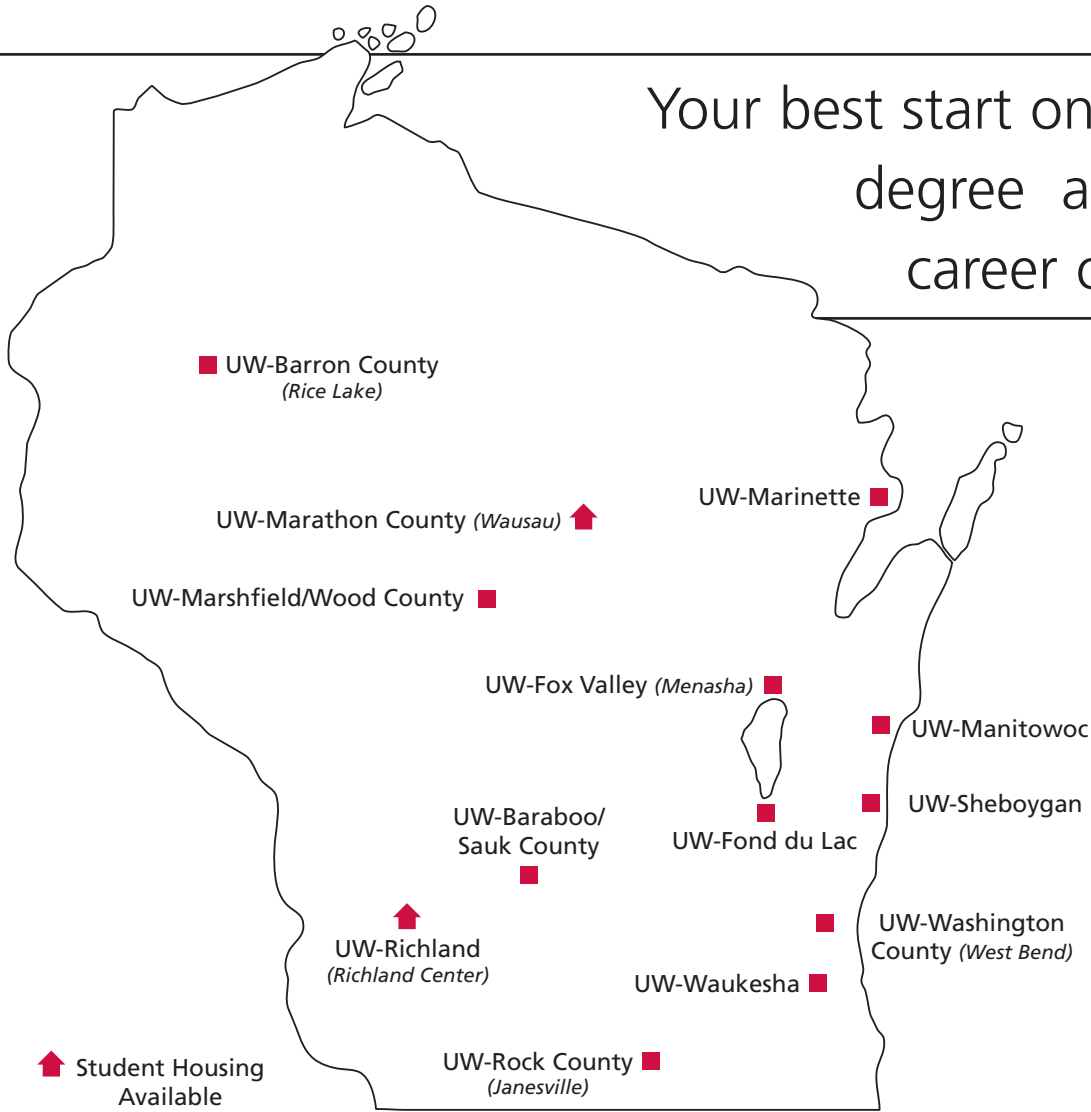
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