

# **African and African American Studies**

## **AFR 132 Intro to Race in America (SOC)**

*Prerequisite: Completion or waiver of MAT 010*

*Offered: Typically annually (next offered Fall 2007)*

In America's last five centuries, the concept of race changed from a literary meaning about the race of humankind, toward popular folkways of seeing, describing, and categorizing individuals and groups based on pseudo-scientific explanations of physical and cultural traits associated with groups from various nations and regions. This course allows us to examine social patterns of these interracial and interethnic encounters and to analyze sociologically factors that help to maintain or change the domination or subordination established among the groups in our contemporary American society. African Americans', Appalachians', and Women's Perspective. 1 Course

## **AFR 135 African-American Women Writers (ENG/WST)**

*Offered: Typically alternate years (next offered Spring 2008)*

How have African-American women writers coped with invisibility? How have they emerged from silence and created visions of identity and culture? This course will examine the writings of African-American women as a separate and distinct cultural group and the ways in which their writing is an expression of the culture and a historical record of its development. African Americans', Appalachians', and Women's Perspective. 1 Course

## **AFR 138 Black Music Ensemble (MUS 135)**

*Offered: Typically Fall and Spring terms*

Open to all Berea College students, this ensemble specializes in the performance of African-American sacred music, particularly spirituals and gospel music. The ensemble meets twice weekly for one and one-half hours. Regular attendance is required at all rehearsals and performances including annual Fall and Spring concerts, as well as several other programs each term. Membership by permission of instructor after audition. May be repeated for credit. Course Fee: \$15 (for transportation and robe cleaning). 1/4 Course

## **AFR 141 African-American Literature (ENG)**

*Offered: Typically alternate years (next offered 2008-2009)*

Representative selections from fiction, poetry, and nonfiction prose of African-American authors from slavery to the present. Focus on historical and social conditions reflected in the works and relationships between African-American literature and other American literary movements. African Americans', Appalachians', and Women's Perspective and Arts Perspective. 1 Course

## **AFR 165 Intro to African-American History (HIS)**

*Offered: Typically Fall and Spring terms*

This course surveys the formation of African American cultural identity from the early National period to the present. This course will touch upon major formative events in African American history: slavery, the early formation of African American cultural institutions, the reconstruction of African American life after slavery, northern migration during the World Wars, the civil rights and black power movements of the 1950s and 1960s, and urbanization and class structure in the 1980s and 1990s. Western History Perspective and African Americans', Appalachians', and Women's Perspective. 1 Course

**AFR 202 Women and African Americans in Politics (PSC/WST)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

A study of the participation of women and African Americans in the American political process. Theories of representative democracy and an introduction to the historical struggles for equal rights provide a context for the investigation of contemporary electoral politics, governance, grassroots politics, and public policy. Students examine the progress of women and African American candidates, and of related public policy issues, throughout the current election and its immediate aftermath. African Americans', Appalachians', and Women's Perspective. NOTE: In order to receive African and African American Studies or Women's Studies major or minor credit, the student's major project must focus on African Americans or women, respectively. 1 Course

**AFR 212 Literature of Caribbean Women (ENG/WST)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2008)*

This course is an exploration of voices of women in the Caribbean. We will read works by writers from the Anglo-Caribbean, French Caribbean, and Hispanic Caribbean. These writers represent the islands of Jamaica, Cuba, Guadalupe, Haiti, the Dominican Republic, and Barbados. Their works investigate issues of racial configuration, relationships between women, politics, colonialism and post-colonialism, and the creation of the island space. We will look at the long, turbulent history of the island of Hispaniola from the perspective of both the Haitian and Dominican, the complex history of each of these island nations, and other important topics. African Americans', Appalachians', and Women's Perspective and World Culture (Non-Western) component of the International Perspective. NOTE: Noncredit for students who took this course as GSTR 209. 1 Course

**AFR 222 Intro to African-American Studies (GST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007)*

With an emphasis on the humanities and social sciences, this interdisciplinary course provides an opportunity for students to evaluate the historical contributions and contemporary status of African-Americans. Beginning with an historical overview, the course surveys the following topics: social institutions, creative productions, political economy and social class, personal identity and ethnicity, and contemporary status. African Americans', Appalachians', and Women's Perspective. 1 Course

**AFR 230 African Americans in Appalachia (APS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

This course explores the social, political, economic, and cultural experiences of African Americans in Southern Appalachia from the beginning of European settlement to the contemporary era. The course engages students in developing an understanding of the historical experiences of African Americans in Appalachia, the discussion of issues such as the images and stereotypes of Appalachians and African Americans, and the examination of migratory patterns, education, labor organization, and religion. The course places special emphasis upon the interaction and convergence of a distinctly Appalachian experience among African Americans from the region. The course studies traditional themes in Appalachian Studies within the context of African American racial experiences. African Americans', Appalachians', and Women's Perspective. 1 Course

**AFR 231 African American Religious Traditions**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Spring 2008)*

An introduction to religious traditions within the African American community. Presents overviews and analyses of these traditions from their African root to the present. Particular attention is given to the development of thought, ethics, and theology for survival, nurturing, and "meaning-making" that African American religious communities pass down from generation to generation. African Americans', Appalachians', and Women's Perspective. 1 Course

**AFR 234 African-American Music: An Overview (MUS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically every Spring Term*

The study of African-American music and musicians within the general framework of American society, tracing the development of the music from its African origins to its impact upon and fusion with American music and culture. Although the main focus will be placed upon music indigenous to African-American culture, study will encompass significant African-American musicians in the European classical music tradition. Arts Perspective and African Americans', Appalachians', Women's Perspective. 1 Course

**AFR 260 Survey of African History (HIS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007)*

A survey of African history from the ancient period to the late 20th century. Although the major concentration is upon "Sub-Saharan Africa" and the effects of the enslavement trade and colonialism, the course does provide a brief discussion of significant continent wide highlights from the ancient and medieval periods. The history of Africa's independence movements and the post-independence era also are addressed. World Culture (Non-Western) component of the International Perspective. 1 Course

**AFR 270 Sub-Saharan Black African Art (ART)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next-offered Spring 2008, as an exception)*

An art and cultural study of the sculptural and architectural traditions of the peoples of West and Central Africa. Arts Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**AFR 356 Seminar in African-American History (HIS)**

*Prerequisites: HIS 161 and 162; or AFR/HIS 165*

*Offered: Typically annually (next offered Spring 2008)*

Through examination of a key period in African American history, students will develop a deeper appreciation of this history and a better understanding of sources and methodologies historians use to analyze past human experiences. By reading key primary and secondary materials, students will develop an understanding of the way cultural, social, economic, and political issues interact to shape the period. May be repeated for credit, provided the topic differs from that previously studied. NOTE: Certain sections of this course may be approved to meet Perspective Areas in the General Education Program. Check the *Schedule of Courses* for term-specific information. 1 Course

**AFR 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or I Course*

**AFR 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**AFR 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior standing*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**AFR 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**AFR 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Agriculture & Natural Resources**

**ANR 101 Science and Society's Food Supply**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically as student interest and faculty availability allow*

A laboratory course in the scientific aspects of modern agriculture for non-agricultural majors. Areas considered are: crops and animals as sources of food, the role of biotechnology, soils, crops, and animals as they relate to public awareness and social welfare. Three lectures and one laboratory session each week. 1 Course

**ANR 103 The Science of Food Systems (CFS)**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

A study of the production of food from the farm to the table, emphasizing the environmental and economic sustainability of various systems of food production. Includes the science of soil management, systems of crop and livestock management in the production of foodstuff, food chemistry, food safety, and human nutrition. Laboratory experiences and field trips will be included. 1 Course

**ANR 106 Introduction to Global Agriculture**

*Offered: Typically every Fall Term*

An introductory course for students interested in agriculture, veterinary medicine, forestry, wildlife, and natural resources. The course is designed to assist students with understanding the global implications of their discipline. Class discussion will emphasize the growing importance of international, political, environmental, and social dimensions of agriculture-related topics. Should be taken in the first year. Three lectures each week. 1/2 Course

**ANR 110 Animal Science**

*Offered: Typically every Fall Term*

Introduction to the fundamental principles of animal science. Emphasis on breeding, nutrition, management, and marketing of domestic animals. The role of genetics, health, and reproductive management on the productivity of various species will be investigated. Three lectures and one laboratory session each week. 1 Course

**ANR 113 Livestock and Dairy Judging**

*Offered: Typically as student interest and faculty availability allow*

Evaluation and selection of purebred and commercial beef and dairy cattle, sheep, and swine for breeding and market. Emphasis on production records and carcass evaluation. Three two-hour laboratory sessions each week. 1 Course

**ANR 130 Plant Science**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically every Spring Term*

This course is designed to develop an understanding of the processes and factors affecting plant growth and development. Biological, soil, genetic, and environmental factors are discussed in relation to agronomic, horticultural, and forest plants. Principles of crop production and management are introduced with emphasis on agroecology and sustainable practices. Three lectures and one laboratory session each week. 1 Course

**ANR 170 Agricultural Economics**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically as student interest and faculty availability allow*

A study of the fundamentals of supply and demand as they relate to the agricultural sector of the U.S. economy. Emphasis will be given to the economic principles related to consumption, production, marketing, policy, natural resource use, and finance in the food and fiber system. Four lectures each week. 1 Course

**ANR 310 Nutritional Studies**

*Prerequisites: ANR 110 or BIO 110; and CHM 131 (formerly 121), CHM 134 (formerly 124), or CHM 113; or permission of instructor*

*Offered: Typically every Spring Term*

Basic processes of digestion, absorption, and metabolism of nutrients. Emphasis is on feedstuff selection and analysis, animal and human nutrient needs, and ration formulation and dietary analysis for a wide variety of species. Three lectures and one laboratory session each week. 1 Course

**ANR 312 Advanced Livestock Systems**

*Prerequisite: ANR 110 or permission of instructor*

*Offered: Typically every Fall Term*

An investigation into current knowledge and applied concepts in the production of livestock. Includes reviews of research in breeding, nutrition, reproduction, and economics. Emphasis on applied management skills, including health and reproductive-management techniques, feed analysis, cost accounting, and marketing. Three lectures and one laboratory session each week. May be repeated for up to two credits. 1 Course

**ANR 320 Animal Diseases**

*Prerequisite: ANR 110 or BIO 110*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

Causes, symptoms, treatments, and diagnoses of animal diseases with emphasis on prevention and control. Three lectures and one laboratory each week. 1 Course

**ANR 324 Nutritional Physiology and Biochemistry**

*Prerequisite: CHM 113, 131 (formerly 121), or 134 (formerly 124); or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

The physiological chemistry of animal nutrition, measurement of the body needs and feed value, the nutritive requirements for body processes, and productive functions. Three lectures and one laboratory session each week. 1 Course

**ANR 325 Animal Reproduction and Breeding**

*Prerequisite: ANR 110 or BIO 110, or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

Physiological processes of reproduction, including gonadal function, endocrine relationships, fertility, and factors affecting reproductive efficiency. In addition, the course covers the application of genetics to the improvement of farm animals. Both qualitative and quantitative genetics will be stressed. Three lectures and one laboratory session each week. 1 Course

**ANR 330 Forage and Row Crop Production**

*Prerequisite: ANR 130 or BIO 114 (formerly BIO 314)*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

This course is designed to develop an understanding of the biology, management, and uses of major crop plants. Interactions between cropping systems and the larger ecosystem will be discussed. Soil, genetic, and environmental factors will be related to crop management, yield, and quality, with emphasis on sustainable practices and planning sustainable systems. Both regionally and nationally important crop species will be discussed. Three lectures and one laboratory session each week. 1 Course

**ANR 335 Plant Physiology**

*Prerequisites: ANR 130 or BIO 114 (formerly BIO 314); and CHM 131 (formerly 121) or CHM 113*

*Offered: Typically as student interest and faculty availability allow*

A study of the metabolic activities of higher plants with special emphasis on mineral nutrition, respiration, photosynthesis, and plant hormones. Three lectures and one two-hour laboratory session each week. 1 Course

**ANR 340 Soil Science**

*Prerequisite: ANR 130 or BIO 114 (formerly BIO 314)*

*Offered: Typically every Fall Term*

An applied study of physical, chemical, and biological properties of soils, emphasizing an ecological approach to management in a variety of contexts including field crops, horticultural crops, forests, and urban environments. This course covers soil formation and classification; fertility for plant nutrition; energy, water, and nutrient cycling; soil degradation and conservation; and soil-quality testing. Students conduct field and laboratory analyses, group and individual research projects, and reviews of the soil-science literature. Three lectures and one laboratory session each week. 1 Course

### **ANR 342 Soil and Water Conservation**

*Prerequisite: ANR 340 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

This course examines hazards, measurements, causes, and solutions for erosion, sedimentation, and pollution of soils, surface, and groundwater. The primary perspective will be agricultural, but issues related to urban development, engineering, mining, and other land uses also will be discussed. Linkages between soil and water resources and environmental quality will be emphasized. Appalachian examples will be used as models whenever possible. Three lectures and one laboratory session each week. 1 Course

### **ANR 350 Horticulture**

*Prerequisite: ANR 130 or BIO 114 (formerly BIO 314)*

*Offered: Typically annually (next offered Spring 2009, as an exception)*

This course covers plant propagation, soil and pest management, harvesting, storage, processing, and marketing methods for vegetables, fruits, herbs, and flowers. This course takes an agro-ecological approach to production and management and emphasizes methods appropriate for home gardens and small farms. A diverse array of field and greenhouse practices and systems are examined and evaluated within the context of sustainability. Three lectures and one laboratory session each week. 1 Course

### **ANR 351 Landscape Horticulture**

*Prerequisite: ANR 130 or BIO 110*

*Offered: Typically as student interest and faculty availability allow*

A survey of horticultural design and management for open spaces and human habitations including landscapes, ornamentals, turf, indoor plants, and urban forestry. This course covers the use of ecological principles to develop low-maintenance and functional landscapes; identification, classification, and nomenclature of environmental plants; propagation methods; pest and soil fertility management; and computer-assisted designing. Three lectures and one laboratory session each week. 1 Course

### **ANR 360 Forest and Wildlife Management**

*Prerequisite: ANR 130 or ANR 110 or BIO 110*

*Offered: Typically every Spring Term*

Course integrates ecological, economic, philosophical, and historical aspects of forest and wildlife management. Students learn about the theoretical underpinnings of modern natural-resource management, such as species identification, site preparation and planting, habitat conservation, field sampling, biological monitoring, and harvesting. Local, regional, and global topics are covered, including the role of forests in global ecological processes, conservation of biodiversity, ecological economics, and the sustainability of forest and wildlife uses. Three lectures and one laboratory session each week. 1 Course

### **ANR 365 Bees and Beekeeping**

*Prerequisite: Any ANR or BIO course; or permission of instructor*

*Offered: Typically every Fall Term*

An introduction to honeybee biology and the practice of beekeeping, also known as apiculture. Students will learn how an understanding of bee biology, generated through observation and experimentation, has been applied to develop methods-simple as well as intricate-to manage honeybee colonies for various purposes, such as honey and wax production and crop pollination. Topics covered will include honeybee biology (anatomy, physiology, behavior, ecology, and taxonomy), crop pollination, and beekeeping (historical and current practices). Students will gain practical experience by working with hives, assessing hive conditions, diagnosing problems, and making management decisions. 1 Course

**ANR 372 Agricultural Marketing**

*Prerequisite: ANR 170 or ECO 102*

*Offered: Typically as student interest and faculty availability allow*

An applied approach to the fundamentals of agricultural marketing, including discussions on processing, storage, financing, and transportation. Emphasis will be placed on marketing practices of both traditional and nontraditional commodities, niche marketing, and agrotourism. An additional area of emphasis will be on using marketing as a risk-reducing tool for the producer. Four lectures per week each week. 1 Course

**ANR 375 Farm Resource Management**

*Prerequisite: ANR 170 (ECO 102 acceptable, with permission of instructor)*

*Offered: Typically annually (next offered Fall 2007)*

Course emphasizes the linkages between the physical production systems and the economic and business systems used in the food and fiber industries. In addition, the social aspects of management and decision making will be addressed. Particular emphasis will be placed on organization and use of resources in a farm business. Includes investigation into the many off-farm factors that influence on-farm decisions. Three lectures and one laboratory session each week. 1 Course

**ANR 389/089 Study Tour of Agriculture and Related Activities**

*Prerequisites for credit: Junior standing and one course each in Animal Science, Plant Science, and Economics*

*Offered: Not offered on a regular basis*

Two- or three-week summer tour of selected major agricultural areas. Opportunities for observation of types of farming, associated technologies, and natural-resource endowments. Visits to supply, marketing, and processing plants. Tour preceded by 12 to 18 hours of preparatory sessions during the Spring Term, followed by 3 to 6 hours of summarizing sessions. Taken as 389 for 1/2 or I credit or as 089 for noncredit. Written report required for credit. Noncredit, 1/2, or 1 Course

**ANR 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**ANR 390/490A or 8 Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ANR 492 Senior Seminar Course**

*Prerequisites: At least two ANR 300-level electives and senior standing*

*Offered: Typically every Fall Term*

An interdisciplinary capstone course in which students integrate the knowledge they have gained during their undergraduate education in both the general and agricultural and natural resource discipline areas. Students will work with the guidance of individual faculty members to research, develop, and complete a project that reflects professional-level understanding of their discipline, as well as the ability to effectively communicate through oral and written presentations. Students will be able to select a business or a research emphasis for their project. 1/2 Course

### **ANR 494 Labor/Field Learning Experience**

*Prerequisite: Permission of the Department Chairperson*

*Offered: Typically as student interest and faculty availability allow*

Labor/Learning experience that may be completed through an experience with selected on- or off-campus agencies under the direction of a staff member in the Agriculture and Natural Resources Department. Successful completion of ANR 395/495 or 140 hours in an approved labor position may satisfy this requirement. NOTE: Required of all majors; should be taken prior to the senior year. Noncredit Course

### **ANR 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

### **ANR 397/497A or 8 Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **ANR 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Appalachian Studies**

### **APS 121 Appalachian Culture**

*Offered: Typically annually (next offered Fall 2007)*

A study designed to give Appalachian students an opportunity to establish their own identity and give others a base for understanding Appalachian people, by exploring the values, attitudes, strengths, and problems of Appalachian people. This course also is aimed at providing a foundation for further study and involvement in Appalachia. African Americans', Appalachians', and Women's Perspective. 1 Course

### **APS 140 Appalachian Literature (ENG)**

*Offered: Typically alternate years (next offered Fall 2007)*

Study of poetry, fiction, and oral literature of the region. African Americans', Appalachians', and Women's Perspective. 1 Course

### **APS 210 Health in Appalachia (HLT)**

*Prerequisites: PEH 100 or permission; and GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007)*

This course explores various dimensions of the environment that impact the health of individuals and the communities in which they live within the Appalachian region. Topics addressed include: education, religion, industrialization, economic development, access to health care, sexuality, domestic violence, race and ethnicity, and substance abuse. This class is designed for the non-professional interested in the health needs of all people living in the Appalachian region and will include directed readings, lectures, discussions, films, guest speakers, and field trips. African Americans', Appalachians', and Women's Perspective. 1 Course

**APS 213 Appalachian Crafts (TEC)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007 and Spring 2008 as an exception)*

A laboratory course involving work in various craft media including metal, wood, textiles, ceramics, and various native Appalachian materials. Through these various craft media, the culture of the Appalachian people will be examined focusing on factors affecting the life and work of the Appalachian craftspeople, including aesthetics versus function, advancing technology, and outside influences. Through skill development, students will gain insight into the problem-solving ability, lifestyle, and ingenuity of the Appalachian people. Opportunities will be given for in-depth study and skill development. Arts Perspective and African Americans', Appalachians', and Women's Perspective. Course Fee: \$10. 1 Course

**APS 215 Sustainable Appalachian Communities (SENS)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically annually (next offered Fall 2007)*

An introduction to the concept of sustainability as applied to communities in the Appalachian region. Ecological, social, and economic characteristics of Appalachia are reviewed as a context for case studies of communities within the region. A variety of approaches to sustainable development are explored. Students learn techniques for evaluating community sustainability, and participate in a service-learning or community-based research project that assists a local community to become more sustainable. African Americans', Appalachians', Women's Studies Perspective. NOTE: Noncredit for students who completed GST/SENS 210. 1 Course

**APS 224 Appalachian Music (MUS)**

*Offered: Typically every Fall Term*

An introduction to the music that has been, and is, an important part of the culture of the Southern Appalachian region. Specific musical elements will be discussed in relation to ballads and songs, instrumental music, bluegrass, country, and various types of religious music. The importance of the region's music and musicians in the development of country and popular music in America is treated. Three periods per week. Arts Perspective and African Americans', Appalachians', and Women's Perspective. 1 Course

**APS 229 Contemporary Issues in Appalachia**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Spring 2008)*

Exploration of an issue (or issues) central to contemporary Appalachia and diverse responses that address the issue(s). African Americans', Appalachians', and Women's Perspective. 1 Course

**APS 230 African Americans in Appalachia (AFR)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

This course explores the social, political, economic, and cultural experiences of African Americans in Southern Appalachia from the beginning of European settlement to the contemporary era. The course engages students in developing an understanding of the historical experiences of African Americans in Appalachia, the discussion of issues such as the images and stereotypes of Appalachians and African Americans, and the examination of migratory patterns, education, labor organization, and religion. The course places special emphasis upon the interaction and convergence of a distinctly Appalachian experience among African Americans from the region. The course studies traditional themes in Appalachian Studies within the context of African American racial experiences. African Americans', Appalachians', and Women's Perspective. 1 Course

**APS 236 Folk Arts-Cultural Expression**

*Offered: Typically as student interest and faculty availability allow.*

A study of traditional folk arts in a cultural setting, with particular attention to Appalachian traditions and their importance in the lives of people. The Appalachian arts of storytelling, folk singing, folk dancing, and handcrafting will be explored. An experience in each art will be arranged, the major contributors to the recent evolution in folk arts will be studied and the potential of folk arts in modern society will be examined. 1 Course

**APS 253 Appalachian America (HIS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically every Fall Term*

A broad survey of the history of the Appalachian region. African Americans', Appalachians', and Women's Perspective. 1 Course

**APS 330 Community Analysis: Appalachia (SOC)**

*Prerequisite: One introductory ECO, HIS, PSC, or SOC course*

*Offered: Typically as student interest and faculty availability allow*

This course is a study of the history, demography, social structure, and forces promoting social change in the Appalachian rural community. The student will learn a sociological approach to understanding the concept of community, its various systems, institutions, and groups. A community problem-analysis orientation will be followed. While studying the community in Appalachia, other community studies-American, European, and Third World-will be examined for comparative purposes, looking at content and method. African Americans', Appalachians', and Women's Perspective. 1 Course

**APS 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**APS 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**APS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**APS 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**APS 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

# Art

## **ART 110 Design**

*Offered: Typically Fall and Spring terms*

This course is an introduction to techniques and problem solving. A study of printmaking through intaglio and relief techniques, including etching and linoleum cut. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

## **ART 111 Printmaking I**

*Offered: Typically Fall and Spring terms*

This course is an introduction to techniques and problem solving. A study of printmaking through intaglio and relief techniques, including etching and linoleum cut. Six in-class studio hours each week. Arts Perspective. Course Fee: \$15, plus the cost of materials. 1 Course

## **ART 115 Drawing Fundamentals**

*Offered: Typically Fall and Spring terms*

This course is an introduction to drawing, stressing observation and recording. A broad range of techniques and materials are presented. Three two-hour studio periods each week. Arts Perspective. Course Fee: \$15, plus the cost of materials. 1 Course

## **ART 116 Painting I**

*Offered: Typically Fall and Spring terms*

This course is an introductory studio experience that explores media and practice. Student understanding will expand and propel learning as a modern media-acrylic paint on board or canvas is employed. Using paint in a structured sequence, students will acquire essential skills and methods of problem-solving and critical analysis, as well as verbal articulation of goals, means, and outcomes. Study of historical and contemporary paintings will provide information, influence, and inspiration. Arts Perspective. Course Fee: \$15, plus the cost of materials. 1 Course

## **ART 120 Survey of Western Art History**

*Offered: Typically every Spring Term*

A chronological consideration of the visual arts from pre-historic to modern times. Major developments in periods, styles, and artists will be discussed relative to time, place, and context. 1 Course

## **ART 122 Ceramic Production**

*Prerequisites: Labor position in the Ceramic Apprenticeship Program and permission of instructor*

*Offered: Typically every Fall Term*

A study of the specific problems encountered when designing and executing a repetitive form. Emphasis on development of design for functional forms produced in coordination with the Ceramic Apprenticeship Program. Six studio hours each week. Course Fee: \$15, plus the cost of materials. (May not be repeated for credit.) NOTE: This course is noncredit for students who took Ceramic Production I or II, formerly ART 121 and 122, respectively). 1 Course

## **ART 123 Ceramics I**

*Offered: Typically Fall and Spring terms*

An introductory studio experience with the medium of clay, including ceramic forming, glazing, and firing. Ceramic techniques will be studied, along with current art/craft theory and ceramic history. Six in-class studio hours each week. Arts Perspective. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 125 Fibers I**

*Offered: Typically Fall and Spring terms (but offered only in Spring 2008 this year)*

An introductory studio experience exploring the techniques and expressive possibilities of the fibers medium through four-harness loom weaving (loom controlled and tapestry), embroidery, 3-D forms created through coiling and twining, and direct application surface design and resists with dyes. Fiber art will be studied with consideration given to the history of textiles and current artists and theories. Six in-class studio hours each week. Arts Perspective. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 130 Sculpture I**

*Offered: Typically Fall and Spring terms*

This course is an introduction to techniques and problem solving. A study of sculpture through direct and indirect techniques including casting and carving. Six in-class studio hours each week. Arts Perspective. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 205 Life Drawing**

*Prerequisite: ART 115 with a grade of C or higher; or permission of instructor*

*Offered: Typically every Spring Term*

A rigorous and disciplined approach to the accurate depiction of the human figure, with work in various drawing media and size formats. Two studio periods each week will consist of drawing for accuracy from the human model, with one session each week consisting of critiquing homework figure-drawing assignments and selected in-class figure drawings. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 211 Printmaking II**

*Prerequisites: ART 110, with a grade of C or higher, and ART 111; or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (offered in Fall 2007 and Spring 2008, as an exception)*

This course will present additional techniques not offered in ART III and introduces conceptually based problem solving. Students will employ intaglio and relief techniques, including dry point and woodcut. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 216 Painting II**

*Prerequisites: ART 110 and ART 115 with grades of C or higher; or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course will present additional techniques not offered in ART 116 and introduce conceptually based problem solving. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 223 Ceramics II**

*Prerequisites: ART 110 and ART 123 with grades of C or higher; or permission of instructor*

*Offered: Typically every Spring Term*

An expanded study of ceramic forming, glazing, and firing techniques through an introduction of conceptually based problem-solving assignments. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 225 Fibers II**

*Prerequisites: ART 110 and ART 125 with grades of C or higher; or permission of instructor*

*Offered: Typically every Spring Term*

This course will expand on the fibers processes and materials used in ART 125 and introduce the student to conceptual problem solving using the Fibers medium. The first part of the class will be learning construction and surface techniques. The second part of the class will focus on using multiple fibers techniques as a means of personal expression, emphasizing the idea and its expression. Readings, textiles from the collection, and slide presentations will give the student a basic exposure to the history of textiles and current events and thoughts in Fiber Arts. Six in-class studio hours per week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 230 Sculpture II**

*Prerequisites: ART 110 and ART 130, with grades of C or higher; or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course will present additional techniques and materials not offered in ART 130 and introduces conceptually based problem solving. Students will employ direct and indirect techniques including welding and foundry casting. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 236 Foundations of Art Education**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

Designed for the Art major preparing to teach at the secondary level and/or the elementary level. This course meets K-12 certification requirements. Art majors planning careers in occupational therapy, special education, or community art programs also would benefit from this course. Lecture-studio experiences in creative methods of teaching the visual arts, materials, techniques, concepts, and the relation of art to the needs of different age levels, and trends and philosophies of Art Education. Public-school observation and practicum required. Course Fee: \$5, plus the cost of materials.

1 Course

### **ART 323 Ceramics III**

*Prerequisite: ART 223 or permission of instructor*

*Offered: Typically every Spring Term*

An advanced study of ceramics including forming, glazing, and firing techniques, in the context of personally derived conceptual objectives. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 325 Fibers III**

*Prerequisite: ART 225 or permission of instructor*

*Offered: Typically every Spring Term*

The primary purpose of this course is to provide structured time, guidance, and feedback to students who have chosen to focus in fibers. Over the course of the term, students are expected to expand their visual vocabulary with advanced techniques that focus in a specific area within the fibers medium, to explore the history of fibers, and to produce personally derived conceptual work. Projects will be student directed with instructor guidance and should be designed to encourage growth, individual expression, and independent learning. Students also are expected to continue experimenting by continuing to build a vocabulary of materials and processes. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 330 Sculpture III**

*Prerequisite: ART 230 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course will present advanced techniques and require students to concentrate on a single media area. In consultation with the instructor, students will work using personally derived concepts and objectives. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 270 Sub-Saharan Black African Art (AFR)**

*Prerequisite: GSTR 203 or GSTR 21 ~*

*Offered: Typically alternate years (next offered Spring 2008, as an exception)*

An art and cultural study of the sculptural and architectural traditions of the peoples of West and Central Africa. Arts Perspective and a World Culture (Non-Western) component of the International Perspective. 1 Course

### **ART 275 Pre-Columbian Latin American Art**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Spring 2008, as an exception)*

The art, architecture, and culture of Mexico, Central America, and Western South America from pre-Columbian to modern times. Arts Perspective. 1 Course

### **ART 311 Printmaking III**

*Prerequisite: ART 211 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course will present advanced techniques and require students to concentrate on a single media area. In consultation with the instructor, students will work using personally derived concepts and objectives. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 316 Painting III**

*Prerequisite: ART 216 or permission of instructor*

*Offered: Typically every Fall and Spring term*

This course will present advanced techniques and require students to concentrate on a single media area. In consultation with the instructor, students will work using personally derived concepts and objectives. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

### **ART 242 Medieval Art**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Spring 2008)*

A survey of Medieval art in the West and the East from the early Christian period just prior to the advent of Constantine through the end of the French Gothic period and the Byzantine Empire. Arts Perspective and Western History Perspective. 1 Course

### **ART 245 19th and 20th Century Art**

*Prerequisite: For Art majors, ART 120 with a grade of C or higher; or permission of instructor*

*Offered: Typically every Fall Term*

Nineteenth century revolutions in art (painting, sculpture, architecture) and their impact on 20th-century art. Students will study the interaction between the arts in the contemporary world and other forces shaping today's society. 1 Course

**ART 246 Modern Architecture**

*Prerequisite: ART 120, with a grade of C or higher; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

The development and styles of European and American architecture. Emphasis will be given to revival and archaeological influences, technology and new materials, and society and personalities during the 19th and 20th centuries. Arts Perspective and Western History Perspective. 1 Course

**ART 248 Islamic Art and Architecture (AST)**

*Prerequisites: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of Islamic art and architecture in the Middle East, North Africa, and Spain. Arts Perspective and Religion Perspective. 1 Course

**ART 250 Indian and Southeast Asian Art History (AST)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered 2008-2009)*

A survey of the religious art (Buddhist, Dravidian, Hindu, Islamic, Jain) of India and Southeast Asia. Arts Perspective and Religion Perspective. 1 Course

**ART 262 Italian Renaissance Art**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of the arts of Italy from 1400 to 1564 and the personalities, the social and political events, and the philosophies that interacted, shaped, and helped create them. Arts Perspective and Western History Perspective. 1 Course

**ART 267 Colonial and Modern Latin American Art**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered 2008-2009)*

The art and architecture of Mexico, Central America, and South America from the 16th century to modern times examining the impact of Western colonialism. Arts Perspective and World Culture (Western) component of the International Perspective. 1 Course

**ART 411 Printmaking IV**

*Prerequisite: ART 311 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course requires students to concentrate on producing a conceptually directed independent body of work aimed at the senior exhibition. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

**ART 416 Painting IV**

*Prerequisite: ART 316 or permission of instructor*

*Offered: Typically every Fall and Spring term*

This course requires students to concentrate on producing a conceptually directed independent body of work aimed at the senior exhibition. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

**ART 423 Ceramics IV**

*Prerequisite: ART 323 or permission of instructor*

*Offered: Typically every Spring Term*

An advanced study of ceramics focusing on the production of a conceptually based independent body of work. This work may become the basis for the student's senior exhibition. Course Fee: \$15, plus the cost of materials. 1 Course

**ART 425 Fibers IV**

*Prerequisite: ART 325 or permission of instructor*

*Offered: Typically every Spring Term*

In this course, students will focus on producing a conceptually directed independent body of work aimed at the senior exhibition. Students are expected to expand their visual vocabulary within the fibers medium and to produce a cohesive body of work containing at least five pieces that are connected both visually and conceptually. Projects will be student directed with instructor guidance and should be designed to encourage growth, controlled individual expression, and independent learning. The student also is expected to continue experimenting by continuing to build a vocabulary of materials and methods. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

**ART 430 Sculpture IV**

*Prerequisite: ART 330 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course requires students to concentrate on producing a conceptually directed independent body of work aimed at the senior exhibition. Six in-class studio hours each week. Course Fee: \$15, plus the cost of materials. 1 Course

**ART 186/286/386/486 Special Topics**

*Prerequisites: Determined by course instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**ART 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior status for 390; senior status for 490*

*Offered: Typically as demand and Faculty availability allow*

*See p. 48 of this Catalog. NOTE: A required course for the Art History major. I Course*

**ART 491 Independent Studio**

*Prerequisite: Permission of Department*

*Offered: Typically as demand and faculty/staff availability allow*

Intensive work in an area not currently in the curriculum. A proposal for Independent Studio must be approved by the Department during the term prior to when the course is to be taken. 1 Course

**ART 492/493 Senior Seminar**

*Prerequisite: Senior standing*

*Offered: Typically Fall and Spring terms*

A series of lectures, films, discussions, visiting artist programs, review, and other designated meetings. An exhibition of work or an oral presentation of a selected research topic during the senior year (ART 493) is required. NOTE: Required for all Art Majors with senior status in the last two regular terms of residence. Noncredit Courses

**ART 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior standing*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**ART 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior status for 390; senior standing for 490*

*Offered: Typically as demand and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ART 398/498 Directed Study**

*Prerequisites: Permission of instructor*

*Offered: Typically on a limited basis as need and interest allow*

*See p. 49 of this Catalog. 1 Course*

## Asian Studies

**AST 101 Introduction to Japanese I (JPN)**

*Prerequisite: Permission of instructor*

*Offered: Typically every Fall Term*

Introduction to Japanese as it is spoken in Japan today. Speaking and listening comprehension will be emphasized. 1 Course

**AST 102 Introduction to Japanese II (JPN)**

*Prerequisite: JPN 101 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

Continued emphasis on Japanese oral/aural communication skills and an introduction to the Japanese written language. 1 Course

**AST 103 Introduction to Japanese III (JPN)**

*Prerequisite: JPN 102 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Fall Term*

Continued development of Japanese speaking, listening, reading, and writing skills. 1 Course

**AST 104 Introduction to Japanese IV (JPN)**

*Prerequisite: JPN 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

Completion of the two-term intermediate level of Japanese language instruction; continued practice of reading, writing, listening, and speaking, fully integrated with culture. 1 Course

**AST 122 Introduction to China (HIS)**

*Offered: Typically every Fall Term*

China has one of the foundational civilizations in human history. It gave rise to social structures, political systems, and philosophies that deeply influenced the development of East Asia. Through close reading of documents, focused analytical writing, open discussion, and lecture, students will develop their own understanding of the evolution of China from its Neolithic origins to its present status as a world power. World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 123 Introduction to Japan (HIS)**

*Offered: Typically every Spring Term*

Japan has developed from an isolated chain of islands at the edge of East Asia into a modern economic giant. Through close reading of documents, focused analytical writing, open discussion, and lecture, we will examine the complexity of the culture that gave rise to Zen Buddhism, the samurai, and Japan's current position as one of the world's most powerful economies. World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 222 Modern East Asia (HIS)**

*Prerequisite: AST/HIS 122 or 123; or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Prior to 1800, East Asia stood as a powerful cultural and economic zone that had been little influenced by Western culture. The 1800s mark the growing conflict between East and West. The key nations in East Asia (China, Japan, Korea, and Vietnam) all met the challenge of the West with different outlooks and different results. Through close reading, analytical writing, and open discussion, we will come to understand the impetus for modernization in East Asia and assess the varying degrees of success achieved by East Asian nations in this regard. World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 229 Modern Imperialism (HIS)**

*Prerequisite: AST 122 (also HIS), 123 (also HIS), GSTR 203,210, HIS 102, or 227*

*Offered: Typically alternate years (next offered Fall 2007)*

This course is a selective exploration of imperialism using a comparative historical perspective. Beginning with a reflection on the meanings of "empire," the course explores the rise of European empires during the "high colonialism" of the 19th and 20th centuries. This course then will explore the expansion of European colonialism and regional responses-including local resistance, national revolutions, and the development of the Soviet and Japanese empires. After examining the dynamics of imperial decline between 1919 and 1945, the course will conclude by considering the status of empires in the post- World War II period. World Culture (Western) component of the International Perspective. 1 Course

**AST 231 Religions of India and Tibet (REL)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of the principal religious traditions of South Asia: Buddhism, Hinduism, Islam, Jainism, and Sikhism. The course includes readings in the classical primary texts of each tradition, as well as attention to ritual and practice. Religion Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 232 Religions of China and Japan (REL)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered in 2008-2009)*

A study of the principal religious traditions of East Asia: Buddhism, Confucianism, Shinto, and Taoism. The course includes readings in the classical primary texts of each tradition as well as attention to ritual and practice. Religion Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 248 Islamic Art and Architecture (ART)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of Islamic art and architecture in the Middle East, North Africa, and Spain. Arts Perspective and Religion Perspective. 1 Course

**AST 250 Indian and Southeast Asian Art History (ART)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered 2008-2009)*

A survey of the religious art (Buddhist, Dravidian, Hindu, Islamic, Jain) of India and Southeast Asia. Arts Perspective and Religion Perspective. 1 Course

**AST 260 Buddhism (REL)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2008)*

A study of the history and diversity of Buddhist traditions, from the time of the Buddha in 5th-century BCE India to contemporary Buddhist communities in Asia and the West. Special attention will be given to the problems and prospects of Buddhism in relation to contemporary issues, such as gender and sexuality, ecological change, and the relationship between religion and politics. Religion Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 308 Themes in Asian Traditions (REL)**

*Prerequisite: One AST course*

*Offered: Typically alternate years (next offered 2008-2009)*

A close study of selected texts, practices, or experiences of one or more Asian religious traditions. May be repeated for credit, provided topics vary. 1 Course

**AST 322 Seminar in Chinese History (HIS)**

*Prerequisite: HIS 122, 123, GSTR 221, or 310*

*Offered: Typically every Spring Term*

The goal of this course is two-fold. Through examining a key period in Chinese history, students both will develop a deeper appreciation for Chinese culture and a better understanding for the various methodologies that historians employ in analyzing complex societies. By reading key primary documents and secondary material from important historians, students will develop a picture of the way social, economic, political, and cultural issues interact and shape the period. May be repeated for credit, provided the topic differs from those studied previously. World Culture (Non-Western) component of the International Perspective. 1 Course

**AST 323 Seminar in Japanese History (HIS)**

*Prerequisite: ASTIHIS 122 or 123; or GSTR 221 or sophomore standing*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

The goal of this course is two-fold. Through examining a key period in Japanese history students will develop both a deeper appreciation for Japanese culture and a better understanding for the various methodologies that historians employ in analyzing complex societies. By reading key primary documents and secondary material from important historians, students will develop a picture of the way social, economic, political, and cultural issues interact and shape the period. May be repeated for credit, provided the topic differs from those studied previously. World Culture (Non-Western) component of the International Perspective. 1 Course

### **AST 401 Senior Seminar in Asian Studies**

*Prerequisite: Senior standing, or permission of instructor*

*Offered: Typically every Spring Term*

Through common readings and independent work, students will explore various views of Asia, past and present, from within Asia and from without. Through the common readings, students will deal with central questions regarding geographic visions of Asia, the reality or unreality of "Asia," key issues for the region, etc. Through regular presentations of ongoing individual projects, students will learn from each other about diverse Asia-related issues. For example, one day, students might all read an address written by the President of the American Association of Asian Studies, followed by individual presentations on aspects of Shinto religion, followed by the politics of the partition of India, followed by current concerns with North Korea. The course is intentionally open-ended and free-flowing both to encompass specific student interests and to develop the ability to think broadly about Asia. 1 Course

### **AST 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

### **AST 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

### **AST 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. I to 3 Courses*

### **AST 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **AST 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. Course*

## **Biology**

### **BIO 100 Introduction to Biology**

*Prerequisite: Completion or waiver of MAT 010, or permission of instructor*

*Offered: Typically every Fall Term*

Introduction to the practice of science, the study of biology, and the fundamental principles of living organisms. A first-year-level course specifically designed for non-Biology majors. Three class periods and one two-hour laboratory period each week. NOTE: Credit will not be given toward the Biology major. I Course

### **BIO 113 Experimental Zoology**

*Prerequisite: B10 110 with a grade of C- or higher, or permission of instructor*

*Offered: Typically Fall and Spring terms*

This core course is designed to allow prospective majors to engage themselves actively in the practice of biology. Its primary objective will be to introduce prospective majors (second term of first year or first term of sophomore year) to methods of experimental design, analysis, scientific writing, and poster or oral presentations of results. Students will be exposed to experimental systems representing various areas of Zoology (e.g., physiology, ecology, development, parasitology, evolution, etc.). Lectures will be limited to providing adequate background information for each research system and analytical tools (i.e., statistics, graphing programs, primary literature) for analyzing data. Two class projects and one group investigative project will be required. Three class periods and one three-hour lab each week. NOTE: Noncredit for students who completed BIO 313. I Course

### **BIO 114 Botany**

*Prerequisites: Completion or waiver of MAT 012; B10 110 with a grade of C- or higher; or permission of instructor*

*Offered: Typically Fall and Spring terms*

The diversity of the major divisions of the Monera, Protista, Fungi, and Plant Kingdoms is studied with emphasis on classification, evolution, morphology, physiology, genetics, and life cycles of organisms. A written report on a botanical topic is required of all students. Three class periods and one three-hour laboratory period each week. NOTE: Noncredit for students who completed BIO 314. I Course

### **BIO 101 Human Anatomy and Physiology I**

*Prerequisite: Completion or waiver of MAT 010, or permission of instructor*

*Offered: Typically Fall and Spring terms*

A study of the gross and microscopic anatomy of the human body and how it relates to body function. Emphasis is on basic chemistry, cells, tissues, and skeletal, muscular, nervous, and cardiovascular organ systems. This course deals with physiology as an integrating process within the body. Three class periods and one two-hour laboratory period each week. I Course

### **BIO 102 Human Anatomy and Physiology II**

*Prerequisite: B10 101 or permission of instructor*

*Offered: Typically every Spring Term*

A continuing study of the organ systems of the human body. Emphasis is on the special senses, integumentary, endocrine, respiratory, digestive, urinary, and reproductive systems. A cursory study of human development and genetics also is provided. Three class periods and one two-hour laboratory each week. NOTE: This course is noncredit for students who completed it as BIO 302. I Course

### **BIO 110 Modern Biology**

*Prerequisite: Completion or waiver of MAT 012, or permission of instructor*

*Offered: Typically Fall and Spring terms*

A foundation course in biology that serves as an introduction to the major. This introduction includes the presentation of the following concepts: general chemical principles, cell structure and function, metabolism, energy pathways, cell division, classical and molecular genetics, and evolution. Historical development and contemporary considerations of these topics will be emphasized. Laboratory exercises will be experimental and descriptive. Three class periods and one three-hour laboratory each week. NOTE: This first-year course is the prerequisite to all Biology courses with the exception of BIO 100, 101, 102, and 207. I Course

### **BIO 207 Pathophysiology: Concepts of Altered Health States**

*Prerequisites: Either 1) BIO 102, plus CHM 113 or CHM 131 (formerly 121) OR 2) BIO 220 (formerly 320), BIO323, and CHM 221 (formerly CHM 321)*

*Offered: Typically every Fall Term*

This course will explore human pathophysiology using a conceptual model that integrates alterations in health across the lifespan as the human body continually monitors and adjusts to the stress of everyday life. The course will be organized around common health problems with three areas of focus: 1) control of normal function, 2) altered function, and 3) the implications of human response. Integration of the physiologic mechanisms of drug therapy and other treatment modalities will be included. The class will consist of three hours of lecture and a two-hour laboratory each week. NOTES: This course may not be used to satisfy any concentration area requirement in the Biology major. Noncredit for students who completed BIO 307. 1 Course

### **BIO 220 Comparative Vertebrate Anatomy**

*Prerequisites: BIO 110 and BIO 113 (formerly 313), or permission of instructor; a sophomore-level course*

*Offered: Typically every Fall Term*

Structure-function relationships are used to study the internal and external morphology of various classes of vertebrates. Variations in structure will be discussed in the context of evolution of form and function. Dissections of representative vertebrates are used to illustrate the major evolutionary changes in vertebrate systems. Three two-hour class/laboratory periods each week. 1 Course

### **BIO 222 Microbiology**

*Prerequisites: BIO 102 (formerly 302) or 110 AND CHM 113 or 221 (formerly CHM 321)*

*Offered: Typically annually (next offered Fall 2007)*

A study of microorganisms and their various activities with special emphasis on bacteria and viruses. Topics include microbial cell structure and function, microbial diversity, microbial growth and metabolism, and microbial genetics. The role of microorganisms in infectious disease, as well as specific and non-specific host defense, also will be one of the major focuses of the course. Applied and environmental microbiology also will be discussed. Students will gain experience culturing and manipulating a wide variety of microorganisms in the lab. Students also will design, conduct, and present the results of an independent laboratory research project. Three class periods and one three-hour laboratory period each week. NOTE: Noncredit for students who completed BIO 322. 1 Course

### **BIO 323 Human Physiology**

*Prerequisites: BIO 110 and 113 (formerly 313); AND CHM 221 (formerly 321); or permission of instructor; this is a sophomore-, junior-, or senior-level course*

*Offered: Typically every Spring Term*

Structure and function of the human body is examined at the system and cellular level. The course is organized around the major organ systems: nervous and endocrine systems, respiratory and cardiovascular systems, renal and digestive systems, the immune system, and reproductive systems. Each system will be studied in isolation, and as part of the interaction among all systems in the maintenance of homeostasis. Clinical disorders will be used as examples in understanding normal physiological function, but the course does not have a medical physiology focus. Three class periods and one three-hour laboratory period each week. NOTE: Not open to students with credit in BIO 101 or 102. 1 Course

**BIO 324 Parasitology**

*Prerequisite: BIO 113 (formerly 313) or permission of instructor; a sophomore-, junior-, or senior-level course*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

The intent of this course is to expose students to the general morphological features and life cycles of selected human helminths and arthropods with directly or indirectly affect human health. Parasite pathology, diagnosis and control will accompany this coverage. The course also will consider a number of local examples of non-human parasites in the interest of diversity and safety, and expose students to field collection strategies. Students will be required to master several techniques that will involve the recovery and proper preservation of parasites from naturally infected hosts and the completion of a permanent slide project. A second objective is to expose students to experimental designs for conducting experiments with parasites which will include an exposure to primary literature and the completion of a research poster related to an individual or group project. 1 Course

**BIO 326 Invertebrate Zoology**

*Prerequisite: BIO 113 (formerly 313) or permission of instructor; a sophomore-, junior-, or senior-level course*

*Offered: Typically alternate Fall Terms, contingent upon faculty availability*

This traditional course emphasizes the comparative morphology, physiology, life cycles, and evolutionary relationships of the major invertebrate phyla. Laboratories will include observation of living and preserved material, prepared slides, dissections, and numerous field collection trips. Techniques for preparing and cataloging specimens will result in the completion of an invertebrate collection. Three class periods and one three-hour lab each week. 1 Course

**BIO 330 Genetics**

*Prerequisites: BIO 113 and 114 (formerly BIO 313 and 314); CHM 222 (formerly CHM 322); or permission of instructor; this is a junior- or senior-level course*

*Offered: Typically every Spring Term (not offered Spring 2008, as an exception)*

A study of the principles of heredity and their application in living organisms. Classical transmission genetics is introduced at the phenotypic level and developed at the molecular genetics level. Topics include transmission genetics; chromosome theory, structure, and transmission; genetic linkage, recombination, and mapping; human karyotypes and chromosome behavior; extranuclear inheritance; DNA mutation and repair, gene structure, expression, and regulation; population genetics and evolution; genetic engineering and genomics; and genetic bioethics. The laboratory component of this course is research-rich, and students will conduct several research-based projects. Students also will be expected to prepare and orally present a primary research article as part of the course "Journal Club." Three class periods and one three-hour laboratory period each week. 1 Course

**BIO 331 Developmental Biology**

*Prerequisites: BIO 113 (formerly 313) and CHM 221 (formerly 321), or permission of instructor; this is a sophomore- or junior-level course*

*Offered: Typically alternate Fall Terms (next offered Fall 2009)*

The origin and development of individual animals is described from the formation of the egg and sperm through fertilization and the development of a mature organism. The emphasis is on vertebrates, but invertebrates and plants are included as well. Lectures focus on the molecular and morphological characteristics of development, and on classical and modern experiments in the field. Students will gain experience with the primary literature of developmental biology. Laboratory exercises include work with sea urchins, chicks, frogs, fruit flies, and plants. Three class periods and one three-hour laboratory period each week. 1 Course

**BIO 332 Mammalogy**

*Prerequisite: BIO 113 (formerly 313) or permission of instructor*

*Offered: Typically alternate Fall Terms, contingent upon faculty availability*

An introduction to the study of mammal biology. Emphasis will be upon classification, morphology, ecology, geographical distribution, natural life history, and field methods with a field focus on Kentucky mammals. Two class periods and two two-hour laboratory periods each week. 1 Course

**BIO 342 Field Botany**

*Prerequisites: Completion or waiver of MAT 012; BIO 114 (formerly 314); or permission of instructor; this is a junior- or senior-level course*

*Offered: Typically every Spring Term*

Identification, classification, ecological, and economic uses of the local and regional native and naturalized flora. The focus will be spring Magnoliophytes and selected Pteridophytes and Pinophytes in eastern Kentucky. Nine hours of class, laboratory, and field work each week. NOTE: Noncredit for students who completed BIO 442. 1 Course

**BIO 344 Dendrology and Forest Ecology**

*Prerequisite: BIO 114 (formerly 314) or permission of instructor; this is a junior- or senior-level course*

*Offered: Typically every Fall Term*

Identification, classification, ecological, and economic uses of the native and naturalized woody plants and autumn flora of eastern Kentucky with special reference on the vegetation of the Eastern Deciduous Forest Region. Nine hours of class, laboratory, and field work each week. NOTE: Noncredit for students who completed BIO 444. 1 Course

**BIO 441 Cellular and Molecular Biology**

*Prerequisites: BIO 113, 114 (formerly BIO 313, 314), CHM 222 (formerly CHM 322) or permission of instructor; BIO 222 (formerly BIO 322) is suggested strongly; this is a senior-level course*

*Offered: Typically alternate Fall Terms (next offered Fall 2009)*

An integrated study of cell structure and function at the molecular and macromolecular levels. Emphasis is on both traditional and contemporary areas of cell biology. Topics typically discussed include plasma membrane structure and function; ion and macromolecular transport; cellular bioenergetics and metabolism; organelle structure and function; structure and function of cytoplasmic membrane systems; membrane trafficking; the cytoskeleton and cell motility; cell-to-cell interaction, communication, and signaling; the cell cycle and cell death; and special topics such as oncogenesis and stem cells. The laboratory component of this course is research intensive, and students will participate in an on-going class-based research project as part of this course. Students also will gain experience using a wide range of cell and molecular laboratory techniques. Students will prepare and present two primary research articles as part of the course "Journal Club" and will prepare a pre-doctoral fellowship proposal based on one of their chosen articles. Three class periods and one three-hour laboratory period each week. 1 Course

**BIO 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: See note below*

*See p. 48 of this Catalog. NOTE: Eight hours of laboratory, library, field, and discussion time to be arranged each week during Fall or Spring Term; full-time during Short Term. 1/2 or I Course*

### **BIO 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. NOTE: Designed for the qualified student to pursue Faculty-directed primary research, or conduct a special study of a biological topic using primary literature sources, and development of special techniques in a biological specialization. A satisfactory paper and oral presentation are required. 1 Course*

### **BIO 494 Evolution**

*Prerequisite: Senior standing or permission of instructor*

*Offered: Typically every Spring Term*

Capstone course required for all senior-level Biology majors. A study of the processes, concepts, and philosophical implications of the modern theory of biological evolution. Topics range from chemical evolution and the origin of life to macro evolutionary trends in adaptive radiation and extinction.

Examples from various taxa are employed to examine concepts such as species and speciation, evolutionary rates, and the role of chance events in the evolutionary process. Evolutionary theory is examined in relation to its ability to explain biological complexity and structural anomalies in various taxa including humans. Three two-hour class periods each week. 1 Course

### **BIO 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

### **BIO 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 48 of this Catalog. 1 Course*

### **BIO 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Chemistry**

### **CHM 101 Foundations of Chemistry**

*Prerequisite: Completion or waiver of MAT 010 or concurrent enrollment in MAT 011*

*Offered: Typically every Fall Term (first offered Fall 2007)*

An introduction to the foundations of chemistry designed for students who are interested in the physical sciences and have had limited math and/or high-school chemistry background. Topics covered will include scientific method, significant figures, units and unit cancellation, stoichiometry, simple atomic theory and structure, simple chemical nomenclature, and mole calculations. This course may be waived by examination. It meets three hours per week of content lectures with an additional tutorial hour in place of laboratory. Practical Reasoning with Quantitative Emphasis (PRQ). NOTES: Concurrent enrollment in MAT 012 or higher is suggested (particularly if students plan to continue on to CHM 131, which also has MAT 012 as a prerequisite). Noncredit for students who already have earned credits in regularly offered Berea College CHM courses. 1 Course

### **CHM 113 Fundamentals of General and Biological Chemistry**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically annually (next offered Spring 2008)*

The fundamental principles of chemistry emphasizing the nature and activity of physiological substances and of metabolic pathways. Three classes and one two-hour laboratory period each week. NOTE: Students who wish to pursue medical, dental, or pharmaceutical careers should not take this course because it is intended primarily for students who are majoring in Agriculture and Natural Resources or Nursing and other allied-health fields. 1 Course

### **CHM 131 Accelerated General Chemistry**

*Prerequisite: Permission of instructor or completion or waiver of both MAT 012 and CHM 101*

*Offered: Typically Fall and Spring terms (first offered Fall 2007)*

An accelerated study of general chemistry designed for students who have taken or waived CHM 101. Students are assumed to be familiar with topics from CHM 101, which will be reviewed in the first two weeks of the course. The majority of the course will deal with topics that come at the middle and end of a general-chemistry course sequence, including molecular orbitals, acid-base chemistry, chemical equilibria, buffers, thermochemistry, kinetics, gas laws, and solid/liquid interactions. The goal of this course is to cover sufficient material so that students are prepared to enter fully a standard organic-chemistry sequence without needing additional general-chemistry course work. This course meets three hours each week with an additional three-hour laboratory session each week. NOTES: Concurrent enrollment in MAT 115 or higher is suggested. Noncredit for students who completed CHM 121, 124, or 134. 1 Course

### **CHM 134 Accelerated Environmental Chemistry**

*Prerequisite: Permission of instructor or completion or waiver of both MAT 012 and CHM 101*

*Offered: Typically Fall and Spring terms (first offered Fall 2007)*

This course is equivalent in content to CHM 131, with an emphasis on environmental issues and applications. These topics include molecular orbitals, acid-base chemistry, chemical equilibria, buffers, thermochemistry, kinetics, gas laws, and nuclear chemistry. The goal of this course is to cover sufficient material so that students are prepared to enter fully a standard organic chemistry sequence without needing additional general-chemistry course work. This course meets for three hours each week with an additional three-hour laboratory session each week. NOTES: Concurrent enrollment in MAT 115 or higher is suggested. Noncredit for students who completed CHM 121, 124, or 131. 1 Course

### **CHM 221 Organic Chemistry I**

*Prerequisite: CHM 131 or 134 (which replaced CHM 121 or 124)*

*Offered: Typically Fall and Spring terms*

A study of the chemistry of carbon compounds: organic acids and bases, alkanes and cycloalkanes, stereochemistry, nucleophilic substitution and elimination, alkenes, and alkynes. Emphasis will be placed on nomenclature, physical and chemical properties, reactivity, and reaction mechanisms. This course meets for three hours of lecture per week with an additional three-hour laboratory session each week. NOTE: Noncredit for students who have completed CHM 321. 1 Course

### **CHM 222 Organic Chemistry II**

*Prerequisite: CHM 221 (formerly 321)*

*Offered: Typically Fall and Spring terms*

A continuation of Organic Chemistry two-course sequence. Topics include: the chemistry of aromatic compounds; spectroscopy (NMR, UV/Visible, IR, Mass Spectrometry); alcohols, diols, ethers, aldehydes, and ketones; carboxylic acids and their derivatives; enols and enolates; condensation reactions; and amines. This course meets for three hours of lecture per week with an additional three-hour laboratory session each week. NOTE: Noncredit for students who have completed CHM 322. 1 Course

### **CHM 311 Analytical Chemistry**

*Prerequisite: CHM 131 or 134 (or 121 or 124, no longer offered), and completion or waiver of MAT 135 (formerly 220), or concurrent enrollment*

*Offered: Typically every Spring Term (first offered Spring 2009)*

A study of analytical chemistry theory and methods designed for students who are either Chemistry majors or who desire a 4th term of chemistry as an option in lieu of CHM 345. The material is an extension of the content in CHM 131 and 134 with an emphasis on analytical methods. In particular, topics will include complex equilibria, complex acid-base chemistry, activities, error analysis, calibrations, standardizations, obtaining and preparing samples for analysis, gravimetric methods, titrations, electrochemistry, and chemical instrumentation. This course meets three hours with an additional three-hour laboratory session each week. NOTE: Noncredit for students who have completed CHM 341. 1 Course

### **CHM 345 Biochemistry**

*Prerequisite: CHM 311 (formerly 341)*

*Offered: Typically every Fall Term*

A one-term intensive study of modern biochemistry. The class is comprised of three major sections in the biomolecules section, students will study amino acids, nucleic acids, carbohydrates, and lipids. In the proteins section, students will study protein structure, function, and enzyme kinetics. Finally, in the metabolism section, students will study glycolysis, the citric-acid cycle, and electron transport/oxidative phosphorylation. This class draws on all four previous classes of chemistry (CHM 131/134, 221, 222, and 311). There will be three hours of lecture each week. 1 Course

### **CHM 361 Thermochemistry**

*Prerequisite: CHM 311 (formerly 341); MAT 225; PHY 218 (or concurrent enrollment) or PHY 315; or permission of instructor*

*Offered: Typically every Spring Term*

An advanced study of classical thermodynamics and chemical kinetics. Topics include a detailed study of energy, entropy and enthalpy, multi-component phase diagrams, real gases, electrochemical systems, reaction kinetics, and transport processes. The fundamental goal is to achieve a physical description of general chemical phenomena with a strong emphasis on mathematical models. There will be three hours of lecture each week. 1 Course

### **362 Quantum Chemistry**

*Prerequisite: CHM 311 (formerly 341), MAT 225, PHY 218 or PHY 315, or permission of instructor*

*Offered: Typically every Fall Term*

An advanced study of quantum mechanics and statistical mechanics. Topics include in-depth treatment of various fundamental problems in quantum mechanics (particle in a box, rigid rotor, harmonic oscillator), applications of these problems to chemical systems, atomic and molecular orbital theory and structure, spectroscopy, lasers, and statistical mechanics. The fundamental goal is to achieve a physical description of the quantum nature of matter and how this manifests itself in chemical problems. This course relies heavily on mathematical approximations to difficult differential equations and interpretation of these answers in terms of probabilities. There will be three hours of lecture each week. 1 Course

### **CHM 370 Advanced Laboratory I**

*Prerequisite: CHM 311 (formerly 341); or permission of instructor*

*Offered: Typically every Fall Term*

*See general description above. 1/2 Course*

**CHM 371 Advanced Laboratory II**

*Prerequisite: CHM 370 and one additional CHM course at the 345-or-higher level (which may be taken concurrently); or permission of instructor*

*Offered: Typically every Spring Term*

*Continuation of CHM 370. See general description above. 1/2 Course*

**CHM 470 Advanced Laboratory III**

*Prerequisite: CHM 370 (or concurrent enrollment) and one additional CHM course at the 345-or-higher level; or permission of instructor*

*Offered: Typically every Fall Term*

*Continuation of CHM 371. (See general description above.) In this course, students will be expected to take an active leadership role in the group projects that are shared jointly between this course and CHM 370. 1/2 Course*

**CHM 471 Advanced Laboratory IV**

*Prerequisite: CHM 371 (or concurrent enrollment) and two additional CHM courses at the 345-and-higher-level or permission of instructor*

*Offered: Typically every Spring Term*

*Continuation of CHM 470. (See general description on previous page.) In addition, students will take a written comprehensive chemistry examination as part of this course. Students will be graded pass/fail on this examination and may retake the exam multiple times throughout the term, if needed. Failure to pass this examination will result in an incomplete grade for CHM 471, which will become a grade of F on the student's transcript at the end of the next regular term. 1/2 Course*

**CHM 451 Advanced Inorganic Chemistry**

*Prerequisite: CHM 311 (formerly 341)*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

*A study of modern concepts in inorganic chemistry, including atomic and molecular orbital theory, ligand field theory, and molecular symmetry. 1 Course*

**CHM 452 Advanced Organic Chemistry**

*Prerequisite: CHM 222 (formerly 322)*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

*Topics include an introduction to molecular orbital theory, pericyclic reactions, the Woodward-Hoffmann Rules, multi-step synthesis, drug synthesis, the chemistry of heterocyclic compounds, and macromolecular chemistry. There will be three hours of lecture each week. 1 Course*

**CHM 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically Fall and Spring terms, at departmental discretion*

*See p. 48 of this Catalog. NOTE: This course will allow each instructor to offer an advanced course exploring a topic such as spectroscopy (focusing on NMR primarily), electrochemistry (fuel cells and battery technology), biochemistry (including topics such as metabolism, nucleic acids or protein chemistry), or other specialized topics. 1/2 or 1 Course*

**CHM 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**CHM 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**CHM 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**CHM 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. NOTE: In this course, students conduct research under the supervision of a Chemistry instructor. Each Chemistry major must complete this course or an equivalent Summer or Short Term experience. This course may be repeated as often as the student and faculty mentor see fit. Students are required to present two presentations relating to their project. One presentation must be on campus and the other off campus. 1 Course*

## **Child and Family Studies**

**CFS 103 The Science of Food Systems (ANR)**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically alternate springs (next offered Spring 2009)*

A study of the production of food from the farm to the table, emphasizing the environmental and economic sustainability of various systems of food production. Includes the science of soil management, systems of crop and livestock management in the production of foodstuff, food chemistry, food safety, and human nutrition. Laboratory experiences and field trips will be included. 1 Course

**CFS 110 Apparel and Costume Design and Construction (THR)**

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

This course offers an introduction to the design and construction of basic garments and costumes. An exploration of the history of fashion and costume history, including the social, economic, cultural, and psychological factors influencing the selection and use of apparel and costumes. The course includes instruction in fibers and textiles; pattern drafting, design, fitting, and construction techniques; alterations of commercial patterns; and care, repair, storage, and recycling of clothing and costumes. Will also examine consumer buying and technological innovations used in the fashion industry. Course Fee: \$15. 1 Course

**CFS 115 Principles of Food Science**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

This course offers an introduction to the scientific principles involved with selection, preparation, preservation, and evaluation of food in relation to quality standards, acceptability, and aesthetics. It examines the nutrient composition of foods; the physical and chemical properties of foods; the regulated use of additives; food safety and toxicology; and the microbiological influences associated with food production. Lab experiments investigate principles of food chemistry including the interrelationship of ingredients and their effects on physical, chemical, and sensory characteristics of foods; food safety, sanitation, and related nutrition issues. Course Fee: \$15. 1 Course

**CFS 130 Lifespan Human Development**

*Prerequisite: GSTR 100 or GSTR 100*

*Offered: Typically Fall and Spring terms*

A survey of growth and development from conception through old age and death. Theories of development, contexts of development, research methodologies, and historical and contemporary issues are examined to help describe the physical, social, emotional, cognitive-perceptual, and moral-conscious aspects of growth and development. Individual differences, family, social, and cultural diversity, along with non-normative development for each phase of development, are examined. Directed observation is required. 1 Course

**CFS 145 Consumer Decision Making**

*Offered: Typically Fall and Spring terms*

Principles of decision making applied to the use of household resources and individual choices relative to the purchase, consumption, and production of goods and services. Consumer concerns such as health care, credit, housing, food, clothing, savings, insurance, and protective legislation are covered. Practical Reasoning (PR). 1 Course

**CFS 207 Family Relations (WST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically Fall and Spring terms*

An introductory survey of the psycho-social aspects of family science, including an examination of functions and variations over the life cycle, diverse family forms, gender roles and power, family resources, healthy intimate relations and personal communication, and issues of parenthood. This course balances theory and personal application. African Americans', Appalachians', and Women's Perspective and Social Science Perspective. 1 Course

**CFS 210 Foundations of Interdisciplinary Early Childhood Education (EDS)**

*Prerequisite: CFS 130 or permission of instructor*

*Offered: Typically every Spring Term*

This course is designed to help students develop a philosophy of teaching and learning for children birth through kindergarten. Current thought and practice will be examined in light of the early childhood profession and its historical, philosophical, and social foundations. Public policy, legal implications, and a code of ethics will be studied. Theoretical perspectives including psychoanalytic theories, social-learning theories, behaviorism, cognitive and developmental theories, the humanistic models, and the normative-descriptive systems will be used to establish a framework for analysis and assessment. Historical and contemporary models of early childhood education, such as Head Start, High Scope, Montessori, British Infant Schools, Reggio Emilia, enrichment programs, and comprehensive, compensatory, and intervention models will be examined in view of their effects on children, families, and communities. 10 field hours. 1 Course

**CFS 217 Parent/Child Relations**

*Prerequisite: Sophomore standing or above*

*Offered: Typically Fall and Spring terms*

An intensive study of the nature of parent-child relations, parental roles, theories of parenting, and developmental interaction throughout the lifespan. Focuses on cultural, social, and family diversity; family resources; family services; adult and child learning principles; and historical and contemporary parenting in the United States. Students will be introduced to a variety of parenting-education programs and learn strategies for working with parents. This course is for both those who want to improve their own parenting skills and those who will work with parents in a professional capacity. 1 Course

**CFS 221 Fundamentals of Nutrition**

*Prerequisites: GSTR 100 or 110; and GSTR 203 or 210*

*Offered: Typically Fall and Spring terms*

This course integrates the principles of nutrition and the promotion of personal health and well-being through dietary disease prevention. It emphasizes the functions of basic nutrients within the human body and in outstanding dietary sources, as well as factors that have an impact on food sources and selection of an adequate diet. Class discussions and activities survey current consumer issues, nutritional concepts and controversies, myths, and factors that influence dietary habits. 1 Course

**CFS 225 Food, Culture, and Society**

*Prerequisites: GSTR 203 or GSTR 210; or permission of instructor*

*Offered: Typically every Fall Term*

A study of the cross-cultural role of food as an integral component of early civilization through more modern societies, including both western and non-western cultures. Through selected readings, the use of artifacts, interviews, field trips, personal reflections, and hands-on opportunities, we will survey the historical evolution of food from early civilization through the Middle Ages, the Renaissance, the Industrial Revolution, and into the 21st century. This examination will explore the use of and symbolic representation of food within selected religious traditions, ethnic groups, health practices, and other aesthetic, moral, and social norms and cultural contexts. World Culture (Western) component of the International Perspective. Course Fee: \$10. 1 Course

**CFS 237 Human Environments I (Residential Housing)**

*Prerequisite: Sophomore standing or above*

*Offered: Typically every Fall Term*

Shelter choices for individuals and families; sustainability in housing design and construction; architectural styles; universal design; and kitchen design. 1 Course

**CFS 238 Human Environments II (Interior Design)**

*Prerequisites: Sophomore standing or above; CFS 237 preferred*

*Offered: Typically every Spring Term*

Selection of interior elements of housing: furniture, finishes, textiles, accessories; residential and commercial applications; characteristics of textiles used in home furnishings; incorporation of sustainable design and historical influences. Arts Perspective. Course Fee: \$15. 1 Course

**CFS 252 Methods in Teaching Family and Consumer Science Education (EDS)**

*Prerequisite: Sophomore standing or above; open to CFS Education Studies majors or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

Methods specific to teaching Family and Consumer Sciences in middle and high schools and in adult education, including Special Topics such as developmentally-appropriate instruction, curriculum development, student organizations, and teaching reading in the content area. Assessment of the relationship between teaching methods and cognitive science. Course Fee: \$10. 1 Course

### **CFS 313 Infancy and Early Childhood**

*Prerequisite: CFS 130 or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

An intensive study of growth and development from conception through early childhood. Stress is placed on a critical study of the physical, social, emotional, cognitive-perceptual, and moral-conscious aspects of development. Such topics as individual differences, social and family diversity, play and developmentally appropriate learning activities, assessment and data collection, working with parents, interdisciplinary service delivery models, and intervention resources and strategies for working with individuals and families are examined in view of normative and non-normative development in prenatal life, infancy, and early childhood. 1 Course.

### **CFS 315 Middle Childhood and Adolescence**

*Prerequisite: CFS 130 or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

An intensive study of growth and development from middle childhood through adolescence. Stress is placed on a critical study' of the physical, emotional, and social cognitive-perceptual and moral-conscious aspects of development. Emphasis also is placed on non-normative development during middle childhood and adolescence. Directed observations are required. 1 Course

### **CFS 334 Culinary Arts and Hospitality**

*Prerequisites: CFS 115 and 221; or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

This course examines the conceptual representation of food within historical, socio-cultural, psychological, artistic, and other contexts. Principles of menu planning and management functions for residential and commercial settings are integrated throughout the course. Lab exercises, field trips, and other class activities emphasize basic culinary principles and food presentation techniques; the study of manufacturing processes, proper selection and care of table appointments; appropriate table-service principles; social etiquette; and a survey of local, regional, national, and international cuisines. Course Fee: \$15. 1 Course

### **CFS 345 Community Nutrition**

*Prerequisites: GSTR 110 or permission of instructor*

*Offered: Typically every Spring term*

An exploration of nutritional needs and effective nutrition education models through the human lifecycle. This exploration will survey a broad framework of community food and nutrition services that are available through public, private, and non-profit organizations, such as WIC, community food banks, and Meals on Wheels. The primary emphasis will be to examine food and nutrition community services as effective vehicles to address quality of life issues for mothers and infants, adolescents, and young, middle, and older adults. A service-learning component will be a significant element of the course. Particular emphasis will be placed on enhancing library and research skills, critical reading, active listening skills, and effective interviewing, speaking, and writing skills. Course Fee: \$10. 1 Course

### **CFS 350 Family Law and Policy**

*Prerequisites: CFS/WST 207 or permission of instructor*

*Offered: Typically every Fall term.*

An examination of the relationship between law and family. This course explores the inter-relationship between the evolution of family law and societal change, the controversies involving sexual and family privacy, and state versus federal regulation of families. Topics include a legal examination of premarital situations and controversies; capacity to marry and the formalities of marriage; rights and duties of marital partners; annulment and separation; divorce grounds and no-fault divorce; spousal support and basic issues of property distribution; rights and responsibilities of parenthood; definitions of parent (surrogacy, adoption, presumptions of legitimacy); principles governing child custody and visitation; child support; legal protection of individuals within the family (domestic violence, child abuse, medical decisions); and regulation of non-traditional relationships (unmarried heterosexual and same-sex couples). In addition, this course examines public policy as it affects the family, including tax, civil rights, social security, and economic support laws and regulations. 1 Course

### **CFS 353 Childhood Guidance and Behavioral Management**

*Prerequisite: CFS 130, EDS 227 (formerly 327), or EDS 228 (formerly 328), or permission of instructor*

*Offered: Typically every Fall Term*

A study of the behavior and development of young children focusing on theories of guidance, systematic guidance strategies, behavioral goals and outcomes, assessment of developmental levels and learning goals, best practices applications, behavior-management skills, and problem-solving strategies in working with children in learning environments and family settings. 10 field hours. 1 Course

### **CFS 356 The Exceptional Child**

*Prerequisite: CFS 130, EDS 227 (formerly 327), or EDS 228 (formerly 328), or permission of instructor*

*Offered: Typically alternate Fall Terms' (next offered Fall 2008)*

An introductory course focusing on definitions, assessment, etiology, psychological effects, and treatment of mental retardation, impaired hearing, speech and vision, orthopedic problems, epilepsy, autism, childhood schizophrenia, the gifted child, and others. Attention is devoted to an introduction to individual differences and cultural, family, and social diversity, legal and ethical guidelines, intervention resources and strategies, interdisciplinary service models, and IEPs and IFSPs. 10 field hours. 1 Course

### **CFS 358 Child Health and Assessment (NUR)**

*Prerequisite: Permission of instructor*

*Offered: Typically alternate Short Terms (next offered Short Term 2008)*

This course is designed as a comprehensive study of the health and safety needs of young children (birth through age 8) and the use of multiple assessments of children's development. Content will include prenatal and postpartum care; immunizations; chronic and acute health-care needs; safety issues and good health practices; legal and ethical considerations; evaluation of assessment instruments; and assessment report composition. Students also will become competent in the use of multiple assessments-such as observations, checklists, interviews, anecdotal records, play-based assessments, and norm-and-criterion-referenced tools as prescribed by state and national organizations and learned societies-and will be prepared to make professional decisions regarding screening, assessment, initial program planning, program modification, and program evaluation for young children. Emphasis will be placed on the culturally sensitive collaboration between the student and the families as part of a multi-disciplinary team. 20 field hours. Course Fee: \$15. 1 Course

### **CFS 360 Curriculum and Materials in Early Childhood Education (EDS)**

*Prerequisite: CFS 130 and CFS/EDS 210, or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

This course is designed to study the foundations of curriculum, the sequence of learning activities, and the curricular materials used in learning environments for children from infancy through age five. Using research and other resources, the student will explore the nature of and the appropriate use for indoor and outdoor equipment, and examine how individually and developmentally appropriate materials and equipment are used to facilitate and encourage the natural or normal sequence of development of the young child and meet the programmatic objectives. Attention will be focused on developing an appreciation for the value of play, learning strategies creating healthy and safe environments, evaluation and assessment, and adapting materials and curricula for multi-ability children in child-care programs, schools, and in the home. 10 field hours. Course Fee: \$10. 1 Course

### **CFS 362 Contemporary Family Issues**

*Prerequisite: CFS/WST 207 or permission of instructor*

*Offered: Typically every Spring Term*

In-depth examination and ethical consideration of contemporary issues that affect family functions and relations. Includes an overview of family-science theories and addresses such topics as balancing needs of children and adults, divorce, single-parent families, stress, demographic shifts, work-related issues, sub-cultural variations, reproductive technologies, family violence, drug/alcohol abuse, foster care, and social services. Issues are examined through readings in professional journals and research-based publications and discussed in a seminar format. 1 Course

### **CFS 366 Cross-Cultural Perspectives on Family (WST)**

*Prerequisite: SOC 100 or permission of instructor*

*Offered: Typically every Fall Term*

Study of cultural influences upon family functions, structures, and behaviors, focusing on the recognition and understanding of cultural similarities and differences. Covers topics such as cross-cultural interrelationships among economy, government, religion, and family; kinship systems and patterns of marital residence; cultural variations in power distribution and sex roles; differences in childrearing patterns; universal shifts from "traditional" families; and variations in roles of aging family members. African Americans', Appalachians', and Women's Perspective and World Culture (Western) component of the International Perspective. 1 Course

### **CFS 372 Food Service Systems Management**

*Prerequisite: CFS 115, 221, and 334, or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

This course models a systems approach to management theories that relate to the effective use of resources in food-service facilities. Emphasis is placed on the use of the computer and other technology as effective decision-making tools. This model explores quality control, food and operational safety, sanitation practices, cost control, and customer satisfaction. Lectures, labs, class activities, and field trips provide experiences for examining procurement, quantity food production, service and distribution, and maintenance operations within health care, colleges/universities, restaurants, schools, and related facilities. Course Fee: \$15. 1 Course

**CFS 380 Methods of Teaching in Early Childhood Education (EDS)**

*Prerequisite: CFS/EDS 210 and 360, or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

Consideration of theories, philosophies, principles, curricula, and materials in the teaching-learning process involved with sociodramatic play, art, music, literature, literacy and language, sensory experiences, mathematics, health and nutrition, science, social studies, and activities for large- and small-muscle development. The student will plan, design, and implement developmentally appropriate activities for multi-ability children in child-care programs, schools, and in home environments, as well as assist in the overall operation of a program for young children and develop best practices management knowledge and skills in preparation for teaching practicum. 24 field hours. Course Fee: \$10. 1 Course

**CFS 382 Early Childhood Special Education (EDS)**

*Prerequisite: CFS 130 and CFS/IEDS 210, or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

This course is designed for students preparing to teach children birth through age five, and comprises a comprehensive study of early-childhood special education focusing on historical developments; the impact of technology; local, state, and federal requirements; characteristics of children with disabilities; IEP and IFSP requirements and management; cultural diversity; screening, diagnosis, and assessment of young children who need special services; learning center and home-based service delivery; curriculum and instructional considerations; and, relating to, involving, and supporting families of children with disabilities. 24 field hours. Course Fee: \$15. 1 Course

**CFS 441 Family Resource Management**

*Prerequisite: CFS 130, 145,207 (also WST), and CFS 221, or concurrent enrollment and senior standing*

*Offered: Typically every Fall and Spring term*

Focuses on decision-making and organizational processes to achieve individual and family goals through the effective use of resources. One-half term on the investigation of the management process; remainder of term devoted to application of concepts in Home Management House practicum. Course Fee: \$15. 1 Course

**CFS 475 Teaching Practicum in Interdisciplinary Early Childhood Education (EDS)**

*Prerequisite: Completion of all required major and education courses for IECE program and admission to Student Teaching*

*Offered: Typically every Fall Term*

Students in the Interdisciplinary Early Childhood Education program will spend 12-14 weeks in various approved birth through kindergarten settings under the joint guidance of supervising teachers and the early-childhood-education faculty of the Child and Family Studies Department. Students will develop and implement learning environments and educational experiences for multi-ability and multi-age children and their families in home-based, center-based, and school programs. All students will attend weekly one-hour seminars. By the end of the teaching practicum, students will have completed all Education portfolio requirements. 1 Course

**CFS 480 Senior Seminar**

*Prerequisite: CFS 130, 145, 207 (also WST), CFS 221, and 441, or concurrent enrollment and senior standing*

*Offered: Typically Fall and Spring terms*

Survey of social-science research methodology and data analysis from the perspectives of a researcher and a consumer of professional research. Each student conducts an individual research project that integrates material from previous courses. Oral and written presentations of the project are required. Includes an overview of the foundations of the field of Family and Consumer Sciences in terms of individual, family, and community interaction and service, and an exploration of professional resources, organizations, and publications. 1 Course

**CFS 186128613861486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**CFS 397/497A or 8 Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**CFS 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

**CFS 390/490A or 8 Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**CFS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically Every term*

*See p. 49 of this Catalog. NOTE: To count as a CFS Internship, the primary sponsor must be a full-time member of the CFS faculty. The CFS Department has imposed specific expectations for Internships within this Department. Please check with the Department Chairperson for additional information. 1 to 3 Courses*

## **Economics**

**ECO 101 Principles of Macroeconomics**

*Prerequisites: Completion or waiver of MAT 012; first-year (preferred) or sophomore standing*

*Offered: Typically Fall and Spring terms*

An introduction to the nature and method of economics. Emphasis on the determination of the level of national income, output, employment, and prices. Topics include monetary policy, fiscal policy, economic growth; may include comparative economic systems, and international trade and finance. Social Science Perspective. 1 Course

**ECO 102 Principles of Microeconomics**

*Prerequisites: Completion or waiver of MAT 012; first-year (preferred) or sophomore standing*

*Offered: Typically Fall and Spring terms*

An introduction to exchange processes, price and output determination, and alternative market structures, both in the product and resource markets. Additional topics include the role of government, public goods, income distribution, and resource or environmental economics. Social Science Perspective. 1 Course

**ECO 250 Applied Statistics**

*Prerequisites: MAT 110 (no longer offered at Berea) OR MAT 115 AND BUS 125; or permission of instructor; sophomore (preferred) or junior standing*

*Offered: Typically Fall and Spring terms*

Selected statistical methods applied to economic and business data. Methods include data-based techniques of graphical display, descriptive statistics, simple probability models based on random variables, one and two sample inference on means and proportions, analysis of variance, correlation, and regression. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: This course is noncredit for anyone with credit in MAT 438. 1 Course

**ECO 301 Intermediate Macroeconomics**

*Prerequisites: ECO 101 or permission of instructor; and MAT 135 (formerly 220)*

*Offered: Typically every Spring Term*

Theory of aggregate income determination in the long run and over the business cycle. Development of models of consumption, investment, net exports, and government spending in both a static and dynamic setting. Includes the effect of fiscal and monetary policy on income and other macroeconomic variables. Social Science Perspective. 1 Course

**302 Intermediate Microeconomics**

*Prerequisites: ECO 102 or permission of instructor; and MAT 135 (formerly 220)*

*Offered: Typically every Fall Term*

Theory of the economic behavior of households and firms in a market context. Includes the development of the determinants of demand, cost, production, and supply. Development of equilibrium models of exchange and welfare economics. Social Science Perspective. 1 Course

**ECO 332 Money and Banking**

*Prerequisites: ECO 101 or 102; sophomore (preferred) or junior standing*

*Offered: Typically every Fall Term*

Money, banks, and financial markets; the role of money in the economy, monetary theory, and policy; and international monetary relationships. 1 Course

**ECO 335 Managerial Economics**

*Prerequisites: ECO 102 and 250*

*Offered: Typically as student interest and faculty availability allow*

A study of the application of economic decision-making processes as they relate to the management of business. This course will link together the topics of economic theory, decision sciences, and various fields of business administration. 1 Course

**ECO 341 Economic Development: Theory and Application**

*Prerequisites: One introductory course in ECO, HIS, PSC, or SOC; and ECO 101 or 102*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

A study of the human dimensions of societal development. The course includes theoretical approaches to economic development and social change, comparative consideration of the economic and social structural characteristics of less-developed countries, and an examination of the relationship between development policy and factors of social change. 1 Course

**ECO 347 International Economics**

*Prerequisite: ECO 101 or 102*

*Offered: Typically every third term (next offered Fall 2007)*

Theory and practice of international trade, foreign exchange, balance of payments, and international economic policy. 1 Course

**ECO 350 Econometrics**

*Prerequisites: ECO 250 and completion or waiver of MAT 135 (formerly 220)*

*Offered: Typically every Spring Term*

An introduction to the construction, evaluation, and use of statistical models of economic behavior. Models will be used to both predict and explain economic behavior. Time series models, single-equation models, and multi-equation models will be covered with an emphasis on estimation methods, tests of model assumptions and adequacy, and forecast performance. The course includes a number of modeling exercises using computer software. 1 Course

**ECO 366 Public Finance**

*Prerequisite: ECO 101 or 102*

*Offered: Typically alternate years (next offered 2008-2009)*

Social goals and fiscal institutions-federal, state, and local- including analysis of public expenditures, taxation, the national debt, and fiscal federalism. 1 Course

**ECO 370 Environmental Issues in Public Policy**

*Prerequisite: ECO 101 or 102; or permission of instructor*

*Offered: Typically every Spring Term*

An examination of critical environmental and natural-resource issues and the associated public-policy responses. The aim of the course is to analyze the role that public policy currently plays-and the role it should play-in helping manage and protect our local, national, and global environment. Social Science Perspective. 1 Course

**ECO 470 Seminar in Economics**

*Prerequisites: ECO 301 and 302, or permission of instructor; senior standing preferred*

*Offered: Typically annually (next offered Spring 2008)*

Advanced study in an area of micro- or macroeconomic theory and policy, based on selected texts and journals. 1 Course

**ECO 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ECO 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ECO 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**ECO 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ECO 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Business Studies**

**BUS 120 Accounting I**

*Prerequisites: Completion or waiver of MAT 012; first-year (preferred) or sophomore standing*

*Offered: Typically Fall and Spring terms*

Introduction to accounting processes, the accounting cycle, balance sheets, income statements, and related elements. Practical Reasoning (PR). 1 Course

**BUS 125 Computer Applications for Business**

*Prerequisites: Completion or waiver of MAT 010; first-year (preferred) or sophomore standing*

*Offered: Typically Fall and Spring terms*

This course is designed to introduce students to computer applications and their uses in the business setting. This will be accomplished through various computer software programs, including word processing, spreadsheet, database, and presentation software, as well as the campus network and Internet access. Students will learn to manage and analyze both business and economic data and begin to develop decision-making and communication skills applicable in a business setting. Students will develop their computer skills while working through problems that introduce them to some of the models central to the disciplines of business and economics. 1 Course

**BUS 130 Accounting II**

*Prerequisites: BUS 120; first-year (preferred) or sophomore standing*

*Offered: Typically Fall and Spring terms*

Introduction to analysis, including funds flow, cash flow, capital expenditures, budgeting, cost systems, volume relationships, price levels, consolidation, tax, financial statements analysis, and like topics. 1 Course

**BUS 240 Business Law**

*Prerequisites: GSTR 203 or GSTR 210; sophomore (preferred) or junior standing*

*Offered: Typically every Fall Term*

Introduces the legal relationships, analysis, and principles that are basic to business. Cases from law of contracts, agency, and negotiable instruments. 1 Course

**BUS 257 Consumer Behavior**

*Prerequisites: GSTR 203 or GSTR 210; sophomore (preferred) or junior standing*

*Offered: Typically every Spring Term*

A study of the major factors influencing consumer behavior and the managerial uses of models of consumer decision making. Examination of the social, psychological, and economic factors of buying behavior that are identified by alternative models of consumer decision making. Emphasis is on the use of consumer-behavior models in the development of marketing strategies. Social Science Perspective. 1 Course

**BUS 315 Management**

*Prerequisite: BUS 120 or ECO 102; or permission of instructor*

*Offered: Typically Fall and Spring terms*

An interdisciplinary consideration of the function of management in organizations with emphasis on business. Considers systems and theories, including environments, structure and processes, decision-making, planning and change, and like topics. 1 Course

**BUS 323 Income Tax**

*Prerequisite: BUS 130*

*Offered: Typically every Spring Term*

Study of Internal Revenue Code. Emphasizes problems of determining and reporting income and expenses of individuals and small businesses. 1 Course

**BUS 324 Managerial Cost Accounting**

*Prerequisite: BUS 130*

*Offered: Typically every Fall Term*

The utilization of accounting in management processes. Emphasis on cost-accounting systems, budgeting, responsibility accounting, differential accounting, and capital budgeting. 1 Course

**BUS 326 Intermediate Accounting I**

*Prerequisite: BUS 130*

*Offered: Typically every Fall Term*

An in-depth study of financial accounting topics and reporting practices. Broad topics of interest include financial accounting functions, basic theory, asset recognition, valuation, and measurement. Emphasis is placed on the development of problem-solving ability in a complex environment. 1 Course

**BUS 327 Intermediate Accounting II**

*Prerequisite: BUS 326*

*Offered: Typically every Spring Term*

An in-depth study of financial accounting topics and reporting practices. Broad topics of interest include liability recognition and measurement, stockholder's equity, dilutive securities and investments, issues related to income measurement, and preparation and analysis of financial statements. Continued emphasis on the development of problem-solving ability in a complex environment. 1 Course

### **BUS 345 Human Resources Management**

*Prerequisites: Junior (preferred) or senior standing*

*Offered: Typically every Fall Term*

Introduction to the human-resource function in organizations, with emphasis on business. Considers human-resource planning, employee rights and obligations, job analysis, recruitment, career dynamics, training, compensation, labor, government relations, and other topics. 1 Course

### **BUS 346 Investment Analysis**

*Prerequisites: BUS 130 and ECO 250; junior (preferred) or senior standing*

*Offered: Typically every Fall Term*

An investigation of investment strategies involving the integration of modern portfolio theory and capital market theory with traditional fundamental and technical analysis. Descriptive information about the investment environment is included, as well as recent theoretical developments made toward understanding how capital markets function, how prices of investment instruments are determined, and how a balance is struck between risk and return. 1 Course

### **BUS 363 Marketing**

*Prerequisites: GSTR 203 or GSTR 210 AND ECO 102, or permission of instructor; sophomore preferred) or junior standing*

*Offered: Typically Fall and Spring terms*

Introduction to business and cultural environment, ethics, research, segmentation, and other topics. Consideration of product, price, promotion, distribution, and other functions. 1 Course

### **BUS 364 Production and Operations Management**

*Prerequisites: MAT 110 or MAT 115 (or waiver); BUS 125; either ECO 250 or TEC 352; or permission of instructor*

*Offered: Typically every Spring Term*

Surveys management of the production function of organizations, with emphasis on business and service. Considers the production function, analytic methods, capacity, location, job design, and operations. 1 Course

### **BUS 366 Financial Management**

*Prerequisites: BUS 130 and ECO 250; junior (preferred) or senior standing*

*Offered: Typically Fall and Spring terms*

An investigation into the nature, scope, and method of managerial finance. Emphasis is placed on developing concepts and techniques necessary for making financing and investing decisions. Financial analysis, financial planning and control, working capital management, and capital budgeting are topics of interest. Issues relating to optimal capital structure, dividend policy, and the cost of capital are also included. 1 Course

### **BUS 367 Marketing Research**

*Prerequisites: BUS 363 and ECO 250 or MAT 104*

*Offered: Typically every Fall Term*

This course is designed to introduce the various research methods used to collect and evaluate information for marketing decision making. The course will look at both qualitative and quantitative methods of gathering data, analyzing it, and reporting findings. Individual and group projects will be used to allow students to experience the marketing-research process. 1 Course

**BUS 368 Intermediate Corporate Finance**

*Prerequisites: BUS 366; junior (preferred) or senior standing*

*Offered: Typically every Spring Term*

A case-based intermediate financial-management course emphasizing the application of theory and practice to financial decision making. Finance topics introduced in BUS 366 are covered in greater depth in this course. Emphasis is placed on the interrelatedness and multidisciplinary nature of various finance topics. The course includes such topics as capital budgeting, capital structure, working capital management, cost of capital, and mergers. 1 Course

**BUS 427 Accounting Theory**

*Prerequisite: BUS 130*

*Offered: Typically alternate years (not offered 2007-2008, as an exception)*

A consideration of theoretical methodologies and frameworks, valuation concepts, flow problems, income statement and balance sheet accounts, disclosure, and other topics. 1 Course

**BUS 437 Introduction to Auditing**

*Prerequisites: BUS 327*

*Offered: Typically every third term (next offered Spring 2008)*

Emphasis is placed on standards, objectives, procedures, and professional judgment. Further consideration is given to auditor's legal liability, professional ethics, and reliance on the auditor's professional opinion. 1 Course

**BUS 465 Strategic Marketing Management**

*Prerequisite: BUS 363*

*Offered: Typically every Spring Term*

Consideration of major areas of marketing and its functions in business and nonprofit organizations, and formulation, design, and execution of marketing plans. Case method. 1 Course

**BUS 475 Strategic Management**

*Prerequisite: Senior standing*

*Offered: Typically Fall and Spring terms*

An examination of the function of strategic management in organizations with emphasis on business. Using the case method, this course considers global perspectives, environments, strategies, competition, governance structure and controls, leadership and entrepreneurship, and like topics. 1 Course

**BUS 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**BUS 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**BUS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically Every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**BUS 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**BUS 398/49 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Education Studies

**EDS 150 Introduction to Education: Thinking about Learning, Teaching, and Schooling**

*Prerequisites: GSTR 100 or GSTR 110; criminal records clearance*

*Offered: Typically Fall and Spring terms*

This course is an introduction to the study of education for prospective teachers and others interested in education. The course will offer students the opportunity to explore the following essential questions: 1) What does it mean to learn? 2) What does it mean to teach well? 3) What are schools for? 4) What knowledge, dispositions, and skills are needed in order to teach well? 5) How does diversity affect teaching, learning, and schooling? The course will introduce some of the foundational ideas, issues, and beliefs-historical, political, economic, philosophical, sociological, psychological, cultural, and social-that impact the current educational climate. Students will be introduced to the Department's conceptual framework, portfolio requirements, and other academic, experiential, and professional expectations and requirements for those pursuing teacher certification. The course will include both field-based experiences and volunteer/service learning experiences with school-aged children and/or adolescents.  
1 Course

**EDS 210 Foundations of Interdisciplinary Early Childhood Education (CFS)**

*Prerequisites: CFS 130 or permission of instructor*

*Offered: Typically every Spring Term*

This course is designed to help students develop a philosophy of teaching and learning for children birth through kindergarten. Current thought and practice will be examined in light of the early childhood profession and its historical, philosophical, and social foundations. Public policy, legal implications, and a code of ethics will be studied. Theoretical perspectives including psychoanalytic theories, social-learning theories, behaviorism, cognitive and developmental theories, the humanistic models, and the normative-descriptive systems will be used to establish a framework for analysis and assessment. Historical and contemporary models of early-childhood education, such as Head Start, High Scope, Montessori, British Infant Schools, Reggio Emilia, enrichment programs, and comprehensive, compensatory, and intervention models will be examined in view of their effects on children, families, and communities. 10 field hours.  
1 Course

**EDS 227 Teaching as Research: Children and School Structure**

*Prerequisite: EDS 150 (formerly 250); Education Studies P-5 major or permission of instructor*

*Offered: Typically every Fall Term (first offered Fall 2007)*

This course focuses on human-development and learning theories from infancy through adolescence, with emphasis on the pre-kindergarten through intermediate years. Through reading, discussion, and related experiences, students will have the opportunity to develop understanding of significant research describing children's actions, emotions, needs, and learning; the influence of this research on classroom organization, curriculum construction, and lesson planning; and the necessity for drawing on this research in their own lifelong development as teachers. Course activities include individual and group research using both formal and informal methodologies; oral presentations and microteaching; and observing and working with children in and outside public schools. 1 Course

**EDS 228 Teaching as Research: Adolescents and School Structure**

*Prerequisite: EDS 150 (formerly 250) or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course focuses on human-development and learning theories from infancy through adolescence, with emphasis on the middle- and high-school aged child. Through reading, discussion, and related experiences, students will have the opportunity to develop understanding of significant research describing children's and adolescents' actions, emotions, needs, and learning; the influence of this research on classroom organization, curriculum construction, and lesson planning; and the necessity for drawing on this research in their own lifelong development as teachers. Course activities include individual and group research using both formal and informal methodologies; oral presentations and microteaching; and observing and working with children and adolescents in and outside of public schools. 1 Course

**CFS 252 Methods in Teaching Family and Consumer Science Education (CFS)**

*Prerequisite: Sophomore standing or above; open to CFS Education Studies majors or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

Methods specific to teaching Family and Consumer Sciences in middle and high schools and in adult education, including Special Topics such as developmentally-appropriate instruction, curriculum development, student organizations, and teaching reading in the content area. Assessment of the relationship between teaching methods and cognitive science. Course Fee: \$10. 1 Course

**EDS 311 Methods of Teaching Secondary School Social Studies**

*Prerequisite: Admission to the Teacher Education Program, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course introduces students to the structure of the social studies as a secondary school teaching field; provides an opportunity for students to explore various instructional approaches in the field; and enables students to examine the theoretical underpinnings of teaching practice in social-studies education. In cooperation with a local social-studies teacher, students develop and teach a social studies unit. Additional focus extends to evaluation techniques in social studies, planning for instruction over longer periods of time (term and course-long planning), the role of multicultural education, and appropriate technology for use in the social-studies classroom. 1 Course

### **EDS 335 Integrated Curriculum I: Arts, Humanities, and Science**

*Prerequisite: EDS 227 (formerly 327) or permission of instructor*

*Offered: Typically every Spring Term*

This course is designed to engage students in integrating the arts, the humanities, and the natural sciences, and to initiate aspiring teachers into the construction of integrated teaching materials and design of appropriate assessment and teaching strategies. Students will have opportunities to become familiar with different aspects of natural science; i.e., science as a process, science as a body of knowledge, science as a set of values, science as a social phenomenon. They will explore themselves as scientific thinkers as they learn science. Similarly, this course will provide students with opportunities to become familiar with processes and ideas relevant to the arts and humanities. Through construction and reflection, they will find the wellsprings of their own art and stories. Students will practice thinking in community as they investigate questions that drive individual inquiry in the sciences, arts, and humanities. Students will use the understandings they gain through these experiences to articulate some important relationships among the arts, the humanities, and the natural sciences; to explore and construct some integrated teaching materials; and to reflect on teaching practices that best facilitate integrated thinking and learning. Each student will propose and carry out an integrated project with children for a minimum of five hours of experience. 1 Course

### **EDS 340 Students with Special Needs**

*Prerequisite: EDS 227 or 228 (formerly 327 or 328)*

*Offered: Typically every Spring Term*

This course prepares students to make the instructional and organizational modifications necessary so that children with very different academic, physical, emotional, and social needs can learn in the regular classroom. The focus is on children with a variety of special needs, such as physical and learning exceptionalities (including the gifted); bilingualism; lack of readiness for learning; and violent behaviors. Students also will explore related issues, including the need to develop understanding and skills in counseling and conflict resolution, the nature of family involvement, and school policies and procedures. Field experiences in local schools and other community agencies are an integral part of the course. 1 Course

### **EDS 346 Literacy: Intermediate and Middle Grades**

*Prerequisite: EDS 227 or 228 (formerly 327 or 328); or permission of instructor*

*Offered: Typically every Fall Term*

Students will examine the intermediate and middle-grades reading/language arts curricula focusing on reading, writing, and content- area literacy. Students will extend their knowledge and appreciation of children's literature in varied genres and learn to integrate literature in inquiry-based, interdisciplinary units of study. Students will deepen their understanding of English spelling, phonics, grammar, vocabulary, and the reading and writing processes, and learn ways to help children acquire understandings and skills in these areas in meaningful contexts. Students will integrate these understandings with their own vision for the children they teach and with constructivist principles of human development to design rich language experiences for all children. In a weekly field experience, students will design and apply developmentally appropriate literacy experiences for individuals and small groups, taking cues from the children and building on their interests and experiences; creating assessments; and using the findings to plan subsequent learning experiences. The course includes a two-hour weekly field experience. **NOTE:** Noncredit for students who completed EDS 344. 1 Course

**EDS 347 Literacy: Primary, P-3**

*Prerequisite: EDS 346 or permission of instructor*

*Offered: Typically every Spring Term*

Students will examine the early primary reading language arts curriculum focusing on emergent literacy, oral language, reading, writing, and literature in preschool-grade 3. Students will explore the wealth of children's literature appropriate for primary children, both fiction and non-fiction, and examine its role in furthering children's growth as careful, competent, and confident thinkers, speakers, listeners, readers, and writers. Students will draw on and deepen their knowledge of the nature of English, and they will integrate their understandings with principles of human development to select and apply strategies for integrating literature in a balanced curriculum that incorporates phonics, spelling, and handwriting. In a weekly field experience with children in preschool through grade 3, students will learn to design and apply developmentally appropriate literacy experiences, create assessments for individuals and for small groups, and use the findings from those assessments to plan subsequent learning experiences for primary learners. The course includes a two-hour weekly field experience. **NOTE:** Noncredit for students who completed EDS 343. 1 Course

**EDS 349 Education and Culture**

*Prerequisite: EDS 227 or 228 (formerly 327 or 328), or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course serves an important purpose in broadening the context of traditional liberal arts approaches to the study of education by incorporating the field of Cultural Studies as a means to further problematize educational phenomena. A Cultural Studies approach signifies that educational phenomena are a manifestation of all educative aspects of a society and the world in which we live. As such, any attempt to make sense of education in a school context must draw on the multifaceted and discursive nature of how meaning is constructed, which will provide both prospective teachers and students pursuing other careers with the means for democratic reconstruction and transformation. Therefore, in using a Cultural Studies approach, this course will draw on several disciplines such as the arts, history, social sciences, humanities, media studies, science, business, etc., to problematize the nature of meaning-making with regard to culture and education. A conception of culture as texts and performances will emerge, and will thus have crucial implications in regard to the construction of meaning and social reconstruction. 1 Course

**EDS 355 Extended Experience in Alternative Settings**

*Prerequisites: Grade of B or higher in EDS 349 or the Education Studies Department's approval; intention to pursue teacher certification at Berea; and permission of instructor*

*Offered: Typically every Short Term*

In consultation with the instructor, students will design and carry out an experience that places them in settings and with people of cultural and/or ethnic backgrounds different from their own, and who are marginalized by merit of political, social, cultural, economic, physical, or other aspects of their situations. Students are encouraged strongly to undertake experiences in settings that will challenge them sufficiently to see life through the eyes of those with whom they will work. At the conclusion of the course, students will provide evidence of the impact of this experience, and will articulate its value in relation to their commitments, values, beliefs, and understandings about themselves as aspiring teachers. 1 Course

### **EDS 360 Curriculum and Materials in Early Childhood Education (CFS)**

*Prerequisite: CFS 130 and CFS/EDS 210 or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

This course is designed to study the foundations of curriculum, the sequence of learning activities, and the curricular materials used in learning environments for children from infancy through age five. Using research and other resources the student will explore the nature of and the appropriate use for indoor and outdoor equipment, and examine how individually and developmentally appropriate materials and equipment are used to facilitate and encourage the natural or normal sequence of development of the young child and meet the programmatic objectives. Attention will be focused on developing an appreciation for the value of play, learning strategies creating healthy and safe environments, evaluation and assessment, and adapting materials and curricula for multi-ability children in child-care programs, schools, and in the home. 10 field hours. Course Fee: \$10. 1 Course

### **EDS 380 Methods of Teaching in Early Childhood Education (CFS)**

*Prerequisite: CFS/EDS 210 and 360 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

Consideration of theories, philosophies, principles, curricula, and materials in the teaching-learning process involved with sociodramatic play, art, music, literature, literacy and language, sensory experiences, mathematics, health and nutrition, science, social studies, and activities for large and small muscle development. The student will plan, design, and implement developmentally appropriate activities for multi-ability children in child-care programs, schools, and in home environments, as well as assist in the overall operation of a program for young children and develop best-practices management knowledge and skills in preparation for teaching practicum. 24 field hours. Course Fee: \$10. 1 Course

### **EDS 382 Early Childhood Special Education (CFS)**

*Prerequisite: CFS 130 and CFS/EDS 210 or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

This course is designed for students preparing to teach children birth through age five, and comprises a comprehensive study of early-childhood special education focusing on historical developments; the impact of technology; local, state, and federal requirements; characteristics of children with disabilities; IEP and IFSP requirements and management; cultural diversity; screening, diagnosis, and assessment of young children who need special services; learning center and home-based service delivery; curriculum and instructional considerations; and, relating to, involving, and supporting families of children with disabilities. 24 field hours. Course Fee: \$15. 1 Course

### **EDS 435 Integrated Curriculum II: Arts, Humanities, and Science**

*Prerequisite: Admission to the Teacher Education Program*

*Offered: Typically every Spring Term (first offered Spring 2009)*

This course is designed to engage students in constructing age-appropriate curricula integrating the arts, humanities, and the natural sciences, and in the design and execution of assessment tools and teaching strategies appropriate to integrated learning. Students will plan and teach science in ways that account for wondering at the world, for seeking and honoring questions, and for the intensity of pursuing inquiry. They will plan and teach so their students will experience the arts and humanities as a host of languages that can be used and honed in the process of relating with the meaningful in their lives. Through these experiences, students will come to see the content of the arts, humanities, and sciences as perfect complements for making, finding, and sharing meaning, as well as narrative inquiry as a tool for making meaning in any content. Students will draw from the body of works and resources collected during EDS 335 as they engage children in group and individual inquiries. Experiences in this course are designed to help students further articulate the value of integrated learning for vitalizing Kentucky's *Core Content for Assessment and Learning Goals*, and to refine the alignment between their vision and their work. Taken concurrently with EDS 440, with a shared daily 4-hour practicum in the schools. 2 Courses

### **EDS 440 Integrated Curriculum III: Social Studies and Content Literacy**

*Prerequisite: Admission to the Teacher Education Program*

*Offered: Typically every Spring Term (first offered Spring 2009)*

In this course, students will explore the structure of the elementary social studies and investigate ways to integrate rich social-studies content with developmentally appropriate content-area literacy instruction. Through teacher modeling, direct instruction, and cooperative and individual learning activities, students will explore strategies to help P-5 children meaningfully engage key social-studies concepts and ideas while developing competence in reading expository materials. Students will learn to assist children in conducting individual and group research using a variety of resources, including textbooks, supplementary trade books, the Internet, and interviews. Embedded in these experiences will be focused instruction to help children grapple with unfamiliar vocabulary, question what they read, draw inferences, synthesize understandings from multiple sources, and share their findings with others. In the daily practicum, students will integrate their developing knowledge with their own vision for the children they teach and with constructivist principles of human development as they design, teach, and assess a variety of integrated learning experiences, including web quests and interdisciplinary units. Taken concurrently with EDS 435, with a shared daily 4-hour practicum in the schools. 2 Courses

### **EDS 471 Integrated Methods and Materials for Teaching in Middle Schools**

**NOTE:** The content and designation of this course are under revision. 3 Courses

### **EDS 472 Teaching Practicum in Middle Schools**

**NOTE:** The content and designation of this course are under revision. 1 Course

### **EDS 474 Advanced Topics in Middle School Curriculum**

*Prerequisite: EDS 472*

*Offered: Frequency yet to be determined (first offered Spring 2008)*

**NOTE:** The content and designation of this course are under revision. 1 Course

### **EDS 475 Teaching Practicum in Interdisciplinary Early Childhood Education (CFS)**

*Prerequisite: Completion of all required major and education courses for IECE program and admission to Student Teaching*

*Offered: Typically every Fall Term*

Students in the Interdisciplinary Early Childhood Education program will spend 12-14 weeks in various approved birth through kindergarten settings under the joint guidance of supervising teachers and the early-childhood-education faculty of the Child and Family Studies Department. Students will develop and implement learning environments and educational experiences for multi-ability and multi-age children and their families in home-based, center-based, and school programs. All students will attend weekly one-hour seminars. By the end of the teaching practicum, students will have completed all Education portfolio requirements. 1 Course

### **EDS 476 Teaching Practicum in Middle Schools II**

*Prerequisite: EDS 472*

*Offered: Frequency yet to be determined (first offered Spring 2008)*

**NOTE:** The content and designation of this course are under revision. 3 Courses

### **EDS 479 Learning and Assessment in Secondary Classrooms**

*Prerequisite: Admission to the Teacher Education Program*

*Offered: Typically every Spring Term*

This course introduces students to applications of important learning and assessment theory in shaping pedagogical practice. Particular attention will be given to Howard Gardner's theory of multiple intelligences and to the sociocultural theory of Lev Vygotsky. Students will explore the theoretical underpinnings of behaviorist and constructivist traditions in designing instruction; targeting objectives to appropriate levels of a taxonomy of instructional objectives; designing and managing classroom environments conducive to student learning; developing appropriate strategies for implementing instruction; and exploring evaluation theory and applications of both formal and informal assessments. Special attention is directed to preparing performance evidence of addressing *New Teacher Standards I-IV*. This course is taken as part of the pre-professional block in the Teacher Education Program, which includes a partial-day field assignment in local schools. 1 Course

### **EDS 480 Students with Special Needs**

*Prerequisite: Admission to the Teacher Education Program*

*Offered: Typically every Spring Term (also offered Fall 2007, as an exception, then Spring Terms only)*

This course prepares prospective teachers to make the instructional and organizational modifications necessary so that students with vastly different academic, physical, emotional, and social needs can learn in the regular secondary-school classroom. The focus is on youngsters with a variety of special needs, such as physical and learning exceptionalities (including the gifted); bilingualism; lack of readiness for learning; and violent behaviors. Working with the students in the classrooms where they are completing their teaching practicum, prospective teachers will address the special classroom- management requirements and the special instructional needs arising with special-needs youngsters. Students also will explore related issues, including the need to develop skills in counseling and conflict resolution and understanding the nature of family involvement and the particular policies and procedures schools follow. This course is taken as part of the pre-professional block in the Teacher Education Program, which includes a partial-day practicum in local schools. 1 Course

### **EDS 481 Secondary Student Teaching Seminar**

*Prerequisite: Admission to Student Teaching*

*Offered: Typically every Fall Term*

Emphasis in this course is on the development of appropriate instructional units for the assigned Student Teaching settings. Students work with classroom teachers and College faculty to plan and develop activities and materials focused on the specific subject matter in which the student is seeking certification. Other topics include classroom-management techniques, evaluation and assessment of student learning, and motivational techniques. Student teachers are to reflect the values and commitments undergirding Berea's Teacher Education Program in their work and relationships with children, peers, parents, mentors, and other colleagues, and they are expected to meet Berea's program goals prior to completion of the Professional Year. They will be required to submit a satisfactory exit portfolio addressing the *New Teacher Standards* established by the Kentucky Education Professional Standards Board. Taken concurrently with EDS 482. 1 Course

**EDS 482 Secondary Student Teaching (P-12, 5-12, and 8-12)**

*Prerequisite: Admission to Student Teaching*

*Offered: Typically every Fall Term*

This course involves observation, participation, teaching, and a wide variety of school-related activities under the guidance of supervising teachers and staff members of the Education Studies Department. Student teachers will spend at least twelve (12) weeks, five (5) full days per week, in their assigned placement(s). Students will be expected to complete satisfactory entries for the Eligibility (exit) Portfolio required for initial teacher certification. Taken concurrently with EDS 481. NOTE: Students who entered Berea in or before 2004-2005 should refer to their *Catalog*. This course will remain as "Teaching Practicum in Secondary Schools (P-12, 5-12, and 8-12)," a 2-credit course, with no change to the description for those cohorts. 3 Courses

**EDS 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**EDS 487 Elementary Student Teaching**

*Prerequisite: Admission to Student Teaching*

*Offered: Typically every Fall Term (first offered Fall 2009)*

The Elementary School Student Teaching practicum is a required component of the Professional Year experience for P-5 certification. Student teachers will spend at least twelve (12) weeks, five (5) full days per week, in their assigned placement(s). They will be involved in observing, developing curriculum, and teaching, as well as taking part in a wide variety of school-related activities under the joint guidance of cooperating teachers and faculty in the Education Studies Department. Student teachers are to reflect the values and commitments undergirding Berea's Teacher Education Program in their work and relationships with children, peers, parents, mentors, and other colleagues, and they are expected to meet Berea's program goals prior to completion of the Professional Year. They will be required to submit a satisfactory exit portfolio addressing the *New Teacher Standards* established by the Kentucky Education Professional Standards Board. Taken concurrently with EDS 488. 3 Courses

**EDS 488 Elementary Student Teaching Seminar**

*Prerequisite: Admission to Student Teaching*

*Offered: Typically every Fall Term (first offered Fall 2009)*

The elementary Student Teaching seminar is a required component of the Professional Year experience. The seminar will support, enhance, and enrich student teachers' professional growth and development by providing multiple opportunities to explore, discuss, and reflect upon their teaching experiences within a community of inquiry. The seminar will help student teachers to articulate and demonstrate the knowledge, teaching skills, and dispositions necessary to meet Berea's program goals and Kentucky's *New Teacher Standards*. A special emphasis of the seminar will be to support student teachers' development of the required Eligibility (exit) Portfolio. The seminar will meet three hours each week. Taken concurrently with EDS 487. 1 Course

**EDS 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**EDS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**EDS 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

**EDS 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

## English

**ENG 103 ESL and American Culture**

*Prerequisite: Permission of instructor*

*Offered: Typically every Fall Term*

Extensive practice in the four communication skills: reading, writing, listening, and speaking (including pronunciation), with a focus on American culture. Grammatical structures will be reviewed as needed. Introduction to idiomatic expressions and extensive vocabulary. Meets four days a week with an additional tutorial or language lab session. 1 Course

**ENG 104 Advanced ESL**

*Prerequisite: ENG 103 or permission of instructor*

*Offered: Typically every Spring Term*

Reading and discussions in American literature and history, with continued attention to grammar, vocabulary, and academic writing. Meets four days a week with an additional tutorial or language lab session. 1 Course

**ENG 110 Introduction to English Studies**

*Offered: Typically Fall and Spring terms (first offered Fall 2007)*

An introduction to English as a scholarly discipline. Develops students' skills in critical-reading strategies, analytical and creative writing, disciplinary research methods, and the examination and use of various types of sources. This course also introduces the Portfolio required of all English majors and should be taken by the end of the sophomore year, but the first year is preferred. 1 Course

**ENG 122 Form and Meaning in Literature**

*Offered: Typically Fall and Spring terms*

Readings in various genres and periods of literature, focusing on the central techniques and development of Western literature. Introduction to basic terminology of literary study and criticism. Emphasis on critical reading and writing and library research. **Arts Perspective.** 1 Course

**ENG 124 Introduction to Creative Writing**

*Offered: Typically annually (first offered Spring 2008)*

An introduction to the forms of creative writing (fiction, nonfiction, poetry, and drama), combining the careful reading of established works and original student writing. Conducted as a workshop, with frequent writing exercises and student and instructor criticism of works. **Arts Perspective.** 1 Course

**ENG 130 American Texts**

*Offered: Typically annually (next offered Fall 2007)*

The American tradition in literature prior to 1950, stressing major writers and genres. Emphasis on critical reading and writing and library research. Open to all students and strongly recommended as an introductory course for the English major. 1 Course

**ENG 135 African-American Women Writers (AFR/WST)**

*Offered: Typically alternate years (next offered Spring 2008)*

How have African-American women writers coped with invisibility? How have they emerged from silence and created visions of identity and culture? This course will examine the writings of African-American women as a separate and distinct cultural group and the ways in which their writing is an expression of the culture and a historical record of its development. **African Americans', Appalachians', and Women's Perspective.** 1 Course

**ENG 138 Shakespeare: An Introduction**

*Offered: Typically alternate years (next offered 2008-2009)*

Reading and discussion of Shakespeare's plays, selected from the various genres--e.g., comedy, tragedy, history, romance--and including early, mid-career, and late works. Arts Perspective. 1 Course

**ENG 140 Appalachian Literature (APS)**

*Offered: Typically alternate years (next offered Fall 2007)*

Study of poetry, fiction, and oral literature of the region. **African Americans', Appalachians', and Women's Perspective.** 1 Course

**ENG 141 African-American Literature (AFR)**

*Offered: Typically alternate years (next offered 2008-2009)*

Representative selections from fiction, poetry, and nonfiction prose of African-American authors from slavery to the present. Focus on historical and social conditions reflected in the works and relationships between African-American literature and other American literary movements. **African Americans', Appalachians', and Women's Perspective and Arts Perspective.** 1 Course

**ENG 201 Exposition**

*Offered: Typically annually (next offered Fall 2007)*

An advanced college writing course that includes persuasive, analytical, and argumentative writing styles. Reading of a variety of essays. Practice in recognizing and making appropriate stylistic choices. Emphasis on developing advanced writing skills and adroit use of sources and evidence. 1 Course

**ENG 202 Introduction to Journalism**

*Offered: Typically annually (next offered Spring 2008)*

Study of news and news-gathering techniques, the significance of mass media in our culture and the process of organizing and reporting news. Practice in analyzing and writing journalistic forms. 1 Course

**ENG 212 Literature of Caribbean Women (AFR/WST)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2008)*

This course is an exploration of voices of women in the Caribbean. Students will read works by writers from the Anglo-Caribbean, French Caribbean, and Hispanic Caribbean. These writers represent the Islands of Jamaica, Cuba, Guadelupe, Haiti, the Dominican Republic, and Barbados. Their works investigate issues of racial configuration, relationships between women, politics, colonialism, and post-colonialism, and the creation of the island space. We will look at the long, turbulent history of the island of Hispaniola from the perspective of both the Haitian and Dominican the complex history of each of these island nations, and other important topics. African Americans', Appalachians', and Women's Perspective and World Culture (Non-Western) component of the International Perspective. **NOTE:** Noncredit for students who took this course as GSTR 209. 1 Course

**ENG 223 Grammar for Teachers**

*Prerequisite: Sophomore standing or permission of instructor*

*Offered: Typically alternate Short Terms (next offered Short Term 2008)*

This course is a study of modern English grammar and usage appropriate to teaching English and language arts. The emphasis will be on traditional and structural grammar, with an introduction to transformational grammar. Additional focus will be on levels of usage, standard and nonstandard English, and dialects. 1 Course

**ENG 236 Film**

*Offered: Typically alternate years (next offered Fall 2007)*

Consideration of the art of cinema, possibly including history of film, its relationship with other art forms, its place in popular culture and/or its sociological import and cultural impact. Students will view films and videotapes as texts. Emphasis on critical reading and writing and library research. **Arts Perspective.** **NOTE:** Noncredit for students who completed ENG 136. 1 Course

**ENG 237 Women and Literature (WST)**

*Prerequisite: Sophomore standing*

*Offered: Typically alternate years (next offered Fall 2007)*

Selected literature by women, focusing on works written in English. Emphasis on historical background and ethnic and cultural influences. African Americans', Appalachians', and Women's Perspective. 1 Course

**ENG 242 Introduction to Non-Western Literature**

*Prerequisite: Sophomore standing*

*Offered: Typically alternate years (next offered in Fall 2008)*

Selected works of fiction by significant 20th-century authors of Asia, Latin America, and/or Africa. Emphasis on literary elements and relationships between these works, with attention to cultural influences. Satisfies one of the six English major literary-period requirements. World Culture (Non-Western) component of the International Perspective. 1 Course

### **ENG 275 Writing for Science and Technology**

*Prerequisite: GSTR 100 or 110; and permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

An introductory course on writing and reporting for the sciences, social Sciences, technology, agriculture, nursing, and other fields. Practice with pre-writing, outlining, organizing, writing, editing, and revising technical texts. Emphasis on developing accurate language and style and learning formats for formal laboratory and research reports; laboratory journals; memos; letters; summaries; worksheets; oral presentations and demonstrations; visual aids' and other specialized communication in the physical and life sciences, nursing, and technology. Designed for first-year and sophomore students who are considering majors in disciplines requiring technical and scientific communication. 1 Course

### **ENG 303 Creative Writing**

*Offered: Typically Fall and Spring terms (303P next offered Fall 2007; 303N next offered Spring 2008; 303F next offered Fall 2008)*

An imaginative writing course focusing on either poetry, fiction, or creative nonfiction; analysis of literary models; and frequent writing exercises. Conducted as a workshop, with student and instructor criticism of works. Poetry (P), fiction (F), and creative nonfiction (N) writing are offered in rotation. Students may take one or more sections, but an individual focus (P, F, or N) taken as ENG 203 or ENG 303 cannot be repeated for credit. 1 Course

### **ENG 306 Playwriting**

*Prerequisites: GSTR 100 or 110; GSTR 203 or 210; submission of a dramatic writing sample; and interview with the instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

This course is designed to introduce students to the craft of playwriting. It will lead students through a series of writing exercises and enable them to work on an extended piece of dramatic writing (either a complete one-act play or an act of a longer, full-length work.) The course will be limited to ten students. Part one of each class will be devoted to writing exercises, discussion, and analysis; part two will be devoted to sharing new writing in a workshop setting. Arts Perspective. NOTE: Noncredit for students who completed ENG 206. 1 Course

### **ENG 312 The Teaching of English**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

A study of secondary-school English teaching methods and theory. Critical examination of the agenda, scope, and history of the secondary English curriculum, with an emphasis on its nature, purpose, and complexity in a democratic society. Planning and implementing instruction, including use of media/technology, evaluation techniques, and individual and team teaching in local schools. 1 Course

### **ENG 343 The Early Novel**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

Development of the novel from the 18th century through the early 19th century. Study of novel form, technique, and ideas; and the social and historical backgrounds behind the rise of the novel. Focus on novels in their cultural contexts. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 344 The Modern Novel**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

Selected novels from the mid-19th century through the early 20th century. Emphasis on social, historical, ideological, and aesthetic connections between the novel form and 20th-century Western culture. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 345 History of the English Language**

*Prerequisite: GSTR 100 or 110 AND GSTR 203 or 210*

*Offered: Typically alternate years (next offered Spring 2008)*

A study of the history of spoken and written English from the language's Germanic roots, through its origins in England, its spread throughout the British Empire, and, finally, to its present day status as a de facto "World Language." The course will examine the development of English in terms of both the language itself (sounds, vocabulary, and dialects) and the social and political forces that have influenced it. The course is divided into five units designed to illustrate how English, like any living language, has evolved: 1) Germanic roots; 2) Old English; 3) Middle English; 4) Modern English; and 5) the politics of world English. NOTE: Noncredit by students who completed ENG 245. 1 Course

**ENG 350 Classical and Biblical Texts**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

Important texts of Greek and Roman literature, with emphasis on the epic and other major literary forms, and portions of the Bible crucial in terms of literary influence. Discussion of the cultural and historical context of ancient literature. Satisfies one of the six English major literary-period requirements. Western History Perspective. 1 Course

**ENG 351 Medieval Texts**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

Important texts of the Middle Ages, emphasizing Anglo-Saxon and Middle English writers. Discussion of cultural and historical contexts of medieval literature. Satisfies one of the six English major literary-period requirements. Arts Perspective and Western History Perspective. 1 Course

**ENG 352 Renaissance Texts**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

Important writers and/or genres of the European Renaissance, focused primarily on British texts. Discussion of cultural and historical contexts of the Renaissance. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 353 Eighteenth-Century Texts**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

Important writers and/or genres of both American and European literary traditions, beginning with the Restoration. Discussion of changes in social and political attitudes and beliefs, and the new culture of the Enlightenment in Europe and America. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 354 Nineteenth-Century Texts**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

Important writers and/or genres of the 19th century, including British, American, and continental texts but focusing on romantics, Victorians, and realists. Discussion of social and ideological contexts of modern Western literature. Satisfies one of the six English major literary-period requirements. Western History Perspective. 1 Course

**ENG 355 Twentieth-Century Texts**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

Important writers and/or genres of the 20th century, focused primarily on literature from Britain and the Americas, with some international texts. Discussion of cultural and literary contexts of the works. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 356 Modern Poetry**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

Major poets from Whitman and Dickinson through the Confessionals. Discussion of the departure from traditional meter and stanza to free verse and liberated imagery, in the context of changing social and psychological views. Readings from both Western and Non-Western texts. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 360 Chaucer**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

Readings from the bulk of Chaucer's work, including *The Canterbury Tales*, *Troilus and Criseyde*, and selected minor poems. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 363 Milton**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

A study of Milton's major poetry with emphasis on *Paradise Lost*. A close reading of the poetry with reference to the epic tradition in Western literature and Milton's poetic technique. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 364 Shakespeare and His Contemporaries**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

Reading and discussion of plays drawn from the works of Shakespeare and his contemporaries, such as Marlowe, Jonson, Marston, Chapman, Webster, Dekker, Beaumont, and Fletcher. Satisfies one of the six English major literary-period requirements. 1 Course

**ENG 381 Greek Classics in Translation**

*Prerequisite: Sophomore standing and ENG 122, 130, or another literature course; or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

One of the Homeric epics; selected tragedies of Aeschylus, Sophocles, and Euripides; selected comedies of Aristophanes; and selections from minor poets and the philosophers. Consideration of Greek material in contemporary authors. Satisfies one of the six English major literary-period requirements. Arts Perspective. 1 Course

**ENG 387 The Study of Language**

*Prerequisite: Sophomore standing*

*Offered: Typically alternate years (next offered 2008-2009)*

Theories on the origins and nature of language; language families; development of the English language; phonology and morphology; English, Theatre, and Speech Communication methods of grammatical analysis; social and regional usage; and recent theoretical developments in language study. NOTE: Noncredit by students who completed ENG 287. 1 Course

**ENG 485 Seminar in Literature**

*Prerequisites: Senior standing & permission of Department Chairperson*

*Offered: Typically Fall and Spring terms*

Intensive study of a basic literary topic, to develop skills in understanding, analyzing, discussing, and writing on concentrated ideas. Content will vary according to interests and needs of English majors. 1 Course

**186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**ENG 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ENG 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**ENG 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**ENG 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Theater

**THR 105 Script Analysis**

*Offered: Typically Fall and Spring terms*

An introduction to the kinds of drama written for theatre, with attention to foundational aspects of play analysis and dramatic criticism in Western drama. In addition to other plays and critical writings, the course will include analysis of the following plays and critical writings: *Oedipus Rex*, *Hamlet*, *Tartuffe*, *A Doll's House*, Aristotle's *Poetics*, and Stephen S. Stanton's essay "The Well-Made Play and the Modern Theatre." The course also will include analysis of at least two full-length plays representing the work of women and African-American dramatists. 1 Course

**THR 110 Apparel and Costume Design and Construction (CFS)**

*Offered: Typically alternate years (next offered Spring 2010)*

This course offers an introduction to the design and construction of basic garments and costumes. An exploration of the history of fashion and costume history, including the social, economic, cultural, and psychological factors influencing the selection and use of apparel and costumes. The course includes instruction in fibers and textiles; pattern drafting, design, fitting, and construction techniques; alterations of commercial patterns; and care, repair, storage, and recycling of clothing and costumes. Will also examine consumer buying and technological innovations used in the fashion industry. Course Fee: \$15. 1 Course

**THR 115 Principles of Acting**

*Offered: Typically annually (next offered Fall 2008)*

Introduction to concentration, relaxation, observation, and imagination as the actor's basic tools.

Students will explore acting as a process beginning with work on the self and extending that work to character development and acting in improvisations or scenes. 1 Course

**THR 218 Drama and Theatre for Teachers**

*Offered: Typically alternate years (next offered 2008-2009)*

The theory and practice of drama and theatre in secondary education. In addition to traditional curricular and co-curricular uses of drama and theatre in secondary education, particular attention will be directed to the theory and practice of using the means, forms, and methods of drama and theatre for non-dramatic or non-theatrical ends. Examination of proven British and European practices will be included. NOTE: Noncredit for students who completed THR 118.

**THR 227 Voice and Diction**

*Offered: Typically alternate years (next offered Spring 2008)*

Introduction to the theory and practice of voice production. Individual exercises in breath control, relaxation, phonation, resonance, and voice quality. Concentration on phonetics and phonetic spelling. Exercises in using voice projection and optional diction exercises for auditioning. Extensive drill-practice in the study of American-English sound. NOTE: Noncredit for students who completed THR 127. 1 Course

**THR 311 Theatre and Drama in the Age of Mass Media**

*Prerequisite: THR 105 or 119 (the latter no longer offered)*

*Offered: Typically alternate years (next offered Fall 2007 and Spring 2010)*

Study of forms and contexts for theatre and drama since the development of mass media. Study of drama and theatre works in relation to film, radio, and television, and theatre responses to a reduced audience. Focus on writing, including one research-based essay and an annotated bibliography. 1 Course

**THR 117 Principles of Technical Production**

*Offered: Typically every Fall Term*

Study of materials, techniques, and tools used in technical theatre production. Students will work with equipment used to create costumes, make-up, lighting, properties, scenery, and sound for theatre productions, and will study the processes and problems of stage management. Arts Perspective. 1 Course

**THR 210 Theatre and Drama in Western Cultures**

*Prerequisite: THR 105 or 119 (the latter no longer offered)*

*Offered: Typically alternate years (next offered Spring 2008)*

Study of theatre and drama in key periods from the history of Western cultures. Selected periods from classical Greek and Roman to modern, studied to reveal cultural paradigms and the theatres of the periods. Focus on writing, including one research-based essay and an annotated bibliography. NOTE: Noncredit for students who completed THR 310. 1 Course

**THR 312 Theatre and Drama in a Non-Western Culture**

*Prerequisite: THR 105 or 119 (the latter no longer offered)*

*Offered: Typically alternate years (next offered 2008-2009)*

Study of theatre and drama in a specific Non-Western culture, including those of Asia, Africa, or Native America. The specific topic will be announced before registration. The course offers a survey of significant forms, plays, and playwrights to provide understanding of how theatre and drama are modified by culture to serve purposes different from those of the West. Focuses on writing, including a research-based essay and an annotated bibliography. World Culture (Non-Western) component of the International Perspective. 1 Course

**THR 315 Principles of Design**

*Prerequisites: THR 117 AND THR 105 or 119 (the latter no longer offered)*

*Offered: Typically alternate years (next offered 2008-2009)*

Study of principles and requirements of effective theatre production design. Work with the design process (research, vision, revision) and techniques-including sketches, renderings, and scale plans- for costuming, lighting, and scenery. Creation of a complete design for costumes, lighting, or scenery for a specific play. 1 Course

**THR 317 Principles of Directing**

*Prerequisites: THR 115; AND THR 105 or 119 (the latter no longer offered at Berea); AND THR 210 or 310 or 311 or 312*

*Offered: Typically every Fall Term*

Study of directing processes, including history and contemporary directing theories. Students will read about directors and directing theory, critique productions, and do exercises in blocking, improvisation, and scene work. 1 Course

**THR 318 Principles of Theatre Management**

*Prerequisites: Junior standing; THR 105 or 119 (the latter no longer offered at Berea); and ENG 122*

*Offered: Typically alternate years (next offered Spring 2008)*

A study of the history and practice of theatre management for both the nonprofit and commercial theatres in the United States. Students will create oral and written presentations in the areas of development, marketing, strategic planning, organizational structure, and general management. 1 Course

**THR 325 Advanced Acting**

*Prerequisites: THR 115 and audition*

*Offered: Typically alternate years (next offered 2008-2009)*

An advanced acting class with the following possible topics: movement, stage combat, dialects, period styles, and advanced scene study. Geared toward students interested in pursuing graduate study and/or a professional career in the performing arts, with an emphasis in acting. May be repeated one time for credit. 1 Course

**THR 330 Acting Practicum**

*Prerequisites: THR 115 and permission of the Director of Theatre Laboratory*

*Offered: Typically as student interest and faculty availability allow*

Intensive study of acting through work on a role in a major production. The study is designed to help students develop skills necessary for character development for a specific play and role and for a genre or period. Assignments may include character/text analysis, historical research, movement/style work, stage combat work, dialect work, or in-depth character action/relationship study. 1 Course

**THR 335 Design Practicum**

*Prerequisites: THR 315 and permission of the Director of Theatre Laboratory*

*Offered: Typically as student interest and faculty availability allow*

Intensive study of design through work on one entire component of theatre design: costume, lighting, scenery, and/or sound. Assignments may include text analysis, historical research, appropriate sketching, modeling and/or drafting, and selection of materials for construction. 1 Course

**THR 340 Technical Practicum**

*Prerequisites: THR 117 and permission of the Director of Theatre Laboratory*

*Offered: Typically as student interest and faculty availability allow*

Intensive study of technical theatre production through work on one entire component of a production: costume, lighting, make-up, properties, scenery, sound, or stage management. Course responsibilities include interpretation of design plans and selection, training, and direction of a crew. 1 Course

**THR 345 Directing Practicum**

*Prerequisites: THR 317 and permission of the Director of Theatre Laboratory*

*Offered: Typically as student interest and faculty availability allow*

Advanced practice in directing through either assistant directing with a faculty director or by directing a major production. Assignments will include script analysis, concept development, design collaboration, casting, and rehearsal direction. 1 Course

**THR 350 Dramaturgical Practicum**

*Prerequisites: THR 105 or 119 (the latter no longer offered); two courses chosen from THR 210,310, 311, or 312; and permission of the Director of the Theatre Laboratory*

*Offered: Typically as student interest and faculty availability allow*

Practical application of drama and theatre theory to development and realization of a play production over two consecutive terms. Assignments may include historical research; assistance in directing; development of materials for teaching; and program notes, public relations, and displays to augment audience understanding and participation in productions. 1 Course

**THR 481 Senior Theatre Project**

*Prerequisite: Senior standing*

*Offered: Typically every Fall Term*

Development and presentation of a special theatre project centered on the student's particular interests in theatre and demonstrating the student's integration of the entire theatre curriculum. Weekly seminar meetings with the faculty will be scheduled. To be taken during the first term of the senior year. 1 Course

**THR 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**THR 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**THR 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 48 of this Catalog. 1 to 3 Courses*

**THR 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**THR 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

# Communication

## **COM 100 Introduction to Communication**

*Offered: Typically Fall and Spring terms*

A skill approach to the study of communication. Students will deliver speeches and participate in interpersonal communication exercises and activities to increase competence in assertiveness, expressiveness, and skills that enhance communication. Students will learn effective listening. 1 Course

## **COM 101 Interpersonal Communication**

*Offered: Typically alternate years (next offered Fall 2007)*

The study of human communication as a foundation of personal identity and growth, as well as a means of interacting with others. Students will examine theories of the interpersonal communication process; consider how gender, culture, and social context affect 1 to 3 Courses communication; and assess the effectiveness of their own interpersonal communication. 1 Course

## **COM 102 Intercultural Communication**

*Offered: Typically alternate years (next offered 2008-2009)*

An examination of the relation of culture and communication. Students will study the fundamental themes and theories of communication among members of diverse cultures. Students will engage in learning experiences intended to develop their skills in constructive intercultural communication. 1 Course

## **COM 103 Forensics Practicum**

*Prerequisite: Permission of the Director of Forensics*

*Offered: Typically Fall and Spring terms*

Intensive study of public speaking through experience in co-curricular speech and debate activities. Students will participate in competitive intercollegiate speech and debate, as well as on-campus speaking activities, and will receive individual and group training in oral communication. May be repeated for credit up to one (1) full course credit. 1/4 Course

## **COM 200 Oral Interpretation**

*Offered: Typically alternate years (next offered 2008-2009)*

The discovery of how oral delivery (prose, poetry, or drama) can clarify ideas of literary works and strengthen their emotional impact. Using techniques developed by the storyteller, the public speaker, and the actor, students examine a wide variety of written materials and practice oral presentation of materials before an audience. Arts Perspective. 1 Course

## **COM 201 Argumentation and Debate**

*Offered: Typically alternate years (next offered Spring 2008)*

An examination of the theory and process of argumentation and debate. Students investigate and participate in reasoned advocacy with emphasis on evidence selection, analysis, and critical decision making, inference, and refutation. Practical Reasoning (PR). 1 Course

## **COM 202 Mass Communication**

*Offered: Typically annually (next offered Fall 2007)*

The study of the relationship between mass communication and mass culture. Students examine the dynamic nature of print and electronic media, with specific attention on how television affects cultural norms and choices. 1 Course

**COM 203 Persuasion**

*Offered: Typically alternate years (next offered in 2008-2009)*

The study of the art of developing means of persuasion. Students will investigate scholarship from both humanistic and behavioral perspectives to learn about processes of social influence. Designed to help students become astute consumers of persuasion and to improve their persuasive writing and speaking skills. Practical Reasoning (PR). 1 Course

**COM 300 Theories of Human Communication**

*Prerequisite: COM 100*

*Offered: Typically annually (next offered Spring 2008)*

Survey of theories of human communication. Students investigate communication models and theories pertaining to interpersonal, intercultural, nonverbal, group, organizational, and mass communication. Social Science Perspective. 1 Course

**COM 301 Small-Group Communication**

*Prerequisite: COM 100*

*Offered: Typically alternate years (next offered Spring 2008)*

Study of interactions that make the small group unique as a communication setting. By participating in small groups (i.e., the panel, symposium, dialogue), students will examine communication behavior that influences group efficiency, creativity, and leadership. 1 Course

**COM 302 Organizational Communication**

*Prerequisite: COM 100*

*Offered: Typically alternate years (next offered 2008-2009)*

The study of communication in organizational life. Students will explore research and study theories that focus on the function of communication in nonprofit, civic, service-related, and corporate cultures. 1 Course

**COM 400 Rhetorical Criticism**

*Prerequisite: COM 100*

*Offered: Typically annually (next offered Fall 2007)*

How to describe, interpret, and evaluate persuasive messages. Critical methodologies examined and applied to speeches, propaganda, and other forms of advocacy. Students will conduct and report on research in written assignments. 1 Course

**COM 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**COM 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**COM 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog.*

**COM 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**COM 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Latin

**LAT 101 Introduction to Latin I**

*Offered: Typically every Fall Term*

The fundamentals of Latin, with readings of simple prose. Introduction to Roman culture. 1 Course

**LAT 102 Introduction to Latin II**

*Prerequisite: LAT 101 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

Continued study in the fundamentals with readings and explorations in Roman culture. 1 Course

**LAT 103 Literature and Civilization**

*Prerequisite: LAT 102 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Fall Term*

Advanced study in language and Roman culture as seen through selected writings of the Golden Age. 1 Course

**LAT 117 Classical Etymology**

*Offered: Typically every Spring Term*

A study of the Latin and Greek elements in the English language and the origins and histories of English words, for the purpose of building a larger English vocabulary of common and technical terms in the humanities and the social and natural sciences, and enhancing one's ability to read literature with understanding and pleasure. No knowledge of Greek or Latin is necessary. World Culture (Non-western) component of the International Perspective. 1 Course

**LAT 210 Classical Roman Civilization (HIS)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

History of Rome from its foundations to 476 A.D., with emphasis on political, social, economic, and religious forces. Arts Perspective and Western History Perspective. 1 Course

**LAT 215 Classical Mythology (GST)**

*Offered: Typically every Fall Term*

A study of the myths and legends of the gods and heroes of the Greeks and Romans, through a reading of ancient texts in translation. An exploration of the influence of classical mythology on Western literature, drama, art, music, and film. No knowledge of Greek or Latin is necessary. Arts Perspective and Religion Perspective. 1 Course

**LAT 223 Virgil**

*Prerequisite: LAT 103 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A study of Virgil's art, with selections from his writings. Arts Perspective. 1 Course

**LAT 321 Latin Historians**

*Prerequisite: LAT 103 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Selections from the writings of Caesar, Livy, and Tacitus; the art of historical writing in antiquity. Arts Perspective. 1 Course

**LAT 322 Cicero**

*Prerequisite: LAT 103 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Selected orations, letters, and essays. 1 Course

**LAT 324 Classical Poetry**

*Prerequisite: LAT 103 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Selections of verse from the lyric and elegiac poets. Arts Perspective. 1 Course

**LAT 325 Medieval Latin**

*Prerequisite: LAT 103 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Selections of prose and poetry from the fourth century A.D. to the close of the Middle Ages. 1 Course

**LAT 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**LAT 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**LAT 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**LAT 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**LAT 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

# Greek

## **GRK 201 Introduction to Greek I**

*Offered: Typically as student interest and faculty availability allow (not currently offered)*

The fundamentals of Attic and Koine (Biblical) Greek, with readings of simple prose. Not open to first-year students. 1 Course

## **GRK 202 Introduction to Greek II**

*Prerequisite: GRK 201 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (not currently offered)*

Advanced study in the fundamentals with selected readings. 1 Course

## **GRK 203 Greek Literature**

*Prerequisite: GRK 202 with a grade of C or higher, or permission*

*Offered: Typically as student interest and faculty availability allow (not currently offered)*

Selections from classical literature and from the New Testament. 1 Course

## **GRK 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

## **GRK 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

## **GRK 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

## **GRK 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

## **GRK 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

# French

## **FRN 101 Intro to French Language and Culture I**

*Offered: Typically every Fall Term*

Basic French emphasizing all four language skills (listening, speaking, reading, and writing) fully integrated with culture. 1 Course

**FRN 102 Intro to French Language and Culture II**

*Prerequisite: FRN 101 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

Continuation of basic French as begun in FRN 101. 1 Course

**FRN 103 Intermediate French III**

*Prerequisite: FRN 102 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Fall Term*

Continued development of French language skills fully integrated with culture. 1 Course

**FRN 140 French Civilization Past and Present**

*Offered: Typically alternate years, usually in the Fall (next offered Fall 2009)*

History of France from Gaul to the present day; introduction to contemporary French institutions (e.g., schools, cuisine); and everyday life. Western History Perspective. NOTE: Taught in English. 1 Course

**FRN 300 Intermediate French IV**

*Prerequisite: FRN 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically alternate years, usually in the Spring (next offered Spring 2010)*

Completion of the four-term foundation in French language and culture; increased attention to self-expression and francophone cultures. 1 Course

**FRN 310 Grammar and Composition**

*Prerequisite: FRN 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically alternate years, usually in the Fall (next offered Fall 2008)*

Advanced grammar exercises, translation reading, and composition. 1 Course

**FRN 315 Advanced French Language Seminar**

*Prerequisite: FRN 310 with a grade of C or higher, or permission of instructor*

*Offered: Typically alternate years, usually in the Spring (next offered term yet to be determined)*

Introduction to versification, explication de texte, basic comparative stylistics, and other techniques used in the advanced study of French. 1 Course

**FRN 320 Panorama of French Literature I**

*Prerequisite: FRN 310 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Spring 2009)*

A survey of French literature from the Middle Ages to 1715. Arts Perspective. 1 Course

**FRN 321 Panorama of French Literature II**

*Prerequisite: FRN 320 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A survey of French literature from 1715 to the 20th century. Arts Perspective. 1 Course

**FRN 325 Seventeenth-Century French Literature**

*Prerequisite: FRN 320 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Classicism; selected works including those of Corneille, Racine, and Moliere. Arts Perspective. 1 Course

**FRN 330 Nineteenth-Century French Literature**

*Prerequisite: FRN 321 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Selected prose and poetry. Arts Perspective. 1 Course

**FRN 340 Twentieth-Century French Literature**

*Prerequisite: FRN 321 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Selected prose and poetry. Arts Perspective. 1 Course

**FRN 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 51 of this Catalog. 1/2 or I Course*

**FRN 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 51-52 of this Catalog. 1 Course*

**FRN 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior standing*

*Offered: Typically every term*

*See p. 52 of this Catalog. 1 to 3 Courses*

**FRN 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 51-52 of this Catalog. 1 Course*

**FRN 398/498 Directed Study**

*Prerequisites: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 52 of this Catalog. 1 Course*

## German

**GER 101 Introduction to German I**

*Offered: Every Fall term (offered only Fall 2007 this year, as an exception)*

Introduction to spoken German; fundamentals of grammar and pronunciation; and basic vocabulary building. Includes a self-paced language laboratory. 1 Course

**GER 102 Introduction to German II**

*Prerequisite: GER 101 with a grade of C or higher, or permission of instructor*

*Offered: Every Spring term (offered only Spring 2008 this year, as an exception)*

Continued emphasis on spoken German, fundamentals of grammar, pronunciation, and vocabulary building. Readings in light German prose. Includes a self-paced language laboratory. 1 Course

**GER 103 Intermediate German III**

*Prerequisite: GER 102 with a grade of C or higher, or permission of instructor*

*Offered: Every Fall term. (offered only Spring 2008 this year, as an exception)*

Extensive practice in diction, simple composition, and vocabulary building. Readings in German prose. Includes a self-paced language laboratory. 1 Course

**GER 140 German Civilization**

*Offered: Typically as student interest and faculty availability allow (next offered Spring 2008)*

A survey of the development of German civilization from its origins to the present with emphasis on German culture. NOTE: Taught in English. Western History Perspective. 1 Course

**GER 300 German Conversation**

*Prerequisite: GER 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

The course is intended to help students develop reasonable proficiency in conversational skills and to assist in the development of a greater command of the German language as a tool for communication. 1 Course

**GER 310 Advanced German I**

*Prerequisite: GER 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

Readings and discussions in German civilization; introduction to modern German literature. 1 Course

**GER 315 Advanced German II**

*Prerequisite: GER 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Fall Term*

Comprehensive practice of spoken and written German; introduction to contemporary German literature, and scientific German. 1 Course

**GER 320 German Poetry**

*Prerequisite: GER 310 and 315, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2008)*

A study of forms of German verse and its development from the 17th century to the present. Interpretations of selected poems. Arts Perspective. 1 Course

**GER 325 German Narrative Prose**

*Prerequisite: GER 310 and 315, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2007)*

A study of selected narrative prose (novel, short story) from its origin to the present. Arts Perspective. 1 Course

**GER 330 German Drama**

*Prerequisite: GER 310 and 315, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Spring 2008)*

A general survey of German drama from its beginnings to the present. Readings of selected plays. Arts Perspective. 1 Course

**GER 340 German Novel**

*Prerequisite: GER 310 and 315, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A study of the origin and development of the German novel. Selected readings. Arts Perspective. 1 Course

**GER 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**GER 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**GER 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**GER 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**GER 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Hebrew

**HEB 101 Introduction to Classical Hebrew**

*Offered: Typically as student interest and faculty availability allow*

This course will introduce the student to the phonology and morphology of the regular noun and verb, and the elements of syntax in Classical Hebrew. The course will consist of exercises and readings in basic Hebrew, with some simple Biblical narrative. 1 Course

**HEB 102 Intermediate Classical Hebrew**

*Prerequisite: HEB 101*

*Offered: Typically as student interest and faculty availability allow*

This course will build upon the fundamental grammar covered in HEB 101 and will devote a significant amount of time to the readings and analysis of texts from the Hebrew Bible. 1 Course

**HEB 103 Readings in Biblia Hebraica**

*Prerequisite: HEB 102*

*Offered: Typically as student interest and faculty availability allow*

The course will complete the introductory phonology, morphology, and syntax of Classical Hebrew and will devote a significant amount of time to the reading and analysis of texts from the Hebrew Bible texts. 1 Course

**HEB 210 Hebrew Exegesis**

*Prerequisite: HEB 103*

*Offered: Typically as student interest and faculty availability allow (on an individual-study basis)*

Advanced applications of Hebrew grammar and syntax to the study of selected texts, primarily narratives, with an introduction to Hebrew poetry. NOTE: Noncredit for students who completed HEB 301. 1 Course

# Japanese

## **JPN 101 Introduction to Japanese I (also AST)**

*Prerequisite: Permission of instructor*

*Offered: Typically every Fall Term*

Introduction to Japanese as it is spoken in Japan today. Speaking and listening comprehension will be emphasized. 1 Course

## **JPN 102 Introduction to Japanese II (also AST)**

*Prerequisite: JPN 101 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

Continued emphasis on Japanese oral/aural communication skills and an introduction to the Japanese written language. 1 Course

## **JPN 103 Introduction to Japanese III (also AST)**

*Prerequisite: JPN 102 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Fall Term*

Continued development of Japanese speaking, listening, reading, and writing skills. 1 Course

## **JPN 104 Introduction to Japanese IV (also AST)**

*Prerequisite: JPN 103 with a grade of C or higher, or permission*

*Offered: Typically every Spring Term*

Completion of the two-term intermediate level of Japanese language instruction; continued practice of reading, writing, listening, and speaking, fully integrated with culture. 1 Course

# Spanish

## **SPN 101 Introduction to Spanish I**

*Offered: Typically Fall and Spring terms*

Fundamentals of the Spanish language; development of reading, writing, and conversational skills. 1 Course

## **SPN 102 Introduction to Spanish II**

*Prerequisite: SPN 101 with a grade of C or higher, or permission of instructor*

*Offered: Typically Fall and Spring terms*

A continuation of Spanish 10 1 with increasing emphasis on conversational skills. 1 Course

## **SPN 103 Introduction to Spanish III**

*Prerequisite: SPN 102 with a grade of C or higher, or permission of instructor*

*Offered: Typically Fall and Spring terms*

Completion of Spanish grammar. Increased emphasis on writing and conversational skills. 1 Course

## **SPN 140 History of Spain (also HIS)**

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2008)*

A broad survey from pre-history to present as viewed through Spain's culture, art, literature, and customs. Western History Perspective. 1 Course

**SPN 300 Conversation**

*Prerequisite: SPN 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Spring 2008)*

The main objective of this course is to develop fluency in speaking everyday Spanish. May not be taken for credit by a native speaker. 1 Course

**SPN 310 Spanish Composition**

*Prerequisite: SPN 103 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Fall Term*

A course intended to help students acquire a greater mastery of Spanish as a tool for communication through an examination of the more complex grammatical and syntactical structures; through learning idioms and vocabulary; and through writing and analyzing essays. May not be taken by native speakers without consent of instructor. 1 Course

**SPN 315 Introduction to Spanish Literature**

*Prerequisite: SPN 310 with a grade of C or higher, or permission of instructor*

*Offered: Typically every Spring Term*

A course designed to improve reading skills, both practical and critical, and to introduce the student to the tools necessary for literary analysis. Selections from masterpieces of Spanish and Spanish-American literature will serve as the basis for discussion. Arts Perspective. 1 Course

**SPN 320 Peninsular Literature I**

*Prerequisites: SPN 310 and 315 with a grade of C or higher in each, or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008, alternating with SPN 321)*

A survey of Spanish literature from the medieval period through the 17th century. Emphasis on major authors. Arts Perspective. 1 Course

**SPN 321 Peninsular Literature II**

*Prerequisites: SPN 310 and 315 with a grade of C or higher in each, or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2009, alternating with SPN 320)*

A survey of Spanish literature from the beginning of the 18th century to the present. Emphasis on major authors. Arts Perspective. 1 Course

**SPN 330 Spanish American Literature I**

*Prerequisites: SPN 310 and 315 with a grade of C or higher in each, or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2008, alternating with SPN 331)*

A survey of Spanish-American literature from its origins in the 16th century to modernism in the 19th century. Arts Perspective. 1 Course

**SPN 331 Spanish American Literature II**

*Prerequisites: SPN 310 and 315 with a grade of C or higher in each, or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007, alternating with SPN 330)*

A survey of Spanish-American literature from modernism to the present. Emphasis on major authors. Arts Perspective. 1 Course

**SPN 340 The Novel**

*Prerequisites: SPN 300, 310, and 315 with a grade of C or higher in each, or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A reading of selected novels by major Spanish and Spanish-American writers. Arts Perspective. 1 Course

**SPN 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**SPN 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**SPN 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**SPN 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**SPN 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **GSTR**

**GSTR 110 Writing Seminar I: Critical Thinking in the Liberal Arts**

*Offered: Typically Fall and Spring terms*

This course is designed to help students with transitions from their past experiences to the challenges of College academic life and culture, also emphasizing writing, reasoning, and learning as foundations for continuing academic success in General Education and beyond. Each section of the course involves explicit, continuing attention to writing, reasoning, research, and reflective engagement with various texts, written and non-written. All sections initially address with students questions about the nature of education, liberal-arts education, and links to lifelong learning and living. Offered in multiple sections each year; taken in one's first regular term. 1 Course

**GSTR 210 Writing Seminar II: Identity and Diversity in the U.S.**

*Prerequisite: GSTR 110*

*Offered: Typically Fall and Spring Terms*

This course is designed to develop and build upon the reasoning, writing, research, and learning emphases of GSTR 110, while engaging all students on issues close to the historic mission of the College—race, gender, Appalachia, and class. Initially, each section explores the story of Berea, including as it relates to the unifying themes of GSTR 210. Each section of the course involves explicit, continuing attention to writing, reasoning, research, and reflective engagement with various texts, including instruction in the processes of producing a research paper. Taken in one's second regular term. 1 Course

### **GSTR 310 Understandings of Christianity**

*Prerequisites: GSTR 210 and sophomore standing*

*Offered: Typically Fall and Spring terms*

This course invites students to imagine and consider Christianity from stances both inside and outside the faith, from the vantage of various disciplines, as an instance of the general phenomenon of religion, and as a way of understanding life's purpose and meaning that remains important for many around the world. All sections explore together some historical understandings of Christianity, and then individual sections each explore a selected contemporary issue in light of historical and biblical perspectives. Each section applies and builds on the reasoning, research, and writing emphases of GSTR 110 and 210. 1 Course

### **GSTR 332 Scientific Knowledge and Inquiry**

*Prerequisites: Practical Reasoning with Quantitative Emphasis (PRQ) and sophomore standing*

*Offered: Typically Fall and Spring terms*

This course invites students to explore a variety of scientific disciplines in order to understand what science is, does, and tells us about the natural world around us. Employing an integrative approach to the natural sciences, the course emphasizes the historical development of laws, models, and theories, as well as basic scientific literacy important to contemporary concerns. Each section of the course includes inquiry-based learning (laboratory) experiences. 1 Course

### **GSTR 410 Senior Seminar in Contemporary Global Issues**

*Prerequisites: GSTR 310, GSTR 332, and senior standing \**

*Offered: Typically Fall and Spring terms*

As a capstone experience for General Education, this course invites students to synthesize and integrate their learning by using their developing abilities to reason, research, and communicate to investigate aspects of a significant issue for the world today. Each section explores a topic determined by the instructors, and is structured to model broadly multi-disciplinary approaches needed to understand complex problems. Each section involves faculty working closely with students' independent research leading to presentation of a project to others in the course. \*NOTE: Students in the Applied Science and Mathematics major's 3-2 Engineering Program should take this course before transferring to engineering school. 1 Course

### **GST 101 Strategies for Academic Success**

*Offered: Typically Fall and Spring terms*

A course designed to provide students with the necessary academic skills to achieve success in their academic career. Course requirements will be determined by the course coordinator. 1/4 Course

### **GST 117 Christmas Country Dance School**

*Offered: Typically annually*

An intensive experience designed to increase skills and understanding in the teaching of Appalachian, English, Danish, and American dance and song. One week of full-time instruction and practice. NOTE: This course may be repeated for credit. 1/4 Course

### **GST 150 College Composition**

*Offered: Typically Fall and Spring terms*

This course is an intensive study and practice of forms, conventions, and processes of academic discourse, with particular attention to critical thinking; analytic and argumentative writing; research and source use; and effective language use. This course is designed for students who need more focused instruction in writing in order to meet the expectation of academic assignments. Meets four hours per week, with additional individual sessions arranged with the instructor. 1 Course

**GST 215 Classical Mythology (LAT)**

*Offered: Typically every Fall Term*

A study of the myths and legends of the gods and heroes of the Greeks and Romans, through a reading of ancient texts in translation. An exploration of the influence of classical mythology on Western literature, drama, art, music and film. No knowledge of Greek or Latin is necessary. Arts Perspective and Religion Perspective. 1 Course

**GST 222 Intro to African-American Studies (AFR)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007)*

With an emphasis on the humanities and social sciences, this interdisciplinary course provides an opportunity for students to evaluate the historical contributions and contemporary status of African-Americans. Beginning with an historical overview, the course surveys the following topics: social institutions, creative productions, political economy and social class, personal identity and ethnicity, and contemporary status. African Americans', Appalachians', and Women's Perspective. 1 Course

**GST 235 Introduction to Behavioral Sciences**

*Prerequisite: GSTR 110*

*Offered: Typically every Spring Term*

An introduction to the application of the scientific method to the realm of human behavior at all levels. Students will learn about general frameworks for understanding and examining the distinctive approaches of the disciplines of psychology, sociology, and anthropology. The course will emphasize active inquiry and help students to become familiar with the methods characteristic of each of these particular disciplines. Social Science Perspective and Practical Reasoning (PR). 1 Course

**GST 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 51 of this Catalog. 1/2 or 1 Course*

**GST 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 51-52 of this Catalog. 1 Course*

**GST 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior standing*

*Offered: Typically every term*

*See p. 52 of this Catalog. 1 to 3 Courses*

**GST 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 51-52 of this Catalog. 1 Course*

**GST 398/498 Directed Study**

*Prerequisites: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 52 of this Catalog. 1 Course*

# History

## **HIS 101 Western Civilization I**

*Offered: Typically every Fall Term*

An introduction to the ideas and events that shaped the Western world from its beginnings in the ancient Near East to the 15th century. The course emphasizes the study and interpretation of primary documents, viewed within an historical context. Western History Perspective. NOTES: Strongly recommended for the first or sophomore year. Noncredit for students who have completed HIS 226. 1 Course

## **HIS 102 Western Civilization II**

*Offered: Typically every Spring Term (and will be offered Fall 2006, as an exception)*

A survey of major cultural, scientific, and technological developments from the 15th century to 1945, and their interaction with social, political, and organizational structures. Western History Perspective. NOTES: Strongly recommended for the first or sophomore year. Noncredit for students who have completed HIS 227. 1 Course

## **HIS 122 Introduction to China (AST)**

*Offered: Typically every Fall Term*

China has one of the foundational civilizations in human history. It gave rise to social structures, political systems, and philosophies that deeply influenced the development of East Asia. Through close reading of documents, focused analytical writing, open discussion, and lecture, students will develop their own understanding of the evolution of China from its Neolithic origins to its present status as a world power. World Culture (Non-Western) component of the International Perspective. 1 Course

## **HIS 123 Introduction to Japan (AST)**

*Offered: Typically every Spring Term*

Japan has developed from an isolated chain of islands at the edge of East Asia into a modern economic giant. Through close reading of documents, focused analytical writing, open discussion, and lecture, we will examine the complexity of the culture that gave rise to Zen Buddhism, the samurai, and Japan's current position as one of the world's most powerful economies. World Culture (Non-Western) component of the International Perspective. 1 Course

## **HIS 140 History of Spain (SPN)**

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2008)*

A broad survey from pre-history to present as viewed through Spain's culture, art, literature, and customs. Western History Perspective. 1 Course

## **HIS 161 American History to 1865**

*Offered: Typically every Fall Term*

A survey of American history from its beginnings through the War Between the States, with emphasis on political, social, cultural, economics, and military trends, and on the ways in which unified American civilization is created from diverse elements. Western History Perspective. 1 Course

## **HIS 162 American History Since 1865**

*Offered: Typically every Spring Term*

A survey of American history since the War Between the States, with emphasis on political, social, cultural, economic, and military trends, and on the ways in which unified American civilization is created from diverse elements. Western History Perspective. 1 Course

### **HIS 165 Intro. to African American History (AFR)**

*Offered: Typically Fall and Spring terms*

This course surveys the formation of African American cultural identity from the early National period to the present. This course will touch upon major formative events in African American history: slavery, the early formation of African American cultural institutions, the reconstruction of African American life after slavery, northern migration during the World Wars, the civil rights and black power movements of the 1950s and 1960s, and urbanization and class structure in the 1980s and 1990s. African Americans', Appalachians', and Women's Perspective and Western History Perspective. 1 Course

### **HIS 200 Introduction to Historical Study**

*Offered: Typically every Fall Term*

An introduction to history as a scholarly discipline; a way of studying one aspect of human experience. It includes examination of various kinds of sources and how they are handled, principles of research, the collection of data and use of quantitative analysis, historical reasoning, interpretation and synthesis, the history of historical study, and issues raised by contemporary concerns about the uses of history. Should be taken by majors not later than the sophomore year. Social Science Perspective. 1 Course

### **HIS 201 American Political Thought (PSC)**

*Offered: Typically as student interest and faculty availability allow*

A study of American political thinkers from the Puritans to the present. 1 Course

### **HIS 209 Classical Greek Civilization**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)* History of Greece from its earliest period through the conquests of Alexander the Great, with emphasis on political and cultural forces. Western History Perspective. 1 Course

### **HIS 210 Classical Roman Civilization (LAT)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

History of Rome from its foundations to 476 A.D., with emphasis on political, social, economic, and religious forces. Arts Perspective and Western History Perspective. 1 Course

### **HIS 215 History of Christianity to 1600 (REL)**

*Prerequisite: HIS 101 or 226; or GSTR 220 or sophomore standing*

*Offered: Typically alternate years (next offered Fall 2007)*

A general survey of the development of Christianity from apostolic times through the 16th-century Reformations. Emphasis is on Western Christianity, the development of beliefs, practices, and institutions, and Christianity's interaction with society and culture. Religion Perspective and Western History Perspective. 1 Course

### **HIS 219 History of the British Isles**

*Offered: Typically every Spring Term*

A general survey of the political, social, economic, and cultural history of the British Isles from ancient times to the present. Emphasis will be put on the interaction and diversity of the four regions (England, Scotland, Wales, and Ireland) and their relations with other regions. Western History Perspective.

1 Course

**HIS 222 Modern East Asia (AST)**

*Prerequisite: HIS 122 or 123; or GSTR 221 or sophomore standing*

*Offered: Typically as student interest and faculty availability allow*

Prior to 1800, East Asia stood as a powerful cultural and economic zone that had been little influenced by Western culture. The 1800s mark the growing conflict between East and West. The key nations in East Asia (China, Japan, Korea, and Vietnam) all met the challenge of the West with different outlooks and different results. Through close reading, analytical writing, and open discussion, we will come to understand the impetus for modernization in East Asia and assess the varying degrees of success achieved by East Asian nations in this regard. World Culture (Non-Western) component of the International Perspective. 1 Course

**HIS 224 20th-Century World History**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered 2008-2009)*

This course is an examination of major world developments from 1900 to 2000. Topics include colonialism; the two World Wars; political experimentation in the interwar years; the Cold War; the demise of political imperialism; nation-building in Africa, Asia, and South America; globalization; the fall of Soviet-based communism; and challenges to nationalism and the nation-state, including the rise of political regionalism, environmental sustainability, human rights, and terrorism. World Culture (Western) component of the International Perspective. 1 Course

**HIS 228 Gender in the Modern West, 1750-Present (WST)**

*Prerequisite: HIS 101, 102, 226, 227, GSTR 203, or 210*

*Offered: Typically alternate years (next offered 2008-2009)*

This course compares the experiences of women and men to determine how gender roles have contributed to and been shaped by the political and social history of Europe and the United States. The class is arranged topically and chronologically from the Enlightenment through the success of the parity movement in France at the beginning of the 21st century. Topics to be considered include: national revolutions, industrialization and the sexual division of labor, widening political opportunities, socialism, feminism, racism, and warfare. African Americans', Appalachians', and Women's Perspective and Western History Perspective. 1 Course

**HIS 229 Modern Imperialism (AST)**

*Prerequisite: HIS 102, 122 (also AST), HIS 123 (also AST), HIS 227, GSTR 203, or 210*

*Offered: Typically alternate years (next offered Fall 2007, as an exception)*

This course is a selective exploration of imperialism using a comparative historical perspective. Beginning with a reflection on the meanings of "empire," the course explores the rise of European empires during the "high colonialism" of the 19th and 20th centuries. This course then will explore the expansion of European colonialism and regional responses-including local resistance, national revolutions, and the development of the Soviet and Japanese Empires. After examining the dynamics of imperial decline between 1919 and 1945, the course will conclude by considering the status of empires in the post-World War II period. World Culture (Western) component of the International Perspective. 1 Course

**HIS 240 Islam (REL)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

This introduction to Islam will focus on the formative and contemporary traditions of Islam in an effort to understand the sources and patterns of faith within Islam. Primary emphasis will be placed on the text of the Qur'an and the role of Revelation in the development of Islam. A secondary focus will be on the interrelation of Islamic Traditions and Judeo-Christian Traditions. Religion Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**HIS 253 Appalachian America (APS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically every Fall Term*

A broad survey of the history of the Appalachian region. African Americans', Appalachians', and Women's Perspective. 1 Course

**HIS 260 Survey of African History (AFR)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007)*

A survey of African history from the ancient period to the late 20th century. Although the major concentration is upon "Sub-Saharan Africa" and the effects of the enslavement trade and colonialism, the course does provide a brief discussion of significant continent wide highlights from the ancient and medieval periods. The history of Africa's independence movements and the post-independence era also are addressed. World Culture (Non-Western) component of the International Perspective. 1 Course

**HIS 270 The Recent History of the Middle East**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered 2008-2009)*

A survey of the recent history of the Middle East including political, economic, and religious factors important to the region. 1 Course

**HIS 311 Seminar in Medieval European Civilization**

*Prerequisite: HIS 101 or 226; or GSTR 220 or junior standing*

*Offered: Typically alternate years (next offered 2008-2009)*

Through examination of a key period or topic in the history of Medieval Europe (5th through 14th centuries, A.D.), students will develop both a deeper appreciation of this distinctive civilization and its relations to its neighbors, and better understand the sources and methodologies historians use to analyze the human experience in a past era. By reading key primary documents and secondary materials from important historians, they will develop a picture of the way social, economic, political, and cultural issues interact and shape a period. May be repeated for credit, provided the topic differs from those previously studied. 1 Course

**HIS 314 Renaissance and Reformation**

*Prerequisite: HIS 102 or 227; or GSTR 221 or junior standing*

*Offered: Typically alternate years (next offered 2008-2009)*

An examination of the European experience from the late 14th to the late 16th century, including the Renaissance in Italy and transalpine Europe, the Religious Reformation of the 16th century, and the resultant diversification of Western Christianity, and the impact of European contact and interaction with the Non-Western world. 1 Course

### **HIS 315 19th-Century Europe: Revolutions and Industrializing Nations**

*Prerequisite: HIS 102, 200, or 227, GSTR 221, or junior standing*

*Offered: Typically alternate years (first offered Fall 2007)*

This course examines the history of Europe from the French Revolution, which signaled the end of the Old Order, to the outbreak of World War I, which led to the end of European primacy in the world. Major themes for the years 1789 through 1848 include the first and second industrial revolutions, the decline of aristocratic hegemony, the emergence of new ideologies (especially nationalism, liberalism, and socialism), and the rise of the bourgeoisie. After 1870, principal themes include domestic politics, culture in Europe's golden age, and increasing national rivalry and competition. 1 Course

### **HIS 316 20th-Century Europe: Division and Reconciliation**

*Prerequisite: HIS 102, 200, 227, GSTR 203, or 210*

*Offered: Typically alternate years (first offered 2008-2009)*

This course explores major political, social, economic, and cultural developments in 20th-century Europe. Topics include the First World War and its aftermath, the Russian Revolution, Stalinism, Fascism, and Nazism, the Second World War, the origins of the Cold War; life in a divided Europe in the post-1945 period, the collapse of Soviet-based communism; and the Balkan Wars in the 1990s. The course combines a survey of broad historical movements with focused examination of specific case studies. 1 Course

### **HIS 322 Seminar in Chinese History (AST)**

*Prerequisite: HIS 122 or 123; or GSTR 221 or junior standing*

*Offered: Typically every Spring Term*

The goal of this course is two-fold. Through examining a key period in Chinese history, students both will develop a deeper appreciation for Chinese culture and a better understanding for the various methodologies that historians employ in analyzing complex societies. By reading key primary documents and secondary material from important historians, students will develop a picture of the way social, economic, political, and cultural issues interact and shape the period. May be repeated for credit, provided the topic differs from that previously studied. 1 Course

### **HIS 323 Seminar in Japanese History (AST)**

*Prerequisite: HIS 122 or 123; or GSTR 221 or junior standing*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

The goal of this course is two-fold. Through examining a key period in Japanese history, students will develop both a deeper appreciation for Japanese culture and a better understanding for the various methodologies that historians employ in analyzing complex societies. By reading key primary documents and secondary material from important historians, students will develop a picture of the way social, economic, political, and cultural issues interact and shape the period. May be repeated for credit, provided the topic differs from those previously studied. World Culture (Non-Western) component of the International Perspective. 1 Course

### **HIS 335 Topical Seminar in Modern European History**

*Prerequisite: HIS 102,200, or 227, GSTR 203, or 210*

*Offered: Typically alternate years (next offered Spring 2007, as an exception)*

This course examines a specific topic in the history of Modern Europe in an effort to develop both a deeper appreciation for the complexity of the past and an understanding for the various methodologies that historians employ. By reading primary documents and secondary materials, students will develop an understanding of the way social, economic, political, and cultural issues interact and shape a period. May be repeated for credit, provided the topic differs from those previously studied. NOTE: Certain sections of this course also will supplement the Women's Studies and Asian Studies programs, as well as being suited to General Education's African Americans', Appalachians', and Women's Perspective, International Perspective, and Western History Perspective, depending upon each section's focus. Refer to the *Schedule of Classes* and BOND to see which specific sections meet these areas. 1 Course

### **HIS 356 Seminar in African-American History (AFR)**

*Prerequisite: HIS 161 and 162, or HIS 165 (also AFR)*

*Offered: Typically annually (next offered Spring 2008)*

Through examination of a key period in African American history, students will develop a deeper appreciation of this history and a better understanding of sources and methodologies historians use to analyze past human experiences. By reading key primary and secondary materials, students will develop an understanding of the way cultural, social, economic, and political issues interact to shape the period. May be repeated for credit, provided the topic differs from that previously studied. NOTE: Certain sections of this course may be approved to meet a Perspective Area in the General Education Program. Check the *Schedule of Courses* for term-specific information. 1 Course

### **HIS 406 Advanced Topics in History**

*Prerequisite: HIS 200 and senior standing, or junior standing with permission of instructor*

*Offered: Typically annually (next offered Fall 2007)*

The capstone course for the History major. A study of problems, conflicting interpretations involving specific periods, major writings or classical writings of history. May be repeated for credit, provided the topic differs from that previously studied. 1 Course

### **HIS 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

### **HIS 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **HIS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

### **HIS 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **HIS 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Library Science**

### **LSC 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 51-52 of this Catalog. 1 Course*

### **LSC 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior standing*

*Offered: Typically every term*

*See p. 52 of this Catalog. 1 to 3 Courses*

### **LSC 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 51-52 of this Catalog. 1 Course*

## **Mathematics**

### **MAT 010 Pre-Algebra**

*Offered: Typically Fall, Short, Spring, and Summer terms*

This course is designed for students who need to review and master pre-algebra topics, including computation of whole numbers, decimals, fractions, and integers; ratio, proportion, and percent; and geometry. NOTE: This full-term course will provide students with one (1) load credit. Noncredit Course.

### **MAT 011 Elementary Algebra I**

*Offered: Typically Fall, Short, Spring, and Summer terms*

*Prerequisite: Completion or waiver of MAT 010*

This course is designed for students who need to review and master the first half of the elementary algebra topics, including a review of the MAT 010 topics, solving linear equations and inequalities; negative exponents; scientific notation; operations with polynomials; factoring polynomials; and operations with rational expressions. Note: This full-term course will provide students with one (1) load credit. Noncredit Course.

### **MAT 012 Elementary Algebra II**

*Offered: Typically Fall, Short, Spring, and Summer terms*

This course is designed for students who need to review and master the second half of the elementary algebra topics, including a review of the MAT 011 topics; graphing linear equations and inequalities; basic problem solving with one and two variables; solving linear systems of equations; function notation; domain and range; rational exponents; roots; radicals; an introduction to quadratic functions; and study skills needed for mathematics. NOTE: This full-term course will provide students with one (1) load credit. Noncredit Course

### **MAT 101 Mathematical Modeling Using the Computer**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms and as student interest and faculty availability allow*

This course provides an introduction to computers and to mathematical modeling of problems from the real world with an emphasis on using the computer as a flexible problem-solving, predictive, and exploratory tool. A selected computer-application package is studied in depth and used to explore a variety of applied examples. This computer package may vary from section to section. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who completed or waived MAT 101, 110 (no longer offered at Berea College), 115, or 135 (formerly 220). 1 Course

### **MAT 104 Introduction to Statistics**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms and as student interest and faculty availability allow*

This course is designed for students with little mathematics background who wish to gain experience with the basic concepts of statistics and their applications. Topics include graphic representations of data; measures of central tendency and variability; linear regression and correlation; probability; sampling distributions; estimation using confidence intervals; and significance testing. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: This course is not intended for Mathematics majors and is noncredit for students who completed ECO 250 or MAT 311. 1 Course

### **MAT 105 Introduction to Discrete Mathematics**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms*

Discrete mathematics is that branch of mathematics that deals with arrangements of distinct objects. The course will focus on three basic questions related to these arrangements: the existence of such arrangements, the counting of such arrangements, and the selection of a "best" arrangement based upon some criterion. Techniques from this branch of mathematics have application in a wide variety of practical everyday situations, such as how to find the best route for snowplows in a city or what voting method would best represent the will of the voters. Other useful applications include how to count the number of different possible combinations of color and type of a marketed product, how best to schedule a list of tasks to be done, and how to view game theory as a model of social interaction. Discrete mathematical models are used by decision makers in our society, from workers in government to those in health care, transportation, and telecommunications. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

### **MAT 108 Environmental Issues: A Mathematical Modeling Approach**

*Prerequisite: Completion or waive/of MAT 012*

*Offered: Typically every Spring Term*

The state of the planet will be discussed from differing points of view. Local and global issues such as air, land, and water pollution; energy production and consumption; forest, wetland, and other resource management; and waste disposal will be considered. Mathematical models will be developed and explored on the computer in order to make predictions and to consider solutions regarding the environmental problems that face our world. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who completed or waived MAT 101, 110 (no longer offered at Berea College), 115, or 135 (formerly 220). 1 Course

**MAT 115 College Algebra with Modeling**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms*

This course offers a study of algebraic functions and their uses in mathematical modeling. Topics will include the real-number system; basic concepts of functions and graphs; linear, polynomial, rational, exponential, and logarithmic functions and models; and the solutions of systems of linear equations. Applications to various disciplines will be investigated through the development and analysis of mathematical models. Computer graphics and computational packages will be introduced to aid in the analysis of selected applications. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who completed or waived MAT 135 (formerly 220). 1 Course

**MAT 125 Trigonometry with Applications**

*Prerequisite: Completion or waiver of MAT 115*

*Offered: Typically Fall and Spring terms*

This course offers a study of trigonometry and trigonometric functions. Topics will include a review of basic concepts of functions and graphs; trigonometric functions; analytic trigonometry; trigonometric equations; and polar coordinates and vectors. Applications of trigonometry will be investigated through the development and analysis of mathematical models. Computer graphics and computational packages will be introduced to aid in the analysis of selected applications. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

**MAT 135 Calculus I**

*Prerequisite: A knowledge of trigonometry and MAT 110,112, or 125 (11 a and 112 no longer offered at Berea) with a grade of C or higher, or waiver of same based on placement test*

*Offered: Typically Fall and Spring terms*

A study of analytic methods in geometry precedes an introduction to differential and integral calculus. Main topics include exponential, logarithmic, and trigonometric functions, limits, continuity, differentiation, integration, and applications of differential calculus. Graphing calculators will be introduced and used in the analysis of selected problems. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who completed MAT 220. 1 Course

**MAT 201 The Foundations & Teaching of Elementary Mathematics I**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically every Fall Term*

This course will be a study of basic ideas of sets, operations on sets, the counting numbers, and the extension of the numbers to include the rational and real number systems. Throughout the course, the emphasis will be on understanding ideas in mathematics through problem solving and the use of manipulatives, and using this understanding to investigate and develop strategies for teaching elementary mathematics. Observing and teaching children are required for all students enrolled. 1 Course

**MAT 202 The Foundations & Teaching of Elem. Math. II**

*Prerequisite: Completion or waiver of MAT 012;*

*MAT 201, with a grade of C or higher*

*Offered: Typically every Spring Term*

This course is a continuation of MAT 20 I. Topics in mathematics to be covered include: definitions, axioms, similarity, congruence, areas, and volumes. Throughout the course, the emphasis will be on understanding ideas in mathematics through problem solving and the use of manipulatives, and using this understanding to investigate and develop strategies for teaching elementary mathematics. Observing and teaching children are required of all students enrolled. 1 Course

**MAT 214 Linear Algebra**

*Prerequisite: MAT 135 (formerly 220) or permission of instructor*

*Offered: Typically every Spring Term*

This course is intended for students interested in acquiring some familiarity with an abstract mathematical structure that is rich with applications in other areas of mathematics and in the social and physical sciences. Topics to be studied include vector spaces, linear transformations, and matrices. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who completed MAT 314. 1 Course

**MAT 225 Calculus II**

*Prerequisite: MAT 135 (formerly 220) with a grade of C or higher*

*Offered: Typically Fall and Spring terms*

A continuation of MAT 135 (formerly 220). Main topics include the definite integral, applications of the definite integral, integration techniques, numerical integration, and indeterminate forms. Microcomputer graphics and computational packages will be introduced and used in the analysis of selected problems. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

**MAT 308 The Teaching of Mathematics**

*Prerequisite: Permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

This course is designed to acquaint prospective secondary-school teachers with the issues affecting the teaching of mathematics including theory, research, content, and methodology; the resources available to assist them in teaching mathematics; and the NCTM's Professional Standards. Particular emphasis will be given to the use of manipulatives, technology, problem solving, and cooperative learning in the teaching of mathematics. Observing and teaching youths are required of all students enrolled. 1 Course

**MAT 311 Probability**

*Prerequisite: MAT 135 (formerly 220) with a grade of C or higher;*

*MAT 225 or concurrent enrollment; or permission*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

Designed to provide a solid foundation in probability theory. The student should gain an understanding to mathematical concepts and techniques necessary to study statistical inference. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

**MAT 312 Operations Research**

*Prerequisite: MAT 135 (formerly 220) or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

Operations Research is an applied area employing both mathematics and computer science in addressing certain kinds of decision problems arising in a wide variety of disciplinary and professional contexts. The goals of the course will be to develop skills in identifying typical problems; formulating, solving, and interpreting appropriate models; and developing interactive feedback with the problem environment. Topics include linear programming and network formulations; the simplex algorithm and its computer implementation; sensitivity analysis; duality; network algorithms; and dynamic programming. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

**MAT 315 Fundamental Concepts of Mathematics**

*Prerequisite: MAT 135 (formerly 220)*

*Offered: Typically every Fall Term*

Designed to acquaint students with some of the concepts and methods fundamental to all areas of mathematics. Topics will include set theory, relations, functions, logic, methods of proof, cardinality, and selected properties of the real number system. Practical Reasoning (PR). 1 Course

### **MAT 321 Foundations of Geometry**

*Prerequisite: MAT 315*

*Offered: Typically alternate years (next offered 2008-2009)*

This course will include an overall view of the structure of geometry evolving from the basic axioms of Euclidean geometry. The interrelationships between various geometries such as affine, neutral, hyperbolic, projective, elliptic, and others will be studied, as well as some of the easier, important results of each. Because this material is necessary for a good understanding of Euclidean geometry, it is important that those students considering a high-school teaching career in mathematics enroll in this course. 1 Course

### **MAT 330 Calculus III**

*Prerequisite: MAT 225 with a grade of C or higher*

*Offered: Typically every Spring Term*

A continuation of MAT 225. Main topics include infinite series, three dimensional vectors, space, curves, solid analytic geometry, differential calculus of several variables, and multiple integration. Microcomputer graphics and computational packages will be introduced and used in the analysis of selected problems. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

### **MAT 432 Abstract Algebra**

*Prerequisite: MAT 315 and 330 or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

A course designed to introduce students to the methods and topics essential to the study of algebraic structure and its implications. An introduction to group theory will serve to launch an investigation of more highly structured algebras such as rings, integral domains, and fields. 1 Course

### **MAT 433 Numerical Analysis (CSC)**

*Prerequisites: MAT 225; one course chosen from CSC 125, 126, or 226 (formerly 205, 206, or 306); and one course chosen from MAT 214 (formerly 314), 315, or 330*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

Designed for students who are concerned with the development of approximation methods and their use in locating roots of equations, interpolation, numerical differentiation, numerical integrations, and solution of systems of linear equations. 1 Course

### **MAT 434 Real Analysis**

*Prerequisite: MAT 315 and 330, or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007; also offered Spring 2008, as an exception)*

Basic algebraic and topological properties of the real number system will be established and then applied to the study of such concepts as limit, continuity, differentiation, integration, and infinite series. 1 Course

### **MAT 435 Complex Analysis**

*Prerequisite: MAT 330*

*Offered: Typically alternate years (next offered 2008-2009)*

The main objective will be to study functions of a complex variable. The study will draw heavily on the student's previous experience with functions of a real variable. Topics will include the complex numbers, differentiation and integration of functions of a complex variable; power series representation; analytic functions; and the calculus of residues. 1 Course

**MAT 436 Topology**

*Prerequisite: MAT 315 and 330, or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

Topological spaces will be approached by abstracting from a preliminary study of metric spaces. Topics in metric and/or topological settings include open and closed sets; open base and subbase; first and second countability; dense sets; continuity; metrizable; and compactness, connectedness, and separation properties. 1 Course

**MAT 437 Differential Equations**

*Prerequisite: MAT 330*

*Offered: Typically every Fall Term*

This course provides an introduction to both pure and applied aspects of differential equations. Topics to be studied include first-order equations, second-order linear equations, oscillation theory, power-series solutions, systems of first-order equations, nonlinear equations, and numerical methods. Practical Reasoning with Quantitative Emphasis (PRQ). 1 Course

**MAT 438 Statistics**

*Prerequisite: MAT 311 and 330*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

A continuation of MAT 311. The student should gain an appreciation of the nature, scope, and theoretical basis of methods of statistical inference. Topics will include estimation, hypotheses testing, and linear regression. Applications will be discussed. 1 Course

**MAT 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**MAT 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**MAT 492 Senior Mathematics Seminar**

*Prerequisite: Permission of instructor and senior standing*

*Offered: Typically Fall and Spring terms*

During the senior year, each Mathematics major is required to register for this course. Each student's project will begin with a lead paper provided by a faculty-resource person. The project will involve preparation of a 4-10 page research paper and will conclude with an oral presentation. Successful completion of this course will satisfy the major's field-writing requirement. 1/4 Course

**MAT 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog.*

1 to 3 Courses

**MAT 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **MAT 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Computer and Information Science**

### **CSC 125 Introduction to Computer Science**

*Prerequisite: Any course approved to meet Practical Reasoning (PR) or Practical Reasoning with Quantitative Emphasis (PRQ)*

*Offered: Typically every Spring Term*

This course will introduce the student to major themes of computer science, including computer usage in application programs, an exploration of computer hardware, and computer control through computer programming. Constructs of computer programming, such as representation of numbers and usage of variables, as well as assignment, conditional, and repetition statements, will be covered. Students will learn to program in HTML to create Web pages. Common application environments such as the spreadsheet and database will be discussed, and an additional programming language will be selected to further explore these themes. NOTE: Noncredit for students who completed CSC 205. 1 Course

### **CSC 126 Introduction to Robotics**

*Prerequisite: Any course approved to meet Practical Reasoning (PR) or Practical Reasoning with Quantitative Emphasis (PRQ)*

*Offered: Typically every Fall Term*

Robots often perform tasks that are too dull, too dirty, or too dangerous for humans. Robots entertain us, clean our houses, mow our lawns, build our cars, fight our wars, perform surgery on our bodies, dive to the bottoms of the deepest oceans on our planet, and visit distant planets in our galaxy. This course introduces the fundamental concepts of robotics. Topics include how robots move, sense, and perceive the world around them. Students will construct and program robots in laboratory sessions. No previous computer programming or electronics experience is necessary. Practical Reasoning (PR). NOTE: Noncredit for students who completed CSC 206. 1 Course

### **CSC 226 Introduction to Programming with C++**

*Prerequisite: CSC 125 or 126 (formerly 205 or 206); or permission of instructor*

*Offered: Typically every Spring Term*

This course will be concerned with an introduction to the C language, emphasizing structured programming. The course will include pseudocode and stepwise refinement as means of algorithm development. Other programming topics will include data types, arrays, structures, functions, and files. NOTE: Noncredit for students who completed CSC 320. 1 Course

### **CSC 236 Algorithms, Objects, and Data Abstractions**

*Prerequisite: CSC 226 (formerly 306) with a grade of C or higher*

*Offered: Typically every Fall Term*

This course continues the introduction to the methodology of programming from an object-oriented perspective with an emphasis on algorithms, data structures, and software engineering. NOTE: Noncredit for students who completed CSC 320. 1 Course

### **CSC 230 Database Systems**

*Prerequisite: CSC 226 (formerly 306) with a grade of C or higher*

*Offered: Typically alternate Fall Terms (next offered Fall 2009)*

An introduction to the use and operating principles of database management systems. Topics covered include: data entities and relationships; data modeling using entity-relation diagrams: hierarchical, network and relational models of databases; the SQL query language; relational algebra and calculus as applied to the design of databases; security and integrity in the context of concurrent use; and ethical issues associated with database design and use. NOTE: Noncredit for students who completed CSC 330. 1 Course

### **CSC 303 Theory of Computation**

*Prerequisite: CSC 125,126,226 (formerly 205,206,306), or MAT 220*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

An introduction to the fundamental ideas and the basic paradigms of computer science, the very foundation on which to base one's thinking about computers now and in the future. This course will address some of the following topics in the theory of computation-the theory of automata and formal languages, computability by a Turing machine, and computational complexity. Computational tasks that cannot be solved on any computer or tasks where there is no practical, reasonably fast algorithm to solve them will be considered. The perspective here is from that of computing, but the treatment is mathematical in nature. 1 Course

### **CSC 325 Operating Systems with an Emphasis on Unix**

*Prerequisite: CSC 226 (formerly 306) with a grade of C or higher; or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

This course will introduce the main concepts from both traditional and distributed operating systems. Topics will include: goals, structural concepts, process management, memory management, storage management, and security issues. Examples will be drawn from a variety of operating systems, but the majority of the examples will come from the UNIX system. 1 Course

### **CSC 433 Numerical Analysis (MAT)**

*Prerequisite: MAT 225; one course chosen from CSC 125,126, 226, (formerly 205,206, or 306); and one course chosen from MAT 214 (formerly 314), 315, or 330*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

This course is designed for students who are concerned with the development of approximation methods and their use in locating roots of equations, interpolation, numerical differentiation, numerical integrations, and solution of systems of linear equations. 1 Course

### **CSC 435 Computer Organization**

*Prerequisite: CSC 236 (formerly 320) and TEC 265*

*Offered: Typically alternate Spring Terms (as an exception, first offered Fall 2007; alternate Spring terms beginning in 2009)*

A study of the design of modern computer systems with a focus on the interaction between hardware design and system software: instruction sets, cache and virtual memory in the context of the memory hierarchy, combinatorial and sequential logic design, high-level processor architecture, memory and processor organization, and parallel computing. 1 Course

**CSC 440 Design and Analysis of Algorithms**

*Prerequisite: CSC 236 (formerly 320) and one of the following:*

*MAT 105 or MAT 125 or higher-numbered MAT course*

*Offered: Typically alternate Spring Terms (first offered Spring 2008)*

A study of algorithmic approaches to problem-solving, and techniques for designing, analyzing, and comparing algorithms. Approaches such as divide-and-conquer, dynamic programming, and backtracking will be studied. Topics in computational complexity include asymptotic complexity measures, intractability, and NP-complete problems. 1 Course

**CSC 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**CSC 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**CSC 492 Senior Seminar**

*Prerequisite: By permission of instructor*

*Offered: Typically Fall and Spring terms*

The main goal of this course is to introduce students to research topics in computer science. Students first will read selected articles relating to computer science, then will write a formal paper and give a formal presentation on this material. Emphasis will be placed on developing reading comprehension in computer science beyond the textbook level, and on developing effective methods of communicating this information. 1/4 Course

**CSC 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog.*

**CSC 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**CSC 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Music

### **MUS 106 World Music**

*Offered: Typically annually (next offered Fall 2007)*

This course will examine the music within four cultures: Native America, India, Africa, and African-America. The music of each culture will be examined within the context of its history, peoples, and traditions. Musical examples, videos, oral presentations, class demonstrations, and special programs/concerts will be included. Students also will attend several College convocations and discuss, compare, and reflect on the various music cultures and experiences. Arts Perspective and World Culture (Non-Western) component in the International Perspective. NOTE: Noncredit for students who completed this course as GSTR 109. 1 Course

### **MUS 115 Introduction to Music Literature**

*Offered: Typically every Spring Term*

An introduction to the study of music literature. Students in this course will be introduced to significant musical pieces from the major historical periods and will learn to distinguish the musical stylistic characteristics of those periods. Emphasis will be on the development of listening skills and appropriate methods and abilities to analyze, interpret, discuss, and write about music. Although the focus of the literature will be music from the Western art music tradition, selected examples of music from other world cultures will be included. May include required attendance of live musical performances on campus or in the region, as available and appropriate. Four periods per week. Arts Perspective. 1 Course

### **MUS 118 Fundamentals of Music**

*Offered: Typically every Spring Term*

An introduction to reading music, including musical symbols and terminology, rhythm and meter, scales, key signatures, intervals, and chords. Both written and aural skills are developed. Simple musical forms and music literature are included. Designed particularly for: prospective Music majors and minors who need further development of fundamental written and/or aural skills in music in preparation for courses in the Materials of Music and Aural Harmony sequence. This course also is open to the general College student who wishes to develop fundamental knowledge and skills in music. 1 Course

### **MUS 216 Perceptive Listening to Music**

*Offered: Typically Fall and Spring terms*

A study of one or more of the arts, or of a particular medium, in a cultural, cross-cultural, or historical context. Attention will be given to form, structure, style, and other critical considerations. The course will have a research component. The primary focus of this course is the enhancement of the joy of listening to music through the development of music-listening skills in the framework of perceiving and understanding musical information. Emphasis on the attentive style of listening, the elements of music, and the variety of musical styles will be the three areas used to develop such a framework. Arts Perspective. NOTE: Noncredit for students who completed this course as GSTR 209. 1 Course

### **MUS 220 Materials of Music I**

*Prerequisite: Permission of instructor*

*Offered: Typically every Fall Term*

Beginning a four-term sequence of courses in the theoretical approach to music, this is a study of the properties of sound, the overtone series, symbols of notation, rhythm, intervals, scales, and key signatures. Harmonic studies include triads and their inversions, phrase structure and cadences, and harmonic progressions. The course will focus on playing major and minor scales, all triad types and their inversions, and basic chord progressions using primary triads. Two class periods per week plus a keyboard lab. Usually taken in conjunction with MUS 221. NOTE: Noncredit for students who completed MUS 120. 1/2 Course

### **MUS 221 Aural Harmony I**

*Prerequisite: Permission of instructor*

*Offered: Typically every Fall Term*

The relationship between the printed musical symbol and its auditory representation. The "musical ear" is developed through the sight-singing of simple melodies, intervals, scales, and rhythmic patterns. Brief exercises in melodic and rhythmic dictation and conducting patterns. Three periods per week. Usually taken in conjunction with MUS 220 (formerly 120). NOTE: Noncredit for students who completed MUS 312. 1/2 Course

### **MUS 222 Materials of Music II**

*Prerequisite: MUS 220 (formerly 120)*

*Offered: Typically every Spring Term*

Continuation of MUS 220. The study of non-harmonic tones, seventh chords, modulation, the four-part chorale style, and keyboard style. Music forms,; introductory counterpoint, and analysis of works from music literature. Playing basic chord progressions using the secondary as well as primary triads, harmonizing simple melodies, simple transposition, and basic harmonic progressions in four parts. Two class periods per week plus a keyboard lab. Usually taken in conjunction with MUS 223 (formerly 313). NOTE: Noncredit for students who completed MUS 121. 1/2 Course

### **MUS 223 Aural Harmony II**

*Prerequisite: MUS 221 (formerly 121)*

*Offered: Typically every Spring Term*

Continuation of MUS 221. Further studies in sight-singing; melodic and rhythmic dictation; harmonic backgrounds and part-singing; syncopation; and beginning harmonic dictation. Three periods per week. Usually taken in conjunction with MUS 222 (formerly 312). NOTE: Noncredit for students who completed MUS 313. 1/2 Course

### **MUS 224 Appalachian Music (APS)**

*Offered: Typically every Fall Term*

An introduction to the music that has been, and is, an important part of the culture of the Southern Appalachian region. Specific musical elements will be discussed in relation to ballads and songs, instrumental music, bluegrass, country, and various types of religious music. The importance of the region's music and musicians in the development of country and popular music in America is treated. Three periods per week. Arts Perspective and African Americans', Appalachians', and Women's Perspective. 1 Course

### **MUS 234 African-American Music: An Overview (AFR)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically every Spring Term*

The study of African-American music and musicians within the general framework of American society, tracing the development of the music from its African origins to its impact upon and fusion with American music and culture. Although the main focus will be placed upon music indigenous to African-American culture, study will encompass significant African-American musicians in the European classical music tradition. Arts Perspective and African Americans', Appalachians', Women's Perspective. 1 Course

### **MUS 320 Materials of Music III**

*Prerequisite: MUS 222 (formerly 312)*

*Offered: Typically every Fall Term*

Continuation of MUS 222. Seventh chords, altered chords, chromatic harmony, modulation, musical forms, and analysis of musical examples from the common practice period. Three periods per week. Usually taken in conjunction with MUS 321. 1/2 Course

### **MUS 321 Aural and Keyboard Harmony III**

*Prerequisite: MUS 223 (formerly 313)*

*Offered: Typically every Fall Term*

Continuation of MUS 223. Sight-singing of diatonic and chromatic melodies; use of computers in developing aural skills; melodic, rhythmic, contrapuntal, and harmonic dictation. Harmonizing melodies at the piano keyboard. Two periods per week. Usually taken in conjunction with MUS 320. 1/2 Course

### **MUS 322 Materials of Music IV**

*Prerequisite: MUS 320*

*Offered: Typically every Spring Term*

Continuation of MUS 320. Modulation to remote keys, chords of multiple thirds, larger musical forms, alternatives to traditional harmony, impressionism atonality, poly tonality, serialism electronic music, minimalism, and new systems of notation. Analysis of late 19th- and 20th-century works. Creative writing in various styles. Three periods per week. Usually taken in conjunction with MUS 323. 1/2 Course

### **MUS 323 Aural and Keyboard Harmony IV**

*Prerequisite: MUS 321*

*Offered: Typically every Spring Term*

Continuation of MUS 321. Sight-singing of modulating; modal, tonal, and atonal melodies; and melodic, contrapuntal and harmonic dictation. Continuation of computer usage in furthering aural skills. Keyboard skills include harmonization using diatonic and altered chords, transposition, chord symbols, improvisation, and figured bass. Preparation for Piano Proficiency Examination. Two periods per week. Usually taken in conjunction with MUS 322. 1/2 Course

### **MUS 324 Composition**

*Prerequisite: MUS 322*

*Offered: Typically Fall and Spring terms, as student interest and faculty availability allow (offered Fall 2007 and Spring 2008 this year)*

Selected topics in composition are studied, such as texture; tonal and serial procedures; melody with accompaniment; and idiomatic writing for instruments and voices. Students use skills acquired through previous study of theory, harmony, and musical analysis in arranging and creating pieces in small and large forms. A weekly seminar (one hour) and individual conferences (one-half hour) focus on the creation of original works by students and detailed analysis of works that exemplify the selected topics. Students also will gain familiarity with computer programs in music notation and publishing. Individual assignments are made on the basis of each student's ability, training, and experience. May be repeated for credit with permission of instructor. 1/2 Course

### **MUS 326 Vocal Methods**

*Prerequisite: MUS 223 (formerly 313) or permission of instructor*

*Offered: Typically alternate Fall terms (next offered Fall 2008)*

A course in the fundamentals of singing and how these fundamentals may be used in effective instruction of students in a school's music program. A study of the vocal mechanism with special attention given to the physical and psychological aspects of vocal pedagogy. A study of methods appropriate to choral rehearsal. A survey of choral music history and of choral literature as it applies to the school music program at all levels. 1 Course

### **MUS 328 Teaching of Brass and Percussion Instruments**

*Prerequisite: Admission to Music or Music Education major; or permission of instructor*

*Offered: Typically alternate Spring terms (next offered Spring 2009)*

A study of the materials, methods, literature, and pedagogy of brass and percussion instruments. Course requirements include reading and research assignments, examination of appropriate materials and equipment, a performance and teaching laboratory component, and practicum experiences. Three class meetings per week. 1/2 Course

### **Music 329 Teaching of Woodwind Instruments**

*Prerequisite: Admission to Music or Music Education major; or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

A study of the materials, literature, and pedagogy of woodwind instruments. Course requirements include reading and research assignments, examination of appropriate materials and equipment, a performance and teaching laboratory component, and practicum experiences. Three class meetings per week. 1/2 Course

### **MUS 330/331 Music History I and II**

*Prerequisites: Declared Music or Music Education major or Music minor; and MUS 222 (formerly 312); or permission of instructor*

*Offered: Typically alternate years (MUS 330 in Fall; MUS 331 in Spring)*

An upper-level historical survey of Western music-Its styles, genres, composers, and works. A "music-centered" course, this survey will include analysis of representative works of the music literature. The music of classical Greece and the early Christian era through the Baroque, first term; the Classic era to the present day, second term. Four periods per week. 1 Course Each

### **MUS 335 Materials and Methods of Elementary Music**

*Prerequisite: Admission to Music or Music Education major; or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

An introduction to philosophies, methodologies, and pedagogical foundations of teaching music in elementary schools, including those of Kodaly, Orff, Dalcroze, and Gordon. Course activities would include review of materials, assigned readings, research, class discussions, practical teaching laboratory sessions, and practicum experiences. Four meetings per week. 1 Course

### **MUS 336 Fundamentals of Teaching Instrumental Music in the Public Schools**

*Prerequisites: Music majors only or by permission of instructor;*

*EDS 150 (formerly 250); and MUS 223 (formerly 313)*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

A course that provides an overview of the instrumental music - education profession, including the philosophy, methodology, and pedagogical foundations that are essential for successful teaching. The course is intended to assist the prospective instrumental music educator in the development of necessary musical, teaching, administrative, and personal skills. Four periods per week. 1 Course

**MUS 337 Conducting**

*Prerequisite: MUS 223 (formerly 313)*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

Study and practice of beat patterns, baton technique, left-hand functions, cueing, pulse changes, recitative conducting, error detection, score reading, score marking, and other techniques used in instrumental and choral conducting. Practical experience. Concurrent participation in ensemble of major applied instrument (MUS 131, 132, or 135) is required for laboratory experience. Four periods per week. 1 Course

**MUS 340o Organ Pedagogy**

*Prerequisite: MUA 221 (organ) or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A study of instructional methods and materials used in teaching organ, as well as performance practices and problems. Each person enrolled in the course will teach lessons to two beginning organ students during the term, gaining practical experience in pedagogy. Two periods per week plus one hour teaching. 1/2 Course

**MUS 340p Piano Pedagogy**

*Prerequisite: MUA 221p (piano) or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Lectures and discussion of teaching skills on all levels, in addition to a survey of methods and materials. Private and class teaching methods. Two periods per week. 1/2 Course

**MUS 341 Studio Teaching**

*Prerequisite: MUS 340p*

*Offered: Typically as student interest and faculty availability allow*

Supervised teaching of piano with related discussions in a weekly seminar. One-hour seminar, plus two periods of teaching per week. 1/2 Course

**MUS 342v Vocal Pedagogy and Diction**

*Prerequisite: MUA 326v (voice) or permission of instructors*

*Offered: Typically alternate Spring terms (next offered Spring 2008)*

A study of the physiological functions involved in singing (breathing, phonation, etc.). Consideration of vocal methods, use of imagery in teaching, resonance, tone quality, placement, vocalization, diction (Italian, German, French, and English) including a working knowledge of the International Phonetic Alphabet (IPA), and interpretation. There will be many reading assignments, as well as listening to recordings and observing singers. Practical experience will be obtained by working with members of the voice class. Four periods per week: one day will be a laboratory experience. 1 Course

**MUS 350o Organ Literature I**

*Prerequisite: MUA 2210 (organ) or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A comprehensive introduction to organ literature, including the historical development of the organ. Characteristic forms, compositional styles, and the various "schools" of organ composition are traced from the Medieval through the Classic era. Representative organ works are heard live or through recordings made on historic instruments. Two periods per week. 1/2 Course

**MUS 350p Piano Literature I**

*Prerequisite: MUA 221p (piano) or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

The study of the history and literature of piano music as it developed through the ages. Starting with the early national schools of keyboard music and progressing through the music of Beethoven, the course will deal with different phases of keyboard development, the more important musical forms, performance practice, and the significant piano music of the major composers of each era. Individual research, some informal performance in class by both the teacher and the student, as well as outside listening, will be included. Two periods per week. 1/2 Course

**MUS 351o Organ Literature II**

*Prerequisite: MUS 3500 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A continuation of MUS 3500, with works from the Romantic period through the 20th century being played, heard, and discussed. The development of 19th- and 20th-century organs and their influence on compositional style. Two periods per week. 1/2 Course

**MUS 351p Piano Literature II**

*Prerequisite: MUS 350p or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

A continuation of MUS 350p including the Romantic composers through the present day. Schools of technique and 19th- and 20th- century pianists also will be studied. Two periods per week. 1/2 Course

**MUS 352v Vocal Literature**

*Prerequisite: MUA (voice) 326 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2007)*

A course to familiarize the student with the vocal forms, styles, and repertoire of Early English Baroque period; 15th-, 19th- and 20th- century Italian, French, German, British, and American art song literature; and sacred vocal literature. There will be comprehensive weekly listening and reading assignments and some singing. Four periods per week; one day will be a laboratory experience. 1 Course

**MUS 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**MUS 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**MUS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**MUS 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **MUS 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

### **MUS 400 Senior Seminar**

*Prerequisite: Senior standing and permission of instructor*

*Offered: Typically every Spring Term*

Senior Seminar is designed to be the capstone experience of the Music Department's core curriculum. As such, the seminar will focus on the research, study, practice, and implementation of the senior Music major's final project, which will consist of a final paper, and a performance or other public presentation. The seminar will function as a laboratory for students to present ideas and receive feedback as they work collaboratively and individually in completing their projects. As a culmination and integration of training and learning and as preparation for their professional future, this seminar provides an important support structure and learning community for Music majors. Course will meet once per week. NOTE: Required of all General Music majors, and part of an optional course sequence for Music Education majors. Students in General Music may take MUS 400 (112 credit) and MUA 400 (112 credit) to fulfill the Senior Seminar requirement if they do a recital and pass a recital preview. Other General Music majors will take MUS 400 as a one-credit course. Music Education majors may choose to take the course as 112 or full credit, in consultation with their Academic Adviser. 1/2 to 1 Course

## **Music**

### **MUS 100 Class Piano**

*Offered: Typically Fall and Spring terms*

Designed for the College student who has had little or no formal keyboard instruction. Emphasis on reading and music fundamentals, and functional use of the piano. Two periods per week. Course Fee: \$10 per term. 1/4 Course

### **MUS 102 Class Recorder**

*Prerequisite: Permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

An introduction to playing the recorder. Designed for the student who has little or no formal instrumental instruction. Emphasis will be placed on the fundamentals of music reading as well as the functional use of the recorder. Open to non-Music majors. Two periods per week. Course fee: \$10 per term. 1/4 Course

### **MUS 103 Class Voice**

*Prerequisite: Permission of instructor*

*Offered: Typically annually (next offered Fall 2007)*

First year of vocal study; open to all Berea College students. The class will meet as a whole two hours per week. In addition, students will be divided into smaller groups to rehearse with an accompanist. Some individual practice also is required. All students will have an opportunity to perform at the weekly performance class. Course Fee: \$10 per term. 1/4 Course

### **MUS 130 Chamber Music**

*Prerequisite: Permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

Membership is open to all experienced players interested in performance of chamber music-woodwind, brass, string, percussion, recorder, vocal, and keyboard-by audition or permission of conductor. Regular attendance at rehearsals and performances is obligatory. May be repeated for credit. 1/4 Course

### **MUS 130A Chamber Singers**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

A select 10- to 20-voice ensemble chosen by audition from the Concert Choir. The Chamber Singers perform at all Concert Choir appearances, sing off-campus in the region, and perform at College chapel services. 1/4 Course

### **MUS 130B Jazz Ensemble**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

An instrumental ensemble that performs various styles of jazz for big band (swing, blues, bebop, and other types of jazz), including traditional cool, Latin, and jazz-rock fusion. The group performs on campus and throughout the region. This course includes a spring tour, and students will be expected to pay some portion of the costs. The fees will be announced on the first day of class and included in the syllabus. Students also may have to cover the cost of formal footwear. 1/4 Course

### **MUS 130C Women's Choir**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

An auditioned ensemble open to all female Berea College students. The choir performs a wide variety of choral music for women's voices, including sacred, secular, Broadway, and folk genres. Performances are at campus and community functions with several short, off-campus trips. 1/4 Course

### **MUS 130O Recorder Ensemble**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

A chamber group that specializes in music for this historic family of wooden flutes. Repertoire includes music from the medieval period to the present. Students learn to play and perform on several different sizes of recorder. 1/4 Course

### **MUS 130E Chamber Music**

*Prerequisite: Permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2007)*

Open, by permission of the Music faculty, to Berea College students seeking to perform in small chamber ensembles, depending on available instrumentation and ability. 1/4 Course

### **130F Bluegrass Music Ensemble**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

An ensemble of up to six members (guitar, banjo, fiddle, mandolin, bass, and lead singer). The ensemble specializes in traditional and contemporary bluegrass and old-time music. The group performs on and off campus. 1/4 Course

### **MUS 130G Chamber Winds**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

An ensemble comprised of advanced musicians of the Wind Ensemble. The ensemble's repertoire ranges from 17th-century works for winds to newly commissioned works. The group performs two to three concerts per term. Students may have to cover the cost of formal footwear. 1/4 Course

### **MUS 130H African/Latino Percussion Ensemble**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

An ensemble that performs a variety of rhythms based on the traditional drumming styles of the Caribbean, West Africa, and South America. 1/4 Course

### **MUS 130I Contemporary Percussion Ensemble**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring Term*

An ensemble that includes drums, percussion, and a basic modern-rhythm section. The ensemble performs a range of contemporary styles including jazz, Latin, rock, funk, and world beat. 1/4 Course

### **MUS 131 Concert Choir**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

Sixty-voice, mixed-choral ensemble open to all Berea College students; membership is gained by audition. Performs wide variety of musical styles, both sacred and secular, and in several languages. Regular attendance at all rehearsals and performances is required. Four periods per week. May be repeated for credit. 1/4 Course

### **MUS 132 Wind Ensemble**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

Open to all Berea College students; membership is gained by audition and demonstrated ability to read at sight. Regular attendance at all rehearsals and performances is required. Meets twice weekly, performs at several College functions and in concert. Students may have to cover the costs of formal footwear. Membership in Wind Ensemble is a prerequisite to Stage Band membership. May be repeated for credit. 1/4 Course

### **MUS 135 Black Music Ensemble (also AFR 138)**

*Prerequisite: Permission of instructor*

*Offered: Typically Fall and Spring terms*

Open to all Berea College students, this ensemble specializes in the performance of African-American sacred music, particularly spirituals and gospel music. The ensemble meets twice weekly for one and one-half hours. Regular attendance is required at all rehearsals and performances including annual Fall and Spring concerts, as well as several other programs each term. Membership by permission of instructor after audition. May be repeated for credit. Course Fee: \$15 (for transportation and robe cleaning). 1/4 Course

### **APPLIED MUSIC LESSONS**

Private Lessons (MUA 105-400, inclusive) No fees for lessons Classification for Applied Music credit purposes is established by the instructor at the time of the first lesson each term. Private lessons are available in the following media:

Appalachian Instruments: (folk guitar, fiddle, banjo)

Baritone Horn

Clarinet

Flute

French Horn

Gospel Piano

Guitar

Harpsichord

Organ  
Percussion  
Piano  
Recorder  
Saxophone  
Trombone  
Trumpet  
Tuba  
Voice

## **Nursing**

### **NUR 300 Intro to the Art and Science of Nursing**

*Offered: Typically every Spring Term*

This course introduces the student to the interwoven concepts of the art and science of nursing. Students will analyze the Caring Model as a philosophical foundation for professional nursing practice. Students will explore the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice* with emphasis upon human diversity, the nurse-client relationship, the professional roles of the nurse, effective communication, and group process. This course includes four hours of theory/classroom experience each week. Appropriate standardized exam(s) may be required. NOTE: Taken Spring Term of first year. Course Fee: \$50. I Course

### **NUR 341 Essentials of Health Assessment and Nursing Practice I**

*Prerequisites: BIO 102 (formerly 302)*

*Offered: Typically every Fall Term*

This course focuses on the assessment of health and the promotion of wellness throughout the lifespan through the nursing process, and American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. Caring is the paradigm for this course and expands the concepts of critical thinking, nursing, person, environment, and health. Students also will explore community health concepts with emphasis on the family, health promotion, and concepts of epidemiology. This course includes three hours of theory/classroom experience and three hours of clinical each week. Appropriate standardized exam(s) may be required. NOTES: Taken Fall Term of sophomore year. May be approved on a term-by-term basis to meet the Active Learning Experience. (Check the *Schedule of Classes* and BONd to see if this course is approved for the term in which the student plans to take the course). Course Fee: \$50. 1 Course

### **NUR 342 Essentials of Health Assessment and Nursing Practice II**

*Prerequisite: NUR 341*

*Offered: Typically every Spring Term*

This course continues the focus on the assessment of health and promotion of wellness throughout the lifespan through the nursing process, and the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. The course provides the opportunity for students to apply carative factors as a foundation for nursing care of common healthcare concerns of children and adults. Caring is the paradigm for this course and expands the concepts of critical thinking, nursing, person, environment, and health. Integration of health assessment, pathophysiology, and pharmacology will be emphasized. This course includes four hours of theory/classroom experience each week and 84 hours of clinical experience per term. Appropriate standardized exam(s) may be required. NOTE: Taken Spring Term of sophomore year. Course Fee: \$50. 1-1/2 Courses

**NUR 350 Nursing of Children and Adults I**

*Prerequisite: NUR 342, BIO 222, and CFS 22 I*

*Offered: Typically eve,)! Fall Term*

This course is the first of a two-course sequence, which deepens the student's understanding of the nursing care of children and adults experiencing alterations in health. Caring is the paradigm for this course and expands concepts of critical thinking, nursing, person, environment, and health. Clinical experiences provide the student with the opportunities to care for clients in congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. This course includes four hours of theory/classroom experience each week and 84 hours of clinical experience per term. Appropriate standardized exam(s) may be required. NOTES: Taken Fall Term of junior year. Noncredit for students who completed this course as NUR 346. Course Fee: \$100. 1-1/2 Courses

**NUR 351 Nursing of Children and Adults With Psychiatric/Mental Health Needs**

*Prerequisites: NUR 342; BIO 207 (or concurrent enrollment); BIO 222 (formerly 322); CFS 22 I; CHM 113; and PSY 100*

*Offered: Typically every Fall Term*

The focus of this course is on nursing care of children and adults with psychiatric/mental-health needs. Caring is the paradigm for this course and expands the concepts of critical thinking, nursing, person, environment, and health. Clinical experiences provide the student with opportunities to care for clients in congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. This course includes two hours of theory/classroom experience each week and 84 hours of clinical experience per term. Appropriate standardized exam(s) may be required. NOTES: Taken Fall Term of junior year. Noncredit for students who completed this course as NUR 344. 1 Course

**NUR 352 Research in Nursing**

*Prerequisite: NUR 342, CFS 221, BIO 222 (formerly 322), CHM 113, and PSY 100*

*Offered: Typically every Spring Term*

The focus of this course is the role of research in nursing practice. Students will explore sources of knowledge appropriate to the discipline of nursing. Students will focus on the use of research-based knowledge from nursing and the sciences as the basis for practice, as described in the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. The evolution of knowledge and research practices in nursing will be examined. Critical appraisal and use of nursing research studies will be a major emphasis of the course. A group presentation of a research critique, which focuses on the usefulness of the study to the discipline, is a major requirement of the course. Two hours in class each week. Appropriate standardized exam(s) may be required. NOTE: Taken Spring Term of junior year. Noncredit for students who completed this course as NUR 345. 1/2 Course

### **NUR 353 Nursing of Children and Adults II**

*Prerequisites: NUR 350*

*Offered: Typically every Spring Term*

This course is the second of a two-course sequence that focuses on the care of children and adults experiencing alterations in health. Caring is the paradigm for this course and expands concepts of critical thinking, nursing, person, environment, and health. Clinical experiences provide the student with the opportunities to care for clients/families in congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. Five hours of class each week and 120 hours of clinical per term. Appropriate standardized exam(s) may be required. NOTE: Taken Spring Term of junior year. NOTE: Noncredit for students who completed this course as NUR 347. Course Fee: \$55. 2 Courses

### **NUR 343 Nursing of Women and the Childbearing Family**

*Prerequisites: NUR 342; BIO 207 (or concurrent enrollment);*

*BIO 222 (formerly 322); CFS 221; CHM 113; and PSY 100*

*Offered: Typically every Fall Term*

The focus of this course is on nursing and women and the childbearing family, including women's health, antepartum, intrapartum, postpartum, and neonatal clients/families. Caring is the paradigm for this course and expands the concepts of critical thinking, nursing, person, environment, and health. Clinical experiences provide the student with opportunities to care for clients/families in congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*. This course includes four hours of theory/classroom experience each week and 84 hours of clinical experience per term. Appropriate standardized exam(s) may be required. NOTES: Taken Fall Term of junior year. Noncredit for students who completed this course as NUR 347. Course Fee: \$55. 1-1/2 Courses

### **NUR 448 Community Health Nursing and Leadership I**

*Prerequisites: NUR 353 (formerly NUR 346)*

*Offered: Typically every Fall Term*

This course is the first of a two-course sequence that focuses on integration and application of public-health and leadership theory within the caring paradigm. Social, cultural, economic, and political influences on families, communities, and the healthcare system will be explored. Emphasis is on assessment and health planning with families and populations at risk for health problems. Caring is the paradigm for this course and expands the concepts of critical thinking, nursing, person, environment, and health. Clinical experiences provide the student with opportunities to care for clients in congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice* and the Standards of Community Health Nursing Practice. Community-based clinical/practicum settings include a variety of health and social agencies in nearby Appalachian counties, including schools, community services, health departments, and homes. This course includes two hours of theory/classroom experience each week and 84 hours of clinical experience per term. Appropriate standardized exam(s) may be required. NOTES: Taken Fall Term of senior year. Noncredit for students who completed this course as NUR 348. I Course

### **NUR 449 Community Health Nursing and Leadership II**

*Prerequisite: NUR 448 (formerly NUR 348)*

*Offered: Typically every Spring Term*

This course is the second of a two-course sequence that focuses on integration and application of public health and leadership theory within the caring model. Social, cultural, economic, and political influences on families, communities, and the healthcare system will be explored. Emphasis is on implementation and evaluation of health care services to families, groups, and communities. Caring is the paradigm for this course and expands the concepts of critical thinking, nursing, person, environment, and health. Clinical experiences provide students with opportunities to care for clients in congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice* and Standards of Community Health Nursing Practice. Community-based clinical/practicum settings include a variety of health and community agencies, including schools, health departments, hospitals, and neighborhoods. This course includes two hours of theory/classroom experience each week and 84 hours of clinical experience per term. Appropriate standardized exam(s) may be required. NOTES: Taken Spring Term of senior year. Noncredit for students who completed this course as NUR 346. I Course

### **NUR 358 Child Health and Assessment (CFS)**

*Prerequisite: Permission of instructor*

*Offered: Typically alternate Short Terms (next offered Short Term 2008)*

This course is designed as a comprehensive study of the health and safety needs of young children (birth through age 8) and the use of multiple assessments of children's development. Content will include prenatal and postpartum care; immunizations; chronic and acute health-care needs; safety issues and good health practices; legal and ethical considerations; evaluation of assessment instruments; and assessment report composition. Students also will become competent in the use of multiple assessments-such as observations, checklists, interviews, anecdotal records, play-based assessments, and norm-and-criterion-referenced tools as prescribed by state and national organizations and learned societies-and will be prepared to make professional decisions regarding screening, assessment, initial program planning, program modification, and program evaluation for young children. Emphasis will be placed on the culturally sensitive collaboration between the student and the families as part of a multi-disciplinary team. 20 field hours. Course Fee: \$15. I Course

### **NUR 450 Synthesis in Nursing Practice**

*Prerequisites: NUR 347 and 348*

*Offered: Typically every Spring Term*

This capstone course focuses on the delivery of nursing care to children and adults with multiple, complex health problems. Caring is the paradigm for this course and expands concepts of critical thinking, nursing, person, environment, and health. Students will synthesize content from previous courses. In congruence with the American Association of Colleges of Nursing's (AACN's) *Essentials of Baccalaureate Education for Professional Nursing Practice*, students will have the opportunity to expand the following abilities: a) identify patterns, connections, and relationships in health and disease, b) make decisions about nursing care based on a thorough assessment, analysis, and exploration of potential consequences, c) use therapeutic communication, and d) develop skills needed to design, implement, and evaluate therapeutic nursing interventions. Test-taking skills and relaxation techniques also will be addressed. A clinical component will provide opportunity for the student to master areas of recognized need. Four hours of class each week and 160 hours of clinical per term will be included. Appropriate standardized exam(s) may be required. NOTE: Taken Spring Term of senior year. Course Fee: \$100. 2 Courses

**NUR 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**NUR 390/490 A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

**NUR 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**NUR 397/497 A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**NUR 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. I Course*

## **Peace & Social Justice**

**PSJ 100 Foundations of Peace and Social Justice**

*Offered: Typically every Fall Term*

This course provides an introduction to issues of peace and social justice, skills of social analysis, and actions for social change. The course addresses questions of poverty and inequality, the environment, and human rights. It surveys features of the modern world widely considered to be problematic, including the extent of serious poverty; the dynamics of gender and racial discrimination; questions of human rights; and situations of war and other forms of violence. The emphasis, however, is not on the state of the world but on ways of understanding it: on histories and theories of causes, effects, and solutions. The course does not teach to a predetermined notion of "justice," or to a particular political point-of-view, and it is not inherently "pacifist." It does, however, *problematize* inequality, conflict, and violence, and it introduces students to resources for analysis of and engagement with the world. 1 Course

**PSJ 110 Conflict Transformation**

*Offered: Typically alternate Fall Terms (next offered Fall 2009)*

Designed as a broad introduction to the philosophy and practice of conflict transformation, this course will familiarize students with various theoretical understandings of conflict. Beginning with the premise that conflict is a normal part of daily life, the course will examine conflict as an important dynamic in personal growth and social transformation, as well as a source of alienation, violence, and war. Students will explore conflict at a personal, communal, national, and international level. They will be encouraged to critically examine their underlying assumptions and beliefs about conflict and their patterns of response to conflict. An interdisciplinary approach drawing on both social science and spiritual perspectives will be used to explore conflict/communication styles, the role of power, systemic analysis, the dynamics of change, and intervention in interpersonal, organizational, and inter-group conflicts. I Course

**PSJ 205 Peace and Social Justice: Theories and Practice**

*Prerequisites: GSTR 210*

*Offered: Typically every Spring Term*

A consideration of social justice and peace from both secular and religious points of view. The course considers leading theories about the nature and implementation of social justice, and the role that religions (especially Christianity, Hinduism, Islam, and Judaism) play in wars and conflicts, as well as in peace and justice movements. The teachings and practices of Mahatma Gandhi and Martin Luther King Jr. are considered as ways of opening up a broad and cross-cultural study of alternatives to violence, in particular through understandings of peacemaking as spiritual practice. The course also examines Gandhi's and King's critics. Student projects focus on current issues, in particular on violence and peacemaking in the contemporary world. Religion Perspective. I Course

**PSJ 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**PSJ 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PSJ 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Philosophy

**PHI 100 Introduction to Philosophy**

*Offered: Typically alternate years (next offered 2008-2009)*

An introduction to philosophy as disciplined inquiry about fundamental features of the world; powers and limits of mind as a way of knowing; and puzzles posed by living and living well. Attention to contemporary and classic texts selected from the history of philosophy. 1 Course

**PHI 104 Morality, Law, and Philosophy**

*Offered: Typically alternate years (next offered Fall 2007, as an exception)*

An introductory course in philosophy through examination of contemporary moral and legal controversies, such as abortion, censorship, freedom of religion, equality, and civil disobedience, among others. Attention to classic and contemporary philosophic texts, relevant legal materials, and fundamental features of law and of morality. Practical Reasoning (PR). I Course

**PHI 106 Introductory Reasoning**

*Offered: Typically annually (next offered Spring 2008)*

A course about principles and applications of correct canons of reasoning. Focus on identifying, evaluating, and constructing arguments using a variety of techniques. Practical Reasoning (PR). I Course

**PHI 204 Justice and Law in Classical Political Philosophy (PSC)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2008)*

An examination of Greek, Roman, and Christian thinking about law, justice, and political community, including works by Plato, Aristotle, Cicero, and Thomas Aquinas, among others. Western History Perspective and Practical Reasoning (PR). I Course

**PHI 207 Human Rights, International Law (PSC)**

*Prerequisite: GSTR 220 or sophomore standing*

*Offered: Typically alternate years (next offered Spring 2008, as an exception)*

A philosophic examination of moral and philosophic issues involving the nature of law and rights, theories of just and unjust war, views of state sovereignty, and the international community. Thematic focus on legal and moral questions about uses of force in humanitarian interventions to address violations of human rights. Attention to classic and contemporary philosophic texts, relevant legal documents, and some basic structures of state and international order. Practical Reasoning (PR) and World Culture (Western) component of the International Perspective. I Course

**PHI 209 Freedom, Law, and the Modern State (PSC)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2007)*

An examination of some distinctive ways of thinking about law, freedom, and the state since the Reformation, including the social contract views of Hobbes, Locke, and Rousseau, utilitarianism, Marx, 19th-century historicism, and 20th-century pragmatism. Western History Perspective and Practical Reasoning (PR). I Course

**PHI 212 Science in the Contemporary World**

*Prerequisite: GSTR 203, GSTR 210, or sophomore standing*

*Offered: Typically alternate years (next expected to be offered 2008-09)*

An exploration of various topics in the philosophy of science. Possible topics include the nature of science and the scientific method, the implications of the results of contemporary natural sciences for humanity's place in the universe, and ethical questions that arise out of the scientific method and its results. I Course

**PHI 214 Approaches to Ethics**

*Prerequisite: GSTR 203, GSTR 210, or sophomore standing*

*Offered: Typically annually (next offered Spring 2008)*

An examination of distinctive religious and philosophic ways of thinking about good, duty, virtue, and the nature of ethics. Attention to selected works of Thomas Aquinas, Aristotle, Kant, John Stuart Mill, and others. Practical Reasoning (PR). 1 Course

**PHI 215 Thinking About God**

*Prerequisite: GSTR 203, GSTR 210, or sophomore standing*

*Offered: Typically alternate years (next offered Fall 2007)*

An exploration of topics in the philosophy of religion. Possible topics include arguments for and against the existence of God, the nature and attributes of a divine being, and the nature of faith and religious experience. 1 Course

**PHI 218 Symbolic Logic**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of deductive systems, including sentential and predicate logic. Attention to syntax, semantics, and derivations in formal languages. Practical Reasoning (PR). 1 Course

**PHI 224 Free Will and Moral Responsibility**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next expected to be offered in 2008-2009)*

An introduction to fundamental issues about the nature of human choice, the conditions of moral responsibility, and relationships between the two, including philosophic investigations of causation and determinism, whether only humans are able to act other than they do, and the scope of moral responsibility. Attention to classic texts and contemporary philosophic research, writing, and rigorous thinking about the metaphysics of free will and responsibility. 1 Course

**PHI 230 Reflecting on Nature**

*Prerequisite: GSTR 203, GSTR 210, or sophomore standing*

*Offered: Typically alternate years (next offered Fall 2007)*

A course on philosophically informed thinking about the environment. Course explores ways of thinking about the environment, humanity, and other species, focusing on a few environmental problems illustrating fundamental puzzles about the biological sciences, about our responsibilities for nature and for future generations, and about the basis for valuing things human and non-human, living and inanimate. Practical Reasoning (PR). I Course

**PHI 240 Practical Philosophy**

*Prerequisite: GSTR 203, GSTR 210, or sophomore standing*

*Offered: Typically alternate years (next offered 2008-2009)*

An exploration of selected topics in applied and professional ethics, which may include issues in medicine, law, and business, as well as privacy, confidentiality, and other aspects of being a professional.

May be repeated for credit, provided topics differ. Practical Reasoning (PR). 1 Course

**PHI 250 Minds, Brains, and Machines**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered 2008-2009)*

An introduction to the philosophy of mind, examining such questions as whether there could be consciousness after bodily death, whether the mind is anything "over and above" the brain and central nervous system, whether a human-built machine could ever think or be conscious. Attention to classic texts and contemporary philosophic research, writing, and rigorous thinking about the nature of mind and thought.

1 Course

**PHI 305 Classical Philosophy**

*Prerequisite: One PHI course*

*Offered: Typically annually (next offered Fall 2007)*

An examination of philosophy in ancient Greece and the Roman world-texts, ideas, and figures. Emphasis will be placed on the works of Plato and Aristotle. Western History Perspective.

I Course

**PHI 310 Philosophy from Descartes to Kant**

*Prerequisite: One PHI course*

*Offered: Typically alternate years (next offered 2008-2009)*

An examination of European philosophy in the 17th and 18th centuries. Emphasis on the epistemological and metaphysical views of Descartes, Hume, Kant, and Locke.

I Course

**PHI 315 Kant and his Philosophical Legacies**

*Prerequisite: One PHI course*

*Offered: Typically alternate years (next offered Spring 2008)*

An examination of selected philosophic topics, themes, or movements in 19th- and 20th-century European and American philosophy, such as German idealism, American pragmatism, philosophy as analysis, phenomenology and existentialism, and post-modernism. May be repeated for credit, provided topics differ. 1 Course

**PHI 380 Philosophy Seminar I**

*Prerequisite: One 300-level PHI course or permission of instructor*

*Offered: Typically annually (next offered Spring 2008)*

Advanced study in a philosophic area, with an emphasis on careful reading of primary texts. Specific topic and prerequisites announced in the *Schedule of Classes* prior to registration. I Course

**PHI 480 Philosophy Seminar II**

*Prerequisite: PHI 380*

*Offered: Typically annually (next offered Spring 2008)*

Advanced study in a philosophic area, with an emphasis on careful reading of primary texts. Specific topic and prerequisites announced in the *Schedule of Classes* prior to registration. I Course

**PHI 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 to 1 Course*

**PHI 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

**PHI 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**PHI 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

**PHI 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Religion

**REL 101 Wrestling with God: An Introduction to the Scriptures**

*Offered: Typically annually (next offered Fall 2007)*

An inquiry into the basic stories and their texts in the Old and New Testaments. The course will investigate "Wrestling with God" as a dominant narrative theme in biblical literature. Assignments emphasize class reading of texts, several short essays, and preparation of a course workbook. Religion Perspective. I Course

**REL 109 Introduction to Christian Thought**

*Offered: Typically alternate years (next offered 2008-2009)*

A study of the basic Christian practices, beliefs, teachings, and concepts: God, creation, human nature, sin, evil, Christ, salvation, Holy Spirit, community or church, sacraments, ministry, Christian life and morality, last things, scripture, etc. This course will examine both the variety of Christian perspectives on, and the web of relationships between, these various beliefs and practices. Religion Perspective. I Course

**REL 117 An Introduction to World Religions**

*Offered: Typically annually (next offered Spring 2008)*

An examination of various religions with respect to selected themes, such as apocalypticism, sacred space, rites and worship, sacred texts and literature, culture and codes for living, and understandings of the divine. Religion Perspective and World Culture (Non-Western) component of the International Perspective. I Course

**REL 126 Poverty and Justice**

*Offered: Typically alternate years (next offered Fall 2007)*

A study of poverty and homelessness in Appalachia and the world in light of empirical evidence, sacred texts, and social and theological approaches to economic justice, combining experiential and theoretical learning to help students develop an understanding of economic injustice. Religion Perspective. I Course

**REL 200 Myth, Symbol, and Ritual**

*Prerequisite: GSTR 100, GSTR 110, or permission of instructor*

*Offered: Typically annually (next offered Spring 2008)*

An introduction to the academic study of religions, including interactions of myths, symbols, and rituals within religions, examinations of texts and literature, and considerations of cultural settings for religious belief and practice. Religion Perspective. I Course

**REL 205 Introduction to the Old Testament**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2008)*

A survey of the literature, religion, and social history of ancient Israel, using modern historical-critical methods. Attention to understanding the Old Testament within the context of the history and culture of the ancient Near East. Religion Perspective. I Course

**REL 207 Introduction to the New Testament**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered 2008-2009)*

A survey of the literature, religion, and social history of the early Christian movement, using modern historical-critical methods. Attention to understanding how the early Church's worship, teaching, and proclamation shaped the New Testament. Religion Perspective. I Course

**REL 210 Theology in the Arts and Media**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2007)*

An examination of literary and artistic expressions of theological themes, such as creation, the human condition, and justification. Attention to texts and thought, creative dimensions, and examples of literary, artistic, and musical reinterpretations of themes. Arts Perspective. I Course

**REL 211 Women in Religion (WST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered 2008-2009, as an exception)*

A study of the teachings on and participation of women in religion, as well as a study of the status and roles of women in several religious traditions, such as Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, or indigenous religious traditions. Religion Perspective and African Americans', Appalachians', and Women's Perspective. I Course

**REL 215 History of Christianity to 1600 (also HIS)**

*Prerequisite: HIS 101 or 226; or GSTR 220 or sophomore standing*

*Offered: Typically alternate years (next offered Fall 2007)*

*See HIS 215 for course description. Religion Perspective and Western History Perspective. 1 Course*

**REL 218 Voices of Nonviolence**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered 2008-2009)*

An introduction to the experience of nonviolence as expressed in the lives and religious writings of figures such as Mubarak Awad, Dorothy Day, Mahatma Gandhi, Thich Nhat Hanh, Ghaffar Khan, Chan Khong, Martin Luther King Jr., and Jean Vanier. Religion Perspective. 1 Course

**REL 221 The Protestant Reformation and its Legacies**

*Prerequisite: GSTR 220 or sophomore standing*

*Offered: Typically alternate years (next offered 2008-2009, as an exception)*

Introductory study of the Christian theology and ethics of the Protestant Christian Reformations (1517-1650) and their legacies in modernity, post-modernity, and today. Examination of representative doctrinal, moral, social, and political issues; of the lives and teachings of various reformers; and of distinctive Protestant moral and doctrinal teachings as various Christian communities that have sought to reform Christianity in response to the challenges and change in the modern and postmodern worlds. Religion Perspective and Western History Perspective. 1 Course

**REL 223 Theologies of Liberation (WST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2008)*

An exploration of the rise of political liberation theology movements and their critiques of and novel contributions to traditional expressions of Christian theology. Focus on understandings of theory and praxis, race, gender, class dimensions of social analysis, and re-constructions of the concepts of Christ and God. Religion Perspective. 1 Course

**REL 225 Images of Jesus**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically as student interest and faculty availability allow*

An examination of the life and thought of Jesus through study of the Gospels and contemporary historical texts. Exploration of continuing influence of Jesus by study of various forms of art and literature. Religion Perspective. 1 Course

**REL 227 Biblical Themes, Modern Life**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2008)*

A thematically organized approach to studying biblical texts. Attention to ways the Bible may inform theological reflections on selected issues of modern life, such as creation and the environment, social justice, civil discourse, gender, and race, among others. 1 Course

**REL 231 Religions of India and Tibet (AST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of the principal religious traditions of South Asia: Buddhism, Hinduism, Islam, Jainism, and Sikhism. The course includes readings in the classical primary texts of each tradition, as well as attention to ritual and practice. Religion Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**REL 232 Religions of China and Japan (AST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered 2008-2009)*

A study of the principal religious traditions of East Asia: Buddhism, Confucianism, Shinto, and Taoism. The course includes readings in the classical primary texts of each tradition as well as attention to ritual and practice. Religion Perspective and World Culture (Non-Western) component of the International Perspective. I Course

**REL 235 Christian Social Ethics**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered 2008-2009)*

An introduction to methods and resources for ethical analysis, as well as an examination of the basic elements of Christian ethical reflection and a variety of ethical perspectives for decision-making. Special attention will be given to the correlation of theological and biblical insights with contemporary personal and social issues. Religion Perspective and Practical Reasoning (PR). I Course

**REL 240 Islam (HIS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

This introduction to Islam will focus on the formative and contemporary traditions of Islam in an effort to understand the sources and patterns of faith within Islam. Primary emphasis will be placed on the text of the Qur'an and the role of Revelation in the development of Islam. A secondary focus will be on the interrelation of Islamic Traditions and Judeo-Christian Traditions. Religion Perspective and World Culture (Non-Western) component of the International Perspective. I Course

**REL 250 Judaism**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically as student interest and faculty availability allow*

Survey of the literature, thought, and culture of Judaism in its various periods. Emphasis placed on the literature of rabbinical Judaism and on those genre of literature which reinterpret Judaism in its cultural and historical contexts. Religion Perspective. I Course

**REL 260 Buddhism (AST)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2008)*

A study of the history and diversity of Buddhist traditions, from the time of the Buddha in 5th-century BCE India to contemporary Buddhist communities in Asia and the West. Special attention will be given to the problems and prospects of Buddhism in relation to contemporary issues, such as gender and sexuality, ecological change, and the relationship between religion and politics. Religion Perspective and World Culture (Non-Western) component of the International Perspective. I Course

**REL 308 Themes in Asian Traditions (AST)**

*Prerequisite: One AST course*

*Offered: Typically alternate years (next offered 2008-2009)*

A close study of selected texts, practices, or experiences of one or more Asian religious traditions. May be repeated for credit, provided topics vary. I Course

**REL 309 Themes in Abrahamic Traditions**

*Prerequisite: One 200-level REL course*

*Offered: Typically alternate years (next offered 2008-2009)*

A thematic and comparative study of the theologies, beliefs, and practices of three religions sharing roots in the figure of Abraham Christianity, Islam, and Judaism. Attention to the roles of revelation and sacred text, monotheistic ideals, structures of authority, worship and ritual, ethical formation, and relation of the faiths to material culture and political order. 1 Course

**REL 310 Advanced Old Testament Studies**

*Prerequisite: REL 205 or REL 207*

*Offered: Typically alternate years (next offered Spring 2008, as an exception)*

A close study of selected legal, prophetic, or poetic books from the Old Testament period. Special attention given to the ancient Near Eastern material culture relevant to these books. Rotating topics. May be repeated for credit, provided topic varies. 1 Course

**REL 311 Advanced New Testament Studies**

*Prerequisite: REL 205 or REL 207*

*Offered: Typically alternate years (next offered 2008-2009)*

A close study of selected Gospels, epistles, or apocalyptic material from the New Testament period. Special attention will be given to the influence of Greco-Roman thought and Intertestamental Judaism on early Christian writings. Rotating topics. May be repeated for credit, provided topic varies. 1 Course

**REL 312 Themes in Religious Thought and Ethics**

*Prerequisite: One 200-level course in Religion or permission of the instructor*

*Offered: Typically alternate years (first offered Fall 2007)*

An advanced study of selected texts, topics, issues, concepts, or themes in historical or contemporary religious thought and ethics. Course may be repeated for credit, provided topics vary. 1 Course

**REL 480 Seminar in Religion**

*Prerequisite: Senior standing or permission of instructor*

*Offered: Typically annually (next offered Fall 2007)*

This seminar will enable Religion majors to reflect on and integrate their studies within the department and the broad requirements of the core curriculum. The course also will provide opportunities for the student to take part in the interdisciplinary exploration of issues in Religious Studies. Topics considered will be chosen by the seminar in an effort to reflect the interdisciplinary nature of Religious Studies. 1 Course

**REL 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 to 1 Course*

**REL 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**REL 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. I to 3 Courses*

**REL 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

**REL 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. I Course*

## **Physical Education, Health, and Athletics**

**PEH 100 Introduction to Lifetime Wellness**

*Offered: Typically Fall and Spring terms*

Knowledge and physical activities to improve and maintain wellness in College and after. The course brings together several major components: assessment of physical fitness, swimming abilities for survival, study of current information about well ness, and physical activities. Meets three hours each week. Strongly recommended to be taken in the first year. 1/2 Course

**PEH 220 Health and Movement Studies for Elementary Educators**

*Prerequisite: PEH 100*

*Offered: Typically every Fall Term (offered Fall 2007 for IECE majors, and Fall 2008 for prospective P-4 certification majors)*

Study of fundamental movement concepts and the foundations of good health in preparation for helping students in pre-school through grade 5 to understand and apply these concepts. Students will learn to structure age-appropriate movement experiences that encourage self-expression and social interaction, and develop motor skills, as well as convey important health concepts such as the structure and function of the human body and ways to achieve fitness and a healthy lifestyle. They will learn folk dances from a variety of countries and historical time periods, and will develop creative-movement experiences for the purpose of teaching dance vocabulary and processes, and for the purpose of teaching other content through dance. Practical teaching experience with children is included in the course. PEH 220 is limited to those students seeking a degree in Education Studies with Elementary Certification, P-5, or Interdisciplinary Early Childhood Education (IECE) with Teacher Certification (the latter a concentration in the Child and Family Studies Department). NOTE: Noncredit for students who completed PEH 120. 1 Course

### **PEH 330 Extended School Experience for Physical Education Majors and Health Minors**

*Prerequisites: Admission to the Teacher Education Program and satisfactory completion of a major or minor course that has a methods component (chosen from PED 244,245,246,247,250, 251,362, or HLT 315)*

*Offered: Typically every Short Term*

This course is designed as an advanced-level practicum to allow students an opportunity to integrate teaching skills and understandings in a school setting. This experience enables students to compile evidence that they meet the performance indicators> required for admission to Student Teaching. In the course of the practicum, students will be expected to demonstrate the ability to teach in a manner that invites integration with their students, including the ability to formulate and use appropriate and effective questioning strategies. Students also will keep a journal of daily reflections that reveals the depth of their ability to learn from their own teaching. Students will be expected to plan and implement at least one unit (related sequence of lessons) of instruction, including: 1) a completed unit plan with goals and objectives; 2) a supporting rationale; 3) a detailed activity outline; 4) a statement describing modes of assessment and samples of student work; 5) an annotated bibliography of materials and texts for students; and 6) an annotated bibliography of readings done in preparation for teaching the unit. It is expected that students will draw from the materials created in this course for entries in their Education portfolios; therefore, a reflective self-assessment should be included with the unit and a statement of evaluation should be obtained from the cooperating teacher. 1 Course

## **Physical Education**

### **PED 131 Scope of Human Voluntary Movement**

*Offered: Typically every Fall Term*

An introduction to the basic understandings and key concepts of the importance of human movement. Emphasis on the history and philosophies of physical education and the sociology of sport and physical activity. Brief survey of biological and psychological backgrounds of physical education. 1 Course

### **PED 233 Dance in Healing and Therapy**

*Prerequisite: GSTR 100 or 110 AND PSY 100 or SOC 100 or CFS 130*

*Offered: Typically alternate Short Terms (next offered Short Term 2008)*

Dance in Healing and Therapy is designed to introduce the student to: 1) the ways dance and movement can lead to understanding of oneself and of others as thinking, feeling, and sensing beings, and 2) ways dance and movement can be used for personal development for people of varying psychological or emotional abilities. The course is grounded in Laban Movement Analysis, a system widely used in dance and movement as healing and therapy. 1 Course

### **PED 244 Physical Education Activities for the Elementary Child**

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

A study of the theory and principles of movement for the elementary-school child with emphasis on the analysis of basic movement, motor development, low-organizational games, lead-up games for sports, and creative movement. Selection and progression of movement skills and knowledge in relation to teaching physical activity will be introduced. 1 Course

### **PED 245 Dance**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

A comprehensive dance course dealing with basic-movement skills and creative-teaching approaches in social, folk, square, and modern dance. Study of dance as an art form and the place of dance in education will be included. A portion of the class will be directly focused on dance for children, especially creative dance and elementary folk and square dance. Arts Perspective. 1 Course

**PED 246 Individual and Team Sports I**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

Explores tactics, skills, teaching, and coaching methods for badminton, basketball, bowling, soccer, tennis, and track and field. The philosophy of competition and coaching and practical officiating. Individualized teaching procedures will be used. This course will include a two-hour laboratory experience. 1 Course

**PED 247 Individual and Team Sports II**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

Explores tactics, skills, teaching, and coaching methods in archery, football, golf, softball, volleyball, and introduction to racquetball. The philosophy of competition and coaching and practical officiating. Individualized teaching procedures will be used. This course will include a two-hour laboratory experience. 1 Course

**PED 248 World Dance**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2009)*

Explores dance of African and Asian nations in cultural context and in the context of dance of other countries. The goal of the class is to increase understanding and appreciation of the diversity of ways in which individuals, communities, and groups define themselves in movement, and to develop awareness of dance as a form of cultural expression. At the conclusion of the course, students will examine ways in which African and Asian dance styles have influenced American dance and culture. The class will include dancing, video viewing, interviews with international students, reading, and writing of research and analysis papers. Arts Perspective and World Culture (Non-Western) component of the International Perspective. 1 Course

**PED 249 Dancing Through Space and Time**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Spring 2008)*

This course will introduce students to the historical, theoretical, and critical elements of dance. Students will explore the role that dance has played in society throughout history and in contemporary life. Experiences in class will include reading, discussion, video viewing, movement exploration, creative-process activities, and group presentations. Arts Perspective. NOTE: Noncredit for students who completed this course as GSTR 109. 1 Course

**PED 250 Aquatics**

*Prerequisites: Ability to swim several lengths of the pool using more than one stroke, tread water, and retrieve 10 pounds from bottom of the deep end of the pool*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

Provides the student with knowledge, skills, and possible American Red Cross certification in community water safety, lifeguard training, and water-safety instructor to teach swimming to all ages. 1 Course

**PED 251 Gymnastics**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

Provides the student with the knowledge and skills required to teach gymnastics to school-aged children. Material covered will include gymnastics from a skill-theme and movement-concept approach, as well as a more formal/traditional approach. Experiences will include peer teaching, workshop teaching, planning instruction, skill performance, and assessment. 1 Course

**PED 260 Care and Prevention of Athletic Injuries**

*Prerequisite: BIO 101 or permission of instructor*

*Offered: Typically annually (next offered Spring 2008)*

A brief overview of the mechanism, prevention, management, and rehabilitation of athletic injuries. Practical experience include the performance of simple taping procedures to the major joints of the body, along with the recognition of selected health problems related to athletics. In addition, time will be set aside for students to qualify for American Red Cross CPR Certification. NOTE: Noncredit for students who completed PED 309. 1 Course

**PED 280 Adapted Physical Education**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

Will focus on developing knowledge of current concepts and practices in adapted physical education. Course topics will cover assessment, planning, and implementation of physical-education activities for people with unique needs and abilities. 1 Course

**PED 305 Improvisation and Choreography**

*Prerequisite: Berea College Dance experience or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

Students will use movement improvisation to explore themes and ideas, will use movement discovered through improvisation to create choreography, and will engage in thoughtful reflection on the work they are doing. Arts Perspective. 1 Course

**PED 343 Exercise Physiology**

*Prerequisites: Completion or waiver of MAT012; BIO 101; and GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007)*

Human anatomical systems and their physiological functions with special emphasis on the muscular, nervous, skeletal, circulatory, and respiratory systems as they apply to physical activity. Immediate and long-term effects of physical exercise on the human body. Analysis of techniques related to physical-fitness evaluation, conditioning, and training principles; and current research in exercise physiology. 1 Course

**PED 353 Kinesiology and Biomechanics**

*Prerequisites: Completion or waiver of MAT 012; BIO 101; and GSTR 100*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

The study of joint and muscle function and the mechanical principles governing human motion. Anatomical and mechanical analysis of physical-education activities and basic skills. Fundamentals of body mechanics, statics, and dynamics; and analysis of human motion. 1 Course

### **PED 355 Leadership and Program Development**

*Prerequisites: Junior standing and successful completion of three PED major courses*

*Offered: Typically alternate Fall Terms (next offered Fall 2009)*

An introduction to principles and techniques of leadership and management in wellness, recreational, and physical-education settings. Students will learn fundamental concepts for program planning, development, implementation, and assessment; board development; community relations, program marketing, and development of a participant base; fiscal management; facilities; equipment; and resource planning, acquisition, and evaluation. The class takes a practical, hands-on approach. 1/2 Course

### **PED 360 Advanced Athletic Training**

*Prerequisites: BIO 101 and PED 260 (formerly 309)*

*Offered: Typically every third year (next offered 2008-2009)*

Will provide those students interested in athletic training, physical therapy, or other sports-medicine fields with advanced knowledge and skills relating to sports medicine. Content will include administrative tasks, legal aspects, pharmacology, therapeutic modalities, evaluation skills, and rehabilitation protocols, as well as other related topics. 1 Course

### **PED 362 Teaching and Evaluation in Physical Education**

*Prerequisites: Completion or waiver of MAT 012; completion of two PED major courses*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

Theory of curriculum design and theory and application of various teaching strategies and methods for Physical Education, with P-12 Certification majors. Introduction to basic statistical procedures. A review of evaluative techniques for individual and program accomplishments. 1 Course

### **PED 364 Motor Learning and Psychology of Sport & Physical Activity**

*Prerequisites: Completion or waiver of MAT 012; PED 343; and BIO 101*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

The study of the principles of motor learning and the variables affecting the learning process, motor-development theory, the integration of neuro-physiological and behavioral information, and the psychological theories and techniques for the enhancement of sport and physical-activity performance. 1 Course

### **PED 444 Exercise Assessment and Prescription**

*Prerequisites: Completion or waiver of MAT 012; BIO 101; and PED 343*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

This course will provide students with the knowledge to understand the link between exercise, health, and disease. The information presented in the course will cover appropriate tools for assessing fitness and developing prescriptive exercise programs. The course content will include: 1) study of assessment techniques for all components of fitness; 2) application of assessment tools for various populations; 3) interpretation of assessment results; and 4) development of exercise programs based upon the assessment outcomes. **NOTE:** Noncredit for students who completed this course as PED 344. 1 Course

### **PED 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

### **PED 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PED 492 Physical Education Seminar**

*Prerequisites: BIO 101; either PED 343, 353, or 364; and one additional PED major course; junior or senior standing*

*Offered: Typically every Spring Term*

Emphasizes exploration of professional opportunities and scientific investigation in the field of physical education. Students explore areas of personal career interest, prepare a review of recent literature or a paper based on their primary research, and make a formal oral presentation. Discussion and evaluation of oral reports and presentations by resource persons are included. Required of all Physical Education majors. 1/2 Course

**PED 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**PED 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PED 398/498 Directed Study**

*Prerequisite: Will vary but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

**PED 200 Survival Swimming**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

Designed for individuals who have had no previous experience in swimming or those whose skills are so poorly developed that they would be at risk in most aquatic situations. The course emphasizes elementary strokes, survival flotation, treading, finning, sculling, water entry, and on-land rescues. Class meets three hours each week. 1/4 Course

**PED 203 Individualized Physical Education**

*Prerequisites: PEH 100 and approval of the Department Chairperson and College Health Service*

*Offered: Typically annually (next offered Spring 2008)*

Intended for those students who are unable, for medical reasons, to take any of the general PED activity courses. An individual program will be developed by the Physical Education, Health, and Athletics Department. 1/4 Course

### **PED 206 Concentration Intercollegiate Team Competition**

*Prerequisite: Permission of instructor*

*Offered: Typically varies depending on sport*

Limit of one 206 credit for a particular sport. Minimum requirement of 75-percent participation and special knowledge evaluation. Coaches will use their discretion relative to persons who are injured and credit for the course. Students must register for the course in all terms for which a particular sport is scheduled. For example, intercollegiate basketball is scheduled during both Fall and Spring Terms. Students must be registered for PED 206G or 206H during both terms to receive the 1/4 credit. Students must register by specific section as follows:

- 206 A. Soccer - Men
- 206 B. Soccer - Women
- 206 C. Tennis - Women
- 206 D. Cross Country - Men and Women
- 206 E. Swimming - Men and Women
- 206 F. Volleyball - Women
- 206 G. Basketball - Women
- 206 H. Basketball- Men (see above note)
- 206 I. Track and Field - Men
- 206 J. Track and Field - Women
- 206 K. Tennis - Men
- 206 L. Baseball
- 206 M. Golf
- 206 N. Softball - Women
- 1/4 Course Each

### **PED 206Y Modern Dance Troupe**

*Prerequisites: One full year of membership in the Modern Dance Troupe and permission of instructor*

*Offered: Typically Fall and Spring terms*

To receive credit, students must participate for one regular term, perform in the Modern Dance Concert, and participate in organizing and carrying it out. Limit of one regular-term PED 206Y for each student toward meeting the requirement for two 1/4-credit PED activity courses. 1/4 Course

### **PED 206Z Country Dancers**

*Prerequisites: One full year of previous membership in Country Dancers and permission of instructor*

*Offered: Typically Fall and Spring terms*

Participation is required for one regular term to receive credit. Membership selected by tryouts. Limit of one regular term PED 206Z for each student toward meeting the requirement for two 1/4-credit PED-activity courses. 1/4 Course

### **PED 209 Advanced Beginners and Intermediate Swimming**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

This course is designed for individuals who are already comfortable with basic survival and swimming skills, in shallow and deep water. Students will refine strokes, preparing student for swimming for fitness or for novice competition. The course includes a variety of water sports and activities. 1/4 Course

**PED 211 Self Defense and Martial Arts I**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*  
1/4 Course

**PED 213 Golf**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course introduces the fundamental skills and knowledge to play golf at the beginning level. Students will learn basic swings, learn rules, etiquette, and strategies. They will develop and improve personal physical fitness and prepare for participation in golf as a lifetime sport. NOTE: Not open to students who have received credit for PED 206M. Course Fee: \$5. 1/4 Course

**PED 214 Badminton and Tennis**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course exposes student to the fundamental skills and knowledge of beginning badminton and tennis, and an appreciation for the lifetime recreational value of both sports. NOTE: Not open to students who have received credit for PED 206C or 206K. 1/4 Course

**PED 215 Aerobic Dance**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

Aerobic Dance develops aerobic fitness through rhythmic movements and dance. It emphasizes learning dynamic movement and doing whole body workouts. 1/4 Course

**PED 216 Body Recall**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically annually (next offered Fall 2007)*

Body Recall is an intergenerational and educational exercise experience. It is a program that is specifically developed to fit people of all ages and physical abilities, improving strength, flexibility, and balance. The slow and smooth exercises used help to reclaim range of movement that is pain free and possible, making living more pleasurable. Exercises are performed seated or standing, and make use of various equipment, such as balls, wands, and parachutes. 1 1/4 Course

**PED 217 Walking for Fitness**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course is designed for individuals who would choose walking as a form of exercise for lifelong physical fitness. Initially, the class will start their walking program at a moderate fitness level and later develop form that is appropriate for vigorous training. 1/4 Course

**PED 218 Weight Training**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

This course exposes the student to fundamental skills and knowledge of weight training and physical conditioning. Students learn to use equipment in the weight room and to develop a personal training program for lifetime fitness. 1/4 Course

### **PED 219 Advanced Swimming and Aquatic Arts**

*Prerequisite: PED 209 or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

This course is designed to give students an introduction to the theory and practice of Aquatic Art. This course seeks to enhance knowledge of, and appreciation for, the aesthetics of the body, water and aquatic resources through artistic expression. Students will receive instruction in Aquatic Art vocabulary and performance. Following skill acquisition, students will apply their skills in the form of individual and group compositions. NOTE: Noncredit for students who took PED 308 during Short Term. 1/4 Course

### **PED 220 Stress Management**

*Prerequisite: PEH 100 or equivalent; or permission of instructor*

*Offered: Typically Fall and Spring terms*

Introductory course designed to expose students to a holistic approach to stress management, including basic principles, theories, and relaxation techniques to effectively manage personal stress, and to assist students in understanding and managing stress as it relates to personal health and lifestyle in the areas of stress sources, responses, reduction, burnout, and prevention. Students taking this course will assess their own stress levels, and design personal dynamic stress interventions optimizing health. The course meets three hours each week. 1/4 Course

### **PED 221 Weight Management**

*Prerequisite: PEH 100 or equivalent; or permission of instructor*

*Offered: Typically annually (next offered Spring 2008)*

Introduction to weight management with an emphasis on the importance of physical activity and healthful nutritional habits throughout one's lifetime. Topics will include the following: obesity, low body weight, eating disorders, physiology of weight gain/loss, exercise as the key to weight management, healthy weight gain, weight-loss myths/quackery, influence of the media on body image, losing/gaining weight in a healthy or sensible way, and nutritional aspects of weight management. 1/4 Course

### **PED 222 Water Fitness**

*Prerequisite: PEH 100 or equivalent; or permission of instructor*

*Offered: Typically Fall and Spring terms*

Students will explore varied water activities/exercises and then choose the ones desirable for them that can lead to the intrinsic improvement of fitness components and promote the extrinsic benefits of water exercise. The exercises generally are done in a vertical position and always with the face and head out of the water in shallow water and/or with flotation in deep water. There will be information on fitness swimming, but students do not have to be able to swim to take the class. 1/4 Course

### **PED 223A Outdoor Adventure Activities I**

*Prerequisite: PEH 100 or equivalent; or permission of instructor*

*Offered: Typically every Fall Term*

Introductory course designed to expose students to a variety of lifetime activities very different from traditional activities. Basic skills; equipment needs and selection; safety and etiquette; maintenance and repairs; and environmental awareness and minimal impact concerns will be presented. The types of activities offered will vary. PED 223A activities will include (but are not limited to) archery, cycling, canoeing, and cold-weather backpacking/hiking. Some of these activities will require participation in some day, overnight, and/or early-morning outings. 1/4 Course

### **PED 223B Outdoor Adventure Activities II**

*Prerequisite: PEH 100 or equivalent; or permission of instructor*

*Offered: Typically every Spring Term*

Introductory course designed to expose students to a variety of lifetime activities very different from traditional activities. Basic skills; equipment needs and selection; safety and etiquette; maintenance and repairs; and environmental awareness and minimal impact concerns will be presented. The types of activities offered will vary. PED 223B activities will include (but are not limited to) cooperative activities/games, fly fishing, disc golf, orienteering, and circus arts (juggling, stilt walking, unicycling, and yo-yoing). Some of these activities will require participation in some day, overnight, and/or early-morning outings. 1/4 Course

### **PED 224 Modern Dance I**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

An introduction to contemporary concert dance technique and performance. Students will actively participate in dance classes three hours each week, developing facility of movement, and learning modern-dance technique and improvisation, as well as basic principles of choreography. The goal of the class is to develop dance skills and to prepare the student for future participation in modern dance as a lifelong activity. 1/4 Course

### **PED 226 Racquetball**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically Fall and Spring terms*

Students will develop racquetball knowledge and skills which will enable them to engage in this lifetime activity. They will learn offensive and defensive strokes, rules, and strategies. 1/4 Course

### **PED 227 Movement for the Stage**

*Prerequisite: PEH 100*

*Offered: Typically alternate years (next offered Spring 2009)*

Studies and exercises to aid the acting student or vocal performer in understanding the physical aspects of character: physical and emotional energy flow, body placement, use of space, and relationship with other performers. 1/4 Course

### **PED 228 Social and Folk Dance**

*Prerequisite: PEH 100 or equivalent; or permission of instructor*

*Offered: Typically annually (next offered Fall 2007)*

An introduction to popular forms and styles of social dance and folk dance, and folk dance forms from around the world. Students will actively participate in Dance classes three hours each week, learning skills and styles of couple dances, such as waltz, swing, and polka, and of group dances, such as contra and square dance. The goal of the class is to prepare students for a lifetime of participation in social and folk dance. 1/4 Course

### **PED 229 Beginning Jazz Dance**

*Prerequisite: PEH 100*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

This course is designed to introduce the beginning Dance student to jazz dance. The content of the course will include a brief look at the roots of jazz dance, jazz dance in relationship to jazz music, and the various jazz dance styles including popular, old-style, blues, and modern. 1/4 Course

**PED 230 Beginning Ballet**

*Prerequisite: PEH 100*

*Offered: Typically alternate Spring Terms (next offered Spring 2009)*

This course is designed to introduce the beginning Dance student to ballet technique. The content of the class will include a brief history of ballet, basic information about ballet as an art form, using ballet as a means to improve body awareness and alignment, and using ballet technique. 1/4 Course

**PED 231 Self Defense and Martial Arts II**

*Prerequisite: PEH 100 or PED 211 or equivalent; or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course offers intermediate-level instruction in traditional Kung-Fu forms consisting of offensive and defensive maneuvers in a series of block, kicks, strikes, and formal stances. The forms have practical self-defense applications, and will enhance mental and physical focus, balance, cardiovascular health, strength, agility, and coordination. Instruction also includes hand-to-hand defense techniques, ground defense, and information on concentration, relaxation, and assault prevention. 1/4 Course

**PED 234 Gymnastics**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically every Fall Term*

In this course, students will learn basic gymnastic skills, with emphasis on the development of personal skills and active participation in class. Students will be introduced to injury prevention and treatment, resistance training related to gymnastics and proper warm-up techniques. 1/4 Course

**PED 236 Volleyball and Recreation Games**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically every Fall Term*

This course provides the student with basic knowledge and practice of several recreational games, which may include volleyball, wally ball, frisbee golf, ultimate frisbee, croquet, pickle-ball, racquetball, and scooter soccer, and darts. It provides a variety of activities which the student may continue to enjoy with friends and family beyond the semester in the pursuit of lifetime wellness. NOTE: Not open to students who have completed PED 206F. 1/4 Course

**PED 237 Hiking and Campcraft**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically every Spring Term*

This course is designed to familiarize students with the outdoors through a variety of activities. Hiking, backpacking and camping techniques will be introduced along with lessons in survival skills. 1/4 Course

**PED 238 Fencing**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

This course introduces students to good fencing skill performance, including attack and defense strategies, as well as safety and etiquette and the courtesies of fencing. 1/4 Course

**PED 310 Advanced Swimming-Lifeguard Training**

*Prerequisite: PED 209 or proficiency above intermediate course or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008, as an exception)*

This course guides refinement of swimming skills selected to increase preparedness for Lifeguard training. This course provides instruction of American Red Cross (ARC) Lifeguard Training skills (also including CPR for the Professional Rescuer, use of an Automated External Defibrillator and First Aid). 1/4 Course

### **PED 332 Modern Dance II**

*Prerequisite: PEH 100 and PED 224 or permission of instructor*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

Designed for the student who has had some previous experience in Modern Dance (or has taken PED 224), this course will continue to explore the body as an instrument of expression and how to broaden one's movement range in doing so. The course will consist of experiences in body awareness, technique, improvisation/exploration, and performance. 1/4 Course

## **Health**

### **HLT 109 Comprehensive First Aid**

*Prerequisite: PEH 100 or permission of instructor*

*Offered: Typically annually (next offered Fall 2008)*

A comprehensive course in the latest techniques and procedures in meeting accident and illness emergencies, such as stoppage of breathing, cardiac arrest, airway obstruction, severe bleeding, poisoning, fractures, burns, shock, heat or cold related emergencies, seizures, and sudden illness. Two American Red Cross certificates--Community CPR and Community First Aid and Safety--can be earned. Course Fee: \$5. NOTE: Noncredit for students who completed this course as PED 209. 1 Course

### **HLT 111 Human Sexuality**

*Offered: Typically alternate years (next offered Spring 2008)*

This course examines the biological, psychological, social, and ethical factors that affect human sexuality and interpersonal relationships. Through lecture, small- and large-group discussions, debates, audiovisuals, guest speakers, and directed reading assignments, the focus will be on reality-oriented sexual behavior and attitudes, needs, and interests of college students; positive satisfaction, obligations, and responsibilities to self and others; sexual deviance; influence of society; and changing mores, roles, and lifestyles. Special emphasis will be on examining one's own values. The intent is to educate, not to indoctrinate. 1 Course

### **HLT 210 Health in Appalachia (APS)**

*Prerequisites: PEH 100 or permission; and GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007)*

This course explores various dimensions of the environment that impact the health of individuals and the communities in which they live within the Appalachian region. Topics addressed include: education, religion, industrialization, economic development, access to health care, sexuality, domestic violence, race and ethnicity, and substance abuse. This class is designed for the non-professional interested in the health needs of all people living in the Appalachian region and will include directed readings, lectures, discussions, films, guest speakers, and field trips. African Americans', Appalachians', and Women's Perspective. 1 Course

### **HLT 215 Significant Issues in Personal Health**

*Offered: Typically annually (next offered Spring 2008)*

This course is a study of health education and health promotion as it relates to person health and well-being. Among the topics included for exploration will be the meaning of health and wholeness, history of health education and health promotion, and theories and models for learning and behavior change. The knowledge is applicable to students for affecting change on an individual basis and within their community. This serves as the introductory course for students entering the Health Minor. NOTE: Noncredit for students who completed HLT 115. 1 Course

**HLT 224 Addiction and Violence in the Family**

*Prerequisites: PEH 100 or permission; and GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered in 2008-2009)*

This course explores family dynamics from a family systems perspective and examines how those dynamics are affected by addiction and violence. Topics include impact on children and their future relationships, domestic violence, trauma healing, prevention, intervention, and treatment options. 1 Course

**HLT 315 Health Education**

*Prerequisites: PEH 100; GSTR 100 or GSTR 110; and one other HLT course*

*Offered: Typically alternate years (next offered 2008-2009)*

Stressing psychological, social, and physical implications, the major emphases of this course are: creative teaching; introduction to philosophy/history of health education; and of community health and applications of certain priority topics (mental health, family life and sex education, substance-abuse education, health care and disease control, and others) at both the elementary and secondary levels (P-12). Stresses the need for developing positive health behavior and health-education programs that are health-related rather than disease-oriented. I Course

**HLT 318 Emotional and Mental Health**

*Prerequisites: PEH 100; GSTR 100 or GSTR 110; and HLT 115*

*Offered: Typically alternate years (next offered Short Term 2009)*

A study of the mind and body connection to holistic health. Strategies an individual can use to attain positive emotional and mental health through awareness of cognition, early experiences, and self-concept/self-esteem, and belief systems. The course also will review the impact of emotional and psychological abuse, self-esteem, loss and transitions, and Suicide prevention, intervention, and postvention. This course is designed to be educational, not therapeutic. 1 Course

**HLT 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or I Course*

**HLT 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**HLT 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**HLT 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

### **HLT 398/498 Directed Study**

*Prerequisite: Will Vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Physics**

### **PHY 111 Introduction to Astronomy**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically every Fall Term*

This course will explore topics in modern astronomy, including the formation of the solar system, the lives and deaths of stars, the structure of the galaxy, and the origin and evolution of the universe. Both lecture and lab will emphasize a hands-on approach to understanding the underlying physical principles that govern astronomy. Three one-hour lecture periods and one two-hour laboratory each week. Practical Reasoning with Quantitative Emphasis (PRQ). Course Fee: \$20. I Course

### **PHY 217 General Physics I with Algebra**

*Prerequisite: Completion or waiver of MAT 110 (no longer offered at Berea) or MAT 115 (or concurrent enrollment)*

*Offered: Typically every Fall Term*

First half of a two-course sequence stressing the basic concepts of physics and problem solving, suitable for the student intending to major in the physical sciences, as well as for students in the life sciences and arts who seek a liberal-arts course in classical and modern physics. Topics include Newtonian Mechanics, wave motion, heat and energy, fluids, and kinetic theory. Three one-hour periods each week and one two-hour period for discussion or laboratory work. I Course

### **PHY 218 General Physics II with Algebra**

*Prerequisite: PHY 217; completion or waiver of MAT 125 (or concurrent enrollment); or permission of instructor*

*Offered: Typically every Spring Term*

Second half of the introductory physics sequence. Topics include electricity & magnetism, electric circuits, light and optics, radioactivity, and the structure of atoms. Three one-hour periods each week plus one two-hour period for discussion or laboratory work, where appropriate. I Course

### **PHY 315 Introductory Physics I with Calculus**

*Prerequisite: MAT 135 (formerly 220) or concurrent enrollment*

*Offered: Typically every Fall Term*

This is the first half of a two-course sequence in classical physics with calculus. The focus of the first semester is classical mechanics, with emphasis on the relationship between force, momentum, and energy. Topics to be covered include Newtonian dynamics, fundamental forces, conservation of momentum and energy, and rotational motion. Three one-hour lectures and one two-hour laboratory each week. 1 Course

### **PHY 316 Introductory Physics II with Calculus**

*Prerequisites: PHY 315 and MAT 225, or concurrent enrollment*

*Offered: Typically every Spring Term*

A continuation of the introductory sequence in classical physics with calculus. The second semester will focus on the phenomena of electromagnetism and waves. Topics include wave motion, electrostatics, electric and magnetic fields, fundamentals of DC circuits, and electromagnetism. Three one-hour lectures and one two-hour laboratory each week. 1 Course

**PHY 320 Modern Physics**

*Prerequisites: PHY 316 and MAT 135 (formerly 220); or permission of instructor*

*Offered: Typically annually (next offered Spring 2008)*

This course provides an introduction to topics in 20<sup>th</sup> century physics including relativity, introductory quantum mechanics, atomic and nuclear physics. Other topics of interest may be covered as time allows. Four one-hour lectures each week. 1 Course

**PHY 325 Mathematical Methods in Physics I**

*Prerequisites: PHY 315 and MAT 135 (formerly 220), or concurrent enrollment; or permission of instructor*

*Offered: Typically every Fall Term*

This course stresses applications of Mathematical methods and techniques to Physics that are needed in the physical sciences. Topics generally include: simple functions of applied math, quadratic and higher-power equations, simultaneous equations, matrices, determinants, eigenvalues and eigenvectors, geometry, vectors, complex numbers, series and approximations, differential operators, and simple integration. Four hours of lectures each week. I Course

**PHY 330 Mathematical Methods in Physics II**

*Prerequisites: PHY 325 and MAT 225; or permission of instructor*

*Offered: Typically every Spring Term*

A course of applied mathematics and techniques often required in physics. Topics may vary, but will generally include partial differential equations and boundary value problems, Fourier analysis and integral transforms, complex integration, group representations, matrices, and determinants. Four hours of lectures each week. 1 Course

**PHY 335 Physical Optics**

*Prerequisites: PHY 316 or permission of instructor; and MAT 225*

*Offered: Typically as student interest and faculty availability allow*

The wave nature of light is presented and optical phenomena explained in terms of the model. Modern topics in optics revolving around the laser are included. Three one-hour lectures and one two-hour laboratory session each week. I Course

**PHY 341 Advanced General Laboratory**

*Prerequisite: PHY 218*

*Offered: Typically as student interest and faculty availability allow*

A laboratory course dealing with some of the important experimental techniques in modern physics involving experience with such things as vacuum systems; electronic design and shop construction; classical experiments in contemporary physics; and independent research projects. One three-hour laboratory session each week. May be repeated for credit for sequential or differing learning experiences. 1/4 Course

**PHY 365 Thermal Physics**

*Prerequisites: PHY 315 and MAT 225; or permission of instructor*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2008)*

An intermediate course covering classical thermodynamics and the methods of statistical mechanics. Topics covered include the first and second laws of thermodynamics, with applications, statistical theory of entropy, and classical and quantum ensembles. Four one-hour lectures each week. I Course

**PHY 460 Electromagnetic Theory**

*Prerequisites: PHY 316 and MAT 330; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

An introduction to the fundamentals of classical electricity and magnetism and electromagnetic waves. Emphasizing vector analysis and the laws of Coulomb, Faraday, and Ampere, leading to the development of Maxwell's Theory. Four one-hour lectures each week. I Course

**PHY 481 Classical Mechanics**

*Prerequisites: PHY 315 and MAT 330*

*Offered: Typically alternate years (next offered Fall 2007, as an exception)*

A course covering topics in Newtonian and Lagrangian Mechanics. Topics include rectilinear motion, oscillations, three-dimensional motion, central forces, generalized coordinates and momenta, and Lagrange multipliers. I Course

**PHY 482 Quantum Physics**

*Prerequisites: PHY 320 and 481; or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

An intermediate course in quantum mechanics, with applications. Topics include Schrodinger's equation, particle in a box, the harmonic oscillator, the hydrogen atom, perturbation theory, and the WKB approximation. Four one-hour lectures each week. I Course

**PHY 485 Introduction to Solid-State Physics**

*Prerequisites: PHY 315, 316, and 320; or permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

This course provides an introduction to the area of solid-state physics. Topics to be covered include crystal structure; diffraction of waves by crystals; thermal properties of solids; dielectric properties of solids; free electron model of metals; band theory; magnetism and magnetic resonance; and superconductivity. Four one-hour lectures each week. I Course

**PHY 186/286/386/486 Special Topics**

*Prerequisites: Determined by course instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. NOTE: Studies in a specialized area of instructor's and student's interest, such as solid-state physics, thermodynamics, quantum mechanics, optics, radiation physics, etc. Laboratory and discussion sessions will be stressed, with students largely responsible for the progress of the course. 1/2 or I Course*

**PHY 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

**PHY 492 Physics Seminar**

*Prerequisite: Senior standing or permission of instructor*

*Offered: Typically annually (offered both Fall 2007 and Spring 2008, as an exception)*

A course centered around readings, experiments, and research on topics approved by departmental faculty. The seminar emphasizes oral presentations, discussion, and preparation of written reports. Normally taken in the senior year, it is open to other advanced students with permission. 1/4 Course

**PHY 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**PHY 397/497 A or B Team-Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PHY 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## Political Science

**PSC 100 Introduction to the Study of Politics**

*Prerequisite: Completion or waiver of MAT 010*

*Offered: Typically Fall and Spring terms*

A broad survey of the major questions and principles involved in the study of politics. Social Science Perspective. I Course

**PSC 110 American Government**

*Prerequisite: Completion or waiver of MAT 010*

*Offered: Typically Fall and Spring terms*

An analysis of the basic structures, processes, and contemporary problems of American federal government. Social Science Perspective. I Course

**PSC 201 American Political Thought (HIS)**

*Offered: Typically as student interest and faculty availability allow*

A study of American political thinkers from the Puritans to the present. I Course

**PSC 202 Women and African Americans in Politics (AFR & WST)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

A study of the participation of women and African Americans in the American political process. Theories of representative democracy and an introduction to the historical struggles for equal rights provide a context for the investigation of contemporary electoral politics, governance, grassroots politics, and public policy. Students examine the progress of women and African American candidates, and of related public-policy issues, throughout the current election and its immediate aftermath. African Americans', Appalachians', and Women's Perspective. NOTE: In order to receive African and African American Studies or Women's Studies major or minor credit, the student's major project must focus on African Americans or women, respectively. I Course

**PSC 204 Classical Political Philosophy (PHI)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2008)*

An examination of Greek, Roman, and Christian thinking about law, justice, and political community, including works by Plato, Aristotle, Cicero, and Thomas Aquinas, among others. Western History Perspective and Practical Reasoning (PR). I Course

**PSC 207 Human Rights, International Law (PHI)**

*Prerequisite: GSTR 220 or sophomore standing*

*Offered: Typically alternate years (next offered Spring 2008, as an exception)*

A philosophic examination of moral and philosophic issues involving the nature of law and rights, theories of just and unjust war, views of state sovereignty, and the international community. Thematic focus on legal and moral questions about uses of force in humanitarian interventions to address violations of human rights. Attention to classic and contemporary philosophic texts, relevant legal documents, and some basic structures of state and international order. Practical Reasoning (PR) and World Culture (Western) component of the International Perspective. I Course

**PSC 209 Freedom, Law, and the Modern State (PHI)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2007)*

An examination of some distinctive ways of thinking about law, freedom, and the state since the Reformation, including the social contract views of Hobbes, Locke, and Rousseau, utilitarianism, Marx, 19th-century historicism, and 20th-century pragmatism. Western History Perspective and Practical Reasoning (PR). I Course

**PSC 220 Comparative Political Systems**

*Prerequisite: PSC 100 or permission of instructor*

*Offered: Typically every year (next offered Spring 2008)*

An analytical and comparative study of the structure and dynamics of various political systems in the world such as parliamentary, authoritarian, and totalitarian types, using selected countries as examples. NOTE: Noncredit for students who completed PSC 320. I Course

**PSC 235 Research Methods**

*Prerequisite: MAT 104 or permission of instructor*

*Offered: Typically every Spring Term*

An introduction to the methods and techniques of the scientific analysis of political phenomena. Includes study of research design and execution, paper writing, and the logic of quantitative analysis. NOTE: Noncredit for students who completed PSC 335. I Course

**PSC 250 International Relations**

*Prerequisite: PSC 100 or permission of instructor*

*Offered: Typically every Fall Term*

The relationships among the various nations-states with reference to matters of policy and power. Emphasis is placed on the political, social, economic, and psychological forces that determine the nature of contemporary international relations. NOTE: Noncredit for students who completed PSC 350. I Course

### **PSC 314 American Constitutional Law**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered 2008-2009)*

An examination of the principles of American constitutional law. The course focuses on major opinions of the U.S. Supreme Court and of lower courts. Some descriptive and supplemental analysis of judicial and constitutional policy-making. 1 Course

### **PSC 315 Legislative Process**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered 2008-2009, usually in rotation with PSC 316 and 317)*

An analysis of the role of Congress in the American political system. Specific attention is given to the theories of representation, the character of legislative institutions, the participants and processes of lawmaking, and legislative decision-making. 1 Course

### **PSC 316 The American Presidency**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered 2009-2010, usually in rotation with PSC 315 and 317)*

An examination of the President's place in national politics. Major topics include the development and exercise of formal and informal powers, problems in presidential selection, forms of political and administrative leadership, and the relationship between the presidency and the mass public, media, Congress, and courts. 1 Course

### **PSC 317 The Judicial Process**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered Spring 2008, usually in rotation with PSC 315 and 316)*

The organization, functioning, and political role of the courts and the legal process in the United States. Detailed attention is given to theories of adjudication, staffing, judicial decision-making, and judicial review. 1 Course

### **PSC 318 Political Parties and Interest Groups**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next expected to be offered Fall 2008)*

An examination of political parties and interest groups in the United States, two types of political organization whose activities link citizens with government. Special attention is given to the involvement of citizens in these parties and interest groups, and the activities of these organizations in elections and government. 1 Course

### **PSC 319 Citizen Politics**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered 2008-2009)*

Individual-level politics in the mass society. Topics include socialization, public opinion, political participation, political communications and persuasion, and voting behavior. 1 Course

### **PSC 325 Public Administration and Public Policy**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered Fall 2007)*

An introduction to the study of human behavior in public organizations covering such areas as the role of administrative agencies and commissions, the Office of Management and Budget, and other administrative bureaucracies that help determine the outcome of political decisions. Specific policy areas will be explored to discuss the role bureaucratic organizations play in the policy-making process of public administration. 1 Course

**PSC 330 State and Local Government and Politics**

*Prerequisite: PSC 110 or permission of instructor*

*Offered: Typically every third year (next offered Fall 2007)*

An introduction to the structures, processes, and contemporary problems in the sub-national politics and intergovernmental relationships. Emphasis will be placed on student field work wherever possible. 1 Course

**PSC 351 International Organizations**

*Prerequisite: PSC 250 (formerly 350)*

*Offered: Typically alternate Fall Terms (next offered Fall 2007)*

An analysis of the development and evolution of modern international organizations, and the problems and prospects of international integration. Focus on the United Nations system. 1 Course

**PSC 352 The Politics of Developing Nations**

*Prerequisite: PSC 220 (formerly 320)*

*Offered: Typically alternate Spring Terms (next offered Spring 2008)*

A comparative analysis of the dynamics of politics and change in certain areas of the Third World, focusing on issues and strategies for effecting political stability and development. 1 Course

**PSC 355 Foreign Policy Analysis**

*Prerequisite: PSC 250 (formerly 350)*

*Offered: Typically alternate years (next offered 2008-2009)*

An examination of forces, structures, and processes that affect foreign-policy formulation. Emphasis on U.S. foreign policy. 1 Course

**PSC 460 Problems in Politics**

*Prerequisite: Permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

An advanced seminar with readings and papers centered around various topics to be designated at the time of registration. May be repeated, provided the topic is not repeated. NOTE: See *Schedule of Classes* for current topics and prerequisites. 1 Course

**PSC 480 Senior Research Seminar**

*Prerequisites for Political Science majors: Senior standing; PSC 235 (formerly 335); and one PSC 300-level course in research area*

*Prerequisites for non-majors: Two introductory PSC courses and one advanced PSC course and permission of instructor*

*Offered: Typically every Fall Term*

An advanced seminar normally taken in the senior year, with readings and research papers centered around topics approved by the instructor(s). Students will be required to develop and carry out a mature research design, and to present and defend the paper both in writing and before the seminar. 1 Course

**PSC 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**PSC 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PSC 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**PSC 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See pp. 48 of this Catalog. 1 Course*

**PSC 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Psychology**

**PSY 100 General Psychology**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms*

A systematic introduction to psychology as a science. Social Science Perspective. 1 Course

**PSY 211 Abnormal Psychology**

*Prerequisite: Any course that meets the Social Science Perspective (inc PSY 100)*

*Offered: Typically every Fall Term*

This course provides an introduction to the field of abnormal psychology and mental health. Students who take this course will have the opportunity, through class discussions, readings, and community-based service-learning experiences, to explore the history and complexities of mental health and mental illness, including the impact felt by individuals, families, and society. The course begins with a look at the history of mental illness, including the early theories that have fueled many of the current beliefs and stereotypes. Next, we survey the various methods for diagnosing and studying mental illness, with an emphasis on empirical methodology and theoretical conceptualizations. Finally, the course explores the various forms of mental disorders, paying particular attention to the numerous complexities involved in their prevention, identification, and treatment. NOTE: Noncredit for students who completed PSY 311.

1 Course

**PSY 212 Behavioral Neuroscience with Laboratory**

*Prerequisite: PSY 100 or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

A study of the physiological basis of human and animal behavior. Examination of traditional approaches to the study of behavioral neuroscience, as well as consideration of recent developments and relevance to both normal and abnormal behavior will be included. The laboratory includes neuroanatomical dissection and examination of a sheep brain; examination of human brain sections; several electrophysiological studies of neural and sensory functions using invertebrates; and measurement and analysis of human physiological responses to psychological variables, such as stress. NOTE: Noncredit for students who completed PSY 312. 1 Course

**PSY 205 Statistics for Psychology**

*Prerequisites: PSY 100 and completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms*

Instruction in the use of statistics in psychological research with particular emphasis on knowing the conditions under which various tests are used. Considerable attention also is devoted to computer usage for statistics and data analysis. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who completed PSY 305. 1 Course

**PSY 207 Principles of Learning with Laboratory**

*Prerequisite: PSY 100*

*Offered: Typically in alternate years (next offered Fall 2008)*

An examination of traditional learning theory as it has been developed through the use of operant and classical conditioning techniques. The course will draw heavily on research findings from animal studies but also will discuss the application of those findings to human behavior modification, psychopathology, addiction, and education. The laboratory will involve the application of conditioning techniques learned in the course. NOTE: Noncredit for students who completed PSY 307. 1 Course

**PSY 208 Cognitive Psychology with Laboratory**

*Prerequisite: PSY 100*

*Offered: Typically every Spring Term*

Topics that will be considered are perception, memory, language, concept formation, problem solving, and creativity. The laboratory will involve examination and application of the principles learned in the course. NOTE: Noncredit for students who completed PSY 308. 1 Course

**PSY 209 Social Psychology**

*Prerequisite: PSY 100*

*Offered: Typically every Spring Term*

Effect of social factors upon behavior, motives, attitudes, and personality; and psychological aspects of social groups and institutions. NOTE: Noncredit for students who completed PSY 309. 1 Course

**PSY 210 Industrial/Organizational Psychology**

*Prerequisite: Completion of the Social Science Perspective & Practical Reasoning with Quantitative Emphasis (PRQ)*

*Offered: Typically alternate years (next offered Spring 2009)*

This course is designed to help students understand and appreciate the many ways in which psychological theories and procedures apply to the world of work and can be used to enhance human productivity and health. The course's emphasis will be on practical applications of psychology and will include topics such as personnel policies and administration, performance management, organizational theory, behavior and development, occupational health, and leadership. NOTE: Noncredit for students who completed this course when offered as PSY 386. 1 Course

**PSY 213 Child Psychopathology**

*Prerequisite: PSY 100 or CFS 130 or permission of instructor*

*Offered: Typically every Spring Term*

An introduction to the fundamental theories, research methods, concepts, and controversies within the field of childhood behavioral and emotional disorders. An emphasis will be placed upon current empirical and theoretical approaches to childhood disorders, including issues in their classification, etiology, and developmental course. NOTE: Noncredit for students who completed PSY 313. I Course

**PSY 214 Ethology with Laboratory**

*Prerequisite: PSY 100 or BIO 100 or 110*

*Offered: Typically every Spring Term*

The naturalistic study of animal behavior viewed from an evolutionary perspective. An investigation of general principles of behavior shared by many animals as well as specific adaptations. Laboratory emphasizing careful observation and interpretations of the ways animals behave. NOTE: Noncredit for students who completed PSY 314. I Course

**PSY 215 Health Psychology**

*Prerequisite: PSY 100*

*Offered: Typically alternate years (next offered Fall 2008)*

A course designed for Psychology majors, but with relevance for Nursing majors, Physical Education majors, pre-med and pre-dental students, and interested others. Interdisciplinary in content, the course examines how biological, psychological, and social factors interact with and effect health, chronic disease, health-promotion efforts, medical treatment, and stress management. Course content also will examine sound research principles, alternative or complementary treatments, and application techniques for health- habit changes. NOTE: Noncredit for students who completed PSY 315. 1 Course

**PSY 217 Cross-Cultural Psychology**

*Prerequisite: PSY 100*

*Offered: Typically alternate years (first offered Spring 2008)*

An exploration of the emerging field of cross-cultural psychology, this course will provide a critical and comparative study of cultural effects on human psychology. We will focus on the linkages between cultural norms and behavior and the ways in which particular human activities are influenced by different, sometimes dissimilar, social and cultural forces. Through this process students will gain a better understanding and appreciation of psychological universals (phenomena common to people of many cultures), as well as the breadth and depth of diversity in human thought and behavior across the world. 1 Course

**PSY 231 Social Gerontology**

*Prerequisite: Completion of the Social Science Perspective*

*Offered: Typically alternate years (next offered Fall 2007)*

An introductory course intended for undergraduate students who are interested in learning more about aging and the field of gerontology. The course approaches aging from an interdisciplinary perspective, focusing on the physical, psychological, economic, and social changes that occur with age. This course also explores personal and societal attitudes toward aging and focuses on the diversity that is present in the older population. By the end of this course, students are expected to have a deeper understanding of the kinds of lives that older adults lead, with many of their stereotypes about the elderly having been challenged. 1 Course

**PSY 306 Research Methods**

*Prerequisite: PSY 205 (formerly 305)*

*Offered: Typically Fall and Spring terms*

Students will build upon the foundation of statistics and experimental design they have acquired in PSY 205 to develop a theoretical and practical understanding of research methods. In addition to demonstrating their knowledge of the scientific method and research design, students are expected to find and interpret primary psychological literature, select and use inferential statistical tests, and design, conduct, and present empirical research studies. Students will develop their faculties of objective observation, critical thinking, and clear expression. 1 Course

**PSY 321 Personality Theory**

*Prerequisite: PSY 211 (formerly 311)*

*Offered: Typically alternate years (next offered Fall 2008)*

Personality Theory is designed to introduce students to some of the major theoretical perspectives on what constitutes the "self," or those characteristics and traits that make us who we are. The field of personality, drawing from its philosophical traditions, attempts to answer such questions as "What is the nature of humankind?" or "How does one develop a healthy or unhealthy personality?" Questions like these have been the driving force behind psychologists' attempts at discovering a unified and comprehensive understanding of personality. Throughout the course we will examine and discuss a wide range of both classical and contemporary perspectives on personality, focusing not only on the specific components of each, but also addressing the merits of each and their implications for larger theoretical debates and one's own personal experiences. Using a combination of critical thinking and thoughtful reflection, students are invited to consider the various theories and supporting evidence, formulating their own conclusions and applying each to their greater understanding of self and others. 1 Course

**PSY 323 Clinical and Counseling Methods**

*Prerequisite: PSY 211 (formerly 311)*

*Offered: Typically every Fall Term*

Clinical and Counseling Methods is designed to provide undergraduate students with an overview of the science and practice of clinical and counseling psychology. The course will cover the history and development of the field, including methods of inquiry and major theoretical perspectives. Methods of assessment and intervention in clinical psychology will be examined through readings, lectures, discussions, and, when appropriate and available, film/video. Additionally, students will be strongly encouraged to apply critical thinking and analysis skills to some of the current and controversial issues that pervade the field of clinical psychology. 1 Course

**PSY 420 History and Systems of Psychology**

*Prerequisites: PSY 100 and two other PSY courses*

*Offered: Typically every Fall Term*

A study of the historical and philosophical development of psychological thinking from Descartes to the present. NOTE: Noncredit for students who completed PSY 320. 1 Course

**PSY 424 Senior Research**

*Prerequisite: PSY 205 (formerly 305) and 306*

*Offered: Typically Fall and Spring terms*

Each student will design, conduct, and present a psychological experiment as a senior thesis. 1 Course

**PSY 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 to 1 Course*

**PSY 390/490A or 8 Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PSY 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 to 3 Courses*

**PSY 397/497A or 8 Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**PSY 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission*

*Offered: Typically as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Sociology**

**SOC 100 Sociology of Everyday Life**

*Offered: Typically Fall and Spring terms*

A practical introduction that relates theory, data, and analysis directly to an examination of the sociological imagination. Through readings and exercises, students will learn to apply the ways in which sociology can help them inquire into their own activities and relations with others. Social Science Perspective. I Course

**SOC 110 Problems of American Institutions**

*Offered: Typically Fall and Spring terms (but only offered in Fall 2007, as an exception this year)*

American society has been changing rapidly during the 20th century. The student will study the ways in which our family, religious, health, economic, political, and educational institutions have changed; why some of these changes are seen as problems and others are not; and the solutions that have been proposed by various groups in our society. Social Science Perspective. I Course

**SOC 132 Introduction to Race in America (AFR)**

*Prerequisite: Completion or waiver of MAT 010*

*Offered: Typically annually (next offered Fa/2007)*

In America's last five centuries, the concept of race changed from a literary meaning about the "race of humankind" toward popular folkways of seeing, describing, and categorizing individuals and groups based on pseudo-scientific explanations of physical and cultural traits associated with groups from various nations and regions. This course allows us to examine social patterns of these interracial and interethnic encounters and to analyze sociologically factors that help to maintain or change the domination or subordination established among the groups in our contemporary American society. African Americans', Appalachians', and Women's Perspective. I Course

**SOC 215 Juvenile Delinquency**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically as student interest and faculty availability allow*

This course offers an examination of juvenile delinquency as a social construction and traces the development of the juvenile justice system. Social theories of delinquency are analyzed, along with major intervention strategies. Issues of race, social class, and gender that often color our ideas of delinquent behavior are considered. 1 Course

**SOC 220 Cultural Anthropology**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically every Spring Term (next offered Spring 2008)*

An examination of the role that culture plays in shaping the way human beings live in different societies. Emphasis on the variety of cultural knowledge that people use to give meaning to life, to understand one another, and to organize their behavior. Social Science Perspective. I Course

**SOC 223 Social Stratification and Inequity**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically every Fall Term (next offered Fall 2008)*

The sociological study of social class, status, and power. This course examines individual and structural explanations for the generation and maintenance of inequality in the United States, and the influence of stratification on individuals and groups. Topics include theories of stratification; correlates of social position for the upper class, middle class, working class, and the poor; social mobility; and functions/dysfunctions of social inequality. In contrast to race and gender stratification, this course focuses on social-class stratification in particular. A major goal of the course is to understand the significance of social class where before it may have been invisible. I Course

**SOC 325 Gender and Sex Roles (WST)**

*Prerequisite: SOC 100 or PSY 100 or CFS 130*

*Offered: Typically alternate Spring Terms (next offered Spring 2008, as an exception)*

An examination of the behaviors and expectations of being male and female and the resulting relationships among men and women across the life cycle. Attention is given to current issues of gender roles and socialization, the family, education, employment, social class, and dynamics of social change. I Course

**SOC 327 Crime and Deviance**

*Prerequisites: SOC 100 and GSTR 203 or GSTR 210*

*Offered: Typically as student interest and faculty availability allow*

An examination of the conditions under which deviance is defined and changes over time; how people come to define some persons as different, dangerous and/or immoral; how persons respond to being so defined; and the role of social control agents in the definition of deviance and the treatment of the deviant. I Course

**SOC 330 Community Analysis: The Appalachian Case (APS)**

*Prerequisite: One introductory ECO, HIS, PSC, or SOC course*

*Offered: Typically as student interest and faculty availability allow*

This course is a study of the history, demography, social structure, and forces promoting social change in the Appalachian rural community. The student will learn a sociological approach to understanding the concept of community, its various systems, institutions, and groups. A community problem-analysis orientation will be followed. While studying the community in Appalachia, other community studies-American, European, and Third World-will be examined for comparative purposes, looking at content and method. African Americans', Appalachians', and Women's Perspective. 1 Course

### **SOC 335 Methods of Social Research**

*Prerequisites: Completion or waiver of MAT 012; and SOC 100; or permission of instructor*

*Offered: Typically every Fall Term*

In this course, the way to convert ideas from other Sociology courses into testable hypotheses will be studied. It includes examining various types of research, research design, and methods of collecting data. The student will find and evaluate sociological materials, use descriptive statistics and computers as tools in organizing information, and write a research proposal. 1 Course

### **SOC 340 Social Statistics for a Diverse Society**

*Prerequisites: Successful completion of both Practical Reasoning with Quantitative Emphasis (PRQ) and the Social Science Perspective*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2007)*

This course provides a basic introduction to descriptive and inferential statistics as used in social-science research. It assumes no previous experience with statistics. Students will learn how social scientists use statistics to describe social phenomena; compute and interpret basic statistics both by hand and using SPSS software; apply the logic of hypothesis testing; and generate and interpret figures and tables. The course will meet 4 hours per week. NOTE: Noncredit for anyone with credit in PSY 305. I Course

### **SOC 341 The Sociology of Development and Social Change: Seminar in World Issues Since 1945**

*Prerequisites: GSTR 220 and 221 or junior standing; AND a course approved to meet Practical Reasoning (PR or PRQ)*

*Offered: Typically every Fall Term*

The sociology of development is concerned with sociological studies of causes and processes of social and economic change in the "developing" or Third World countries. This course looks at the social, demographic, and economic structures of nations. It is a study of the human dimensions of societal development. The topics include the history of the world since 1945, theoretical approaches to social change, comparative consideration of the economic and social structures of less-developed countries, and an examination of the relationship between development policy and factors of social change. I Course

### **SOC 348 Comparative Analysis of Formal Organizations**

*Prerequisite: SOC 100, 110, 220, 223, PSC 100, 110, ECO 101, 102, or PSY 100*

*Offered: Typically as student interest and faculty availability allow (next offered Fall 2007)*

This study of formal organization begins with a review of the research on total organizations-organizations that serve as places of residence and work, such as the military and some health, social service, and educational institutions-and the research of non-total organizations, which include business and government. Of particular interest will be the impact of formal organizations on their members, as well as an interorganizational look at social forces that lead to changes that affect organizations over time. From this latter perspective, the organizational structure, e.g., goals, authority, and resources, are examined in view of macro-societal forces, such as urbanization, class conflict, and ideologies (cultures and belief systems). I Course

### **SOC 350 Theories Guiding Sociology**

*Prerequisite: SOC 100*

*Offered: Typically every Spring Term*

An examination of the major theoretical perspectives in sociology: functionalism role theory, conflict theory, exchange theory, and symbolic interactionism. The student will review major sociological theories comparing them in terms of central concepts and explanations of how patterns of social organization are created, maintained, and changed. I Course

**SOC 360 Social Policy Studies and Evaluation Research**

*Prerequisite: SOC 335 or concurrent enrollment*

*Offered: Typically as student interest and faculty availability allow*

An examination of the use of sociological concepts and findings to address social problems, social policy, and programs promoting social change. Students will study techniques of social program evaluation, social program monitoring, needs assessment, and policy development. The course covers the historical background to applied sociology, issues in the use of sociological knowledge, and selected case studies of applied sociology in various settings. I Course

**SOC 436 Sociological Methods in Action**

*Prerequisite: SOC 335*

*Offered: Typically every Spring Term*

This course is a continuation of SOC 335. Actual field or empirical research will be done, as well as the planning, design, and completion of a research project. The work includes selecting samples, collecting the information needed to test hypotheses, using statistics to understand data, and writing and presenting to peers a report based on research. 1 Course

**SOC 461 Field Experience in Social Policy Studies**

*Prerequisites: SOC 360 and permission of instructor*

*Offered: Typically as student interest and faculty availability allow*

An in-service training experience working as an applied sociologist with a program. Students will learn how to use critical thinking to analyze problems, develop research plans designed to provide solutions to these problems, carry out research in the field, critically analyze the data collected into findings, and write organized reports that set forth the policy implications of the findings. Under the academic direction of a staff member in the Department of Sociology, the student will work in a setting that focuses on the creation and evaluation of social policy, e.g. business, service agency, community group, or governmental or judicial sector. In addition to spending the equivalent of a full day each week in the field placement, students will meet together for a weekly seminar. I Course

**SOC 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or I Course*

**SOC 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490; SOC 100,335, and 350*

*Offered: Typically Fall and Spring terms*

*See p. 48 of this Catalog. 1 Course*

**SOC 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog.*

I to 3 Courses

**SOC 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

### **SOC 397/497A or 8 Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497; SOC 100,335, and 350*

*Offered: Typically Fall and Spring terms*

*See p. 48 of this Catalog. I Course*

## **Sustainability & Environmental Studies**

### **SENS 100 Introduction to Sustainability and**

*Prerequisite: Completion or waiver of MAT 012*

*Offered: Typically Fall and Spring terms*

The concept of sustainability is explored as it relates to human dominated and natural ecosystems at spatial scales from local to global. The major environmental problems facing the United States and the world are evaluated in terms of interactions among ecological, social, economic, and spiritual factors. Emphasis is placed on understanding the scientific approaches by which environmental risk is assessed and sustainability is measured. Local ecosystems will be used as a context for learning. Three lectures and one laboratory/field study each week. Practical Reasoning (PR). 1 Course

### **SENS 215 Sustainable Appalachian Communities (APS)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically annually (next offered Fall 2007)*

An introduction to the concept of sustainability as applied to communities in the Appalachian region. Ecological, social, and economic characteristics of Appalachia are reviewed as a context for case studies of communities within the region. A variety of approaches to sustainable development are explored. Students learn techniques for evaluating community sustainability, and participate in a service-learning or community-based research project that assists a local community to become more sustainable. African Americans', Appalachians', Women's Studies Perspective. NOTE: Noncredit for students who completed GST/SENS 210. I Course

### **SENS 310 Ecology**

*Prerequisite: A laboratory-science course*

*Offered: Typically alternate years (next offered 2008-2009)*

An introduction to the basic ecological principles of terrestrial and aquatic systems. Emphasis is placed on experiential learning through field and laboratory studies. Principles of energy flow, material cycles, physiological ecology, population ecology, ecological succession, community ecology, and biological diversity are addressed. Hands-on exercises and experiments are integrated with lectures, discussion groups, student research projects, and computer exercises to demonstrate the process of scientific inquiry into ecological issues. Two class periods and one laboratory period each week. I Course

### **SENS 320 Intro. to Geographical Information Systems**

*Prerequisite: MAT 110 (no longer offered at Berea), 115, 125, or permission of instructor*

*Offered: Typically alternate years (first offered Fall 2008)*

An introduction to the basic principles of Geographical Information Systems (GIS), and the related technology of Geographical Positioning Systems (CGPS), through demonstration and practice with GIS software. Examples from a variety of disciplines will be presented to illustrate how GIS are used to manage spatial data. Students will develop beginning competency in applying GIS software to example problems. Practical Reasoning with Quantitative Emphasis (PRQ). NOTE: Noncredit for students who have completed this course as SENS 386. I Course

### **SENS 340 Introduction to Ecological Design Environmental Studies**

*Prerequisite: GSTR 232, GSTR 332, or a laboratory-science course*

*Offered: Typically every Spring Term*

An exploration of the principles and practice of ecological design- the application of ecological principles to the design of sustainable technologies, buildings, communities, and landscapes. The focus of the course is on understanding how ecological knowledge informs the basic approach to design. Primary ecological concepts such as the individual-population-community framework, energy flow, and material cycles are used as the foundation for design tools, with emphasis on the use of these tools both to achieve sustainability and to regenerate the earth's ability to support life. The importance of community participation and ownership of the design process is introduced in the form of participatory methods for design. Laboratory exercises and group projects provide opportunities for experiential learning through the application of ecological design principles to the solution of real problems, with particular focus on the Berea College campus and its surroundings. Three lectures each week and one laboratory. I Course

### **SENS 345 Ecological Architecture**

*Prerequisite: One of the following courses-SENS 340, ART 246, TEC 111, or TEC 130*

*Offered: Typically alternate years (next offered Fall 2009)*

A survey of the developing field of ecological, or "green," architecture. Topics include innovative design methodology, alternative building materials, energy conservation and renewable energy sources, indigenous architecture, and ecologically engineered waste management systems. Material will be presented in the context of a dialogue between conventional and ecological architecture. Laboratory exercises are complemented by experiential learning through student involvement in campus and community building projects. 1 Course

### **SENS 460 Capstone Course for Sustainability & Environmental Studies**

*Prerequisites: Declared SENS minor; SENS 100 and completion or concurrent enrollment in all other SENS minor requirements*

*Offered: Typically every Fall Term*

Advanced analysis of a current sustainability and environmental issue integrating the diverse knowledge, experiences, and points of view that students have developed in the SENS minor. This course integrates elements of the natural sciences, social sciences, and humanities, and emphasizes specific problem solving as well as abstract thinking. Students are expected to process and synthesize complex concepts and ideas by drawing upon the fundamentals learned in SENS 100, the breadth gained from their selection of electives, and their specific skills and perspectives developed through the experiential component. I Course

### **SENS 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

### **SENS 390/490A or 8 Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**SENS 394/494 Experiential Learning Project**

*Prerequisites: SENS 100 and approval of the SENS Director*

*Offered: Typically as student interest and faculty availability allow*

An experiential learning activity that normally occurs beyond the classroom setting, may be on or off campus, and will involve students in activities central to SENS learning objectives under the direction of a SENS faculty member. Successful completion of a SENS 395/495 (Internship), 140 hours in an approved labor position, or a student-faculty undergraduate research project may satisfy this requirement. Noncredit Course

**SENS 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**SENS 397/497A or 8 Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**SENS 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*

## **Technology & Applied Design**

**TEC 110 Technology I**

*Offered: Typically every Fall Term*

A course relating the fundamentals of technology with emphasis on the study of tools, processes, materials, and organizational structures that provide goods and services to society. The major units to be investigated include communications, power, energy, and transportation. Practical Reasoning (PR). Course Fee: \$10. I Course

**TEC 111 Technology II**

*Offered: Typically every Spring Term*

A course relating the fundamentals of technology with emphasis on the study of tools, processes, materials, and organizational structures that provide goods and services to society. The major units to be investigated include materials and processes, manufacturing, and construction. Course Fee: \$10. I Course

**TEC 118 History of Technology**

*Offered: Typically every Fall Term*

A study of the impact of technological advancements throughout history, including changes to social institutions, such as government, education, and religion. Emphasis is placed on the changes brought about by the exponential growth of technology since the Industrial Revolution. Western History Perspective. I Course

**TEC 130 Engineering Graphics**

*Offered: Typically Fall and Spring Terms*

A study of the fundamentals of engineering graphics using both manual and computer-aided systems. Topics may include sketching, orthographic projection, dimensioning, pictorial drawings, and architectural drawings, as they relate to production. Course Fee: \$10. I Course

**TEC 140 Production Technology in Woods**

*Offered: Typically Fall and Spring Terms*

A study of selected production processes through considerations of wood and wood materials. The course encompasses material properties, ergonomic design, prototyping, production design, and primary and secondary processing. Instruction will include material selection, design, problem solving, fabrication, and finishing. Course Fee: \$10. I Course

**TEC 180 Graphic Communication**

*Offered: Typically Fall and Spring Terms (this year, offered Spring 2008 only, as an exception)*

A study of the fundamental materials, processes, and technology used in graphic communications. Topics may include layout and design, printing methods, photography, digital imaging, and desktop publishing, for both print and electronic media. Arts Perspective. Course Fee: \$10. I Course

**TEC 202 Photography**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Fall 2007, as an exception)*

This course will explore the materials, processes, and techniques used in photography. Topics may include cameras, exposure, film processing, printmaking, and digital imaging. Throughout the course, consideration will be given to both the technical and aesthetic aspects of photography. Arts Perspective. Course Fee: \$15. 1 Course

**TEC 213 Appalachian Crafts (APS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically annually (next offered Fall 2007 and Spring 2008, as an exception)*

A laboratory course involving work in various craft media including metal, wood, textiles, ceramics, and various native Appalachian materials. Through these various craft media, the culture of the Appalachian people will be examined focusing on factors affecting the life and work of the Appalachian craftsman, including aesthetics versus function, advancing technology, and outside influences. Through skill development, students will gain insight into the problem-solving ability, lifestyle, and ingenuity of the Appalachian people. Opportunities will be given for in-depth study and skill development. Arts Perspective and African Americans', Appalachians', and Women's Perspective. Course Fee: \$10. I Course

**TEC 218 Methods of Teaching Technology Education**

*Prerequisite: GSTR 100 or GSTR 110, or permission of instructor*

*Offered: Typically every Spring Term*

A study designed to examine the varied methods of presentation, lab management, demonstration, and course planning for teaching technology in grades 5-12. I Course

**TEC 250 Production Technology in Metals**

*Prerequisite: Completion or waiver of MAT 012; or permission of instructor*

*Offered: Typically Fall and Spring Terms*

A study of selected production processes using metal materials. The course encompasses material properties, design, prototyping, problem solving, and production design. Instruction also will include the cutting, forming, fastening, machining, casting, and finishing of metals. Course Fee: \$10. I Course

**TEC 251 Metal Casting**

*Prerequisite: Completion or waiver of MAT 012; or permission of instructor*

*Offered: Typically Short Term*

This course will provide an in-depth study of non-ferrous metal casting tools, materials, and processes. Subjects to be explored include patterns and pattern making, mold design, mold making, molding, properties and uses of metals, and discussions of the state-of-the-art foundry operations. Use of the microcomputer as a design tool and problem-solving device in several aspects of foundry study will be emphasized. Course Fee: \$15. I Course

**TEC 265 Electrical Fundamentals**

*Prerequisite: Completion or waiver of MAT 012; or permission of instructor*

*Offered: Typically Fall and Spring Terms (this year, only offered Fall 2007, as an exception)*

A study of alternating current (AC) and direct current (DC). Topics may include circuits, resistance, power, solid state devices, and use of electrical measuring instruments. Practical Reasoning with Quantitative Emphasis (PRQ). Course Fee: \$10. I Course

**TEC 275 Power Technology**

*Prerequisite: Completion or waiver of MAT 012; or permission*

*Offered: Typically Fall and Spring Terms (this year, only offered Fall 2007, as an exception)*

A study of the design and operation of power-related devices with provision for in-depth study and research. Topics may include power-conversion systems, power-transfer systems, and alternative energy. Course Fee: \$10. I Course

**TEC 330 Computer Aided Drafting and Design**

*Prerequisite: TEC 130 or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

An advanced study of engineering graphics and design using computerized systems. Emphasis will be placed on problem solving, three-dimensional technical drawings, and applications of CADD. Course Fee: \$10. I Course

**TEC 340 Advanced Studies in Woodworking**

*Prerequisite: TEC 140 or permission of instructor*

*Offered: Typically alternate years*

An advanced study of fine woodworking encompassing traditional and modern methods with an emphasis on design, aesthetics, and quality of construction. The course includes a study of furniture styles, ergonomic design, material properties, joinery, and traditional and contemporary construction methods. The structure of the course will provide additional emphasis on solution of specific problems of design and material applications. Course Fee: \$10. I Course

**TEC 352 Quality Control**

*Prerequisite: TEC 130, MAT 105, completion or waiver of MAT 115; or permission of instructor*

*Offered: Typically alternate years*

This course is designed to include the study of the history and foundations of quality control; quality-assurance program elements; the research of program problems; sampling and sampling techniques; inspection devices; statistical control; techniques of statistical process control; elements of time and motion study; and the application of computers in quality-assurance programs. Practical Reasoning with Quantitative Emphasis (PRQ). I Course

**TEC 382 Computer Graphics**

*Prerequisite: TEC 180 or permission of instructor*

*Offered: Typically alternate years (next offered Fall 2007)*

An in-depth study in various methods of using computers to generate, manipulate, and present graphic images. Topics may include: graphic design, digital photography, digital illustration, desktop publishing, Web-page design, and multi-media production. Course Fee: \$10. I Course

**TEC 392 Work Learning Experience**

*Prerequisite: Admission to major or permission of instructor*

*Offered: Typically Fall and Spring terms*

Student Labor learning experiences of at least one year (two regular terms or equivalent) related to the student's major. Required of all majors. Noncredit Course

**TEC 455 Computer Integrated Manufacturing**

*Prerequisite: TEC 130, MAT 105, completion or waiver of MAT 115; or permission of instructor*

*Offered: Typically alternate years (next offered 2008-2009)*

A study of contemporary applications and integration of the computer in manufacturing processes, production systems, product performance simulations, and plant design. This course will include practical experience in CAD/CAM integration and robotics applications. Course Fee: \$10. I Course

**TEC 460 Solid State Electronics**

*Prerequisite: TEC 265 or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

A study of electronics based on the analysis, function, and operation of selected discrete and integrated solid-state devices. Topics may include solid-state power supplies, discrete control devices, and linear and digital solid-state circuits. Course Fee: \$10. I Course

**TEC 470 Advanced Power Technology**

*Prerequisite: TEC 275 or permission of instructor*

*Offered: Typically alternate years (next offered Spring 2008)*

In-depth study in areas of engine performance, energy conservation, fluid power, and developmental power sources as they apply to industry and agriculture. Will include study of common methods of power transmissions. Course Fee: \$10. I Course

**TEC 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 or 1 Course*

**TEC 489 Seminar in Technology**

*Prerequisite: Senior standing or permission of instructor*

*Offered: Typically every Spring Term*

Concepts not offered in the laboratory courses will be presented. Included will be selected philosophic, historic, and current issues related to Technology and Industrial Arts. I Course

**TEC 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. I Course*

**TEC 395/495 Internship**

*Prerequisite: Sophomore, junior, or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. I to 3 Courses*

**TEC 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**TEC 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. I Course*

## **Women's Studies**

**WST 124 Introduction to Women's Studies**

*Offered: Typically every term*

What is Women's Studies? What is feminism? What have been the historic roles of women in the United States? In the world? How are women's experiences similar? How do they differ? How do class, race, and ethnicity shape women's development? Any student who has ever asked her/himself any of these questions can begin to explore answers in this introductory course in Women's Studies. The interdisciplinary field of Women's Studies draws from the often neglected experience of women in order to describe, analyze, and more fully understand the gendered world order. Students will read several primary-source selections from each of the different eras of the international feminist movement, as well as complementary texts in women's history and literature. This introduction to Women's Studies will engage students in a deeply personal and academic journey that involves classroom discussion of individuals' perceptions and critiques, journal responses to both discussion and reading, and a media project analyzing cultural images of women. African Americans', Appalachians', and Women's Perspective. 1 Course

**WST 135 African-American Women Writers (AFR/ENG)**

*Offered: Typically alternate years (next offered Spring 2008)*

How have African-American women writers coped with invisibility? How have they emerged from silence and created visions of identity and culture? This course will examine the writings of African-American women as a separate and distinct cultural group and the ways in which their writing is an expression of the culture and a historical record of its development. African Americans', Appalachians', and Women's Perspective. 1 Course

**WST 202 Women and African Americans in Politics (AFR/PSC)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate Fall Terms (next offered Fall 2008)*

A study of the participation of women and African Americans in the American political process. Theories of representative democracy and an introduction to the historical struggles for equal rights provide a context for the investigation of contemporary electoral politics, governance, grassroots politics, and public policy. Students examine the progress of women and African American candidates, and of related public-policy issues, throughout the current election and its immediate aftermath. African Americans', Appalachians', and Women's Perspective. NOTE: In order to receive African and African American Studies or Women's Studies major or minor credit, the student's major project must focus on African Americans or women, respectively. 1 Course

**WST 207 Family Relations (CFS)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically Fall and Spring terms*

An introductory survey of the psycho-social aspects of family science, including an examination of functions and variations over the life cycle, diverse family forms, gender roles and power, family resources, healthy intimate relations and personal communication, and issues of parenthood. This course balances theory and personal application. African Americans', Appalachians', and Women's Perspective and Social Science Perspective. 1 Course

**WST 211 Women in Religion (also REL)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered 2008-2009, as an exception)*

A study of the teachings on and participation of women in religion, as well as a study of the status and roles of women in several religious traditions, such as Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, or indigenous religious traditions. Religion Perspective and African Americans', Appalachians', and Women's Perspective. 1 Course

**WST 212 Literature of Caribbean Women (AFRIENG)**

*Prerequisite: GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Fall 2008)*

This course is an exploration of voices of women in the Caribbean. We will read works by writers from the Anglo-Caribbean, French Caribbean, and Hispanic Caribbean. These writers represent the islands of Jamaica, Cuba, Guadalupe, Haiti, the Dominican Republic, and Barbados. Their works investigate issues of racial configuration, relationships between women, politics, colonialism and post-colonialism, and the creation of the island space. We will look at the long, turbulent history of the island of Hispaniola from the perspective of both the Haitian and Dominican, the complex history of each of these island nations, and other important topics. African Americans', Appalachians', and Women's Perspective and World Culture (Non-Western) component of the International Perspective. NOTE: Noncredit for students who took this course as GSTR 209. 1 Course

**WST 223 Theologies of Liberation (also REL)**

*Prerequisite: GSTR 100 or GSTR 110*

*Offered: Typically alternate years (next offered Spring 2008)*

An exploration of the rise of political liberation theology movements and their critiques of and novel contributions to traditional expressions of Christian theology. Focus on understandings of theory and praxis, race, gender, class dimensions of social analysis, and re-constructions of the concepts of Christ and God. Religion Perspective. 1 Course

**WST 228 Gender in the Modern West, 1750-Present (HIS)**

*Prerequisite: HIS 101 or HIS 226; OR HIS 102 or HIS 227; OR GSTR 203 or GSTR 210*

*Offered: Typically alternate years (next offered Spring 2009)*

This course compares the experiences of women and men to determine how gender roles have contributed to and been shaped by the political and social history of Europe and the United States. The class is arranged topically and chronologically from the Enlightenment through the success of the parity movement in France at the beginning of the 21st century. Topics to be considered include: national revolutions, industrialization and the sexual division of labor, widening political opportunities, socialism, feminism, racism, and warfare. African Americans', Appalachians', and Women's Perspective and Western History Perspective. I Course

**WST 237 Women and Literature (also ENG)**

*Prerequisite: Sophomore standing*

*Offered: Typically alternate years (next offered Fall 2007)*

Selected literature by women, focusing on works written in English. Emphasis on historical background and ethnic and cultural influences. African Americans', Appalachians', and Women's Perspective.

1 Course

**WST 315 Classic Texts in Women's Studies**

*Prerequisite: WST 124 or permission of instructor*

*Offered: Typically Fall Term*

A study of the Western version of the Women's Studies canon, with readings spanning the last two centuries in history, philosophy, literature, psychology, sociology, biography, and critical theory. Both old and new classic texts will be paired together to help students develop a coherent narrative about gender and sexuality over the past two hundred years. In addition, the idea of a "canon" will be raised as a problematic issue in a rapidly changing academic field. African Americans', Appalachians', and Women's Perspective. 1 Course

**WST 325 Gender and Sex Roles (also SOC)**

*Prerequisite: SOC 100 or PSY 100 or CFS 130*

*Offered: Typically alternate Spring Terms (next offered Spring 2008, as an exception)*

An examination of the behaviors and expectations of being male and female and the resulting relationships among men and women across the life cycle. Attention is given to current issues of gender roles and socialization, the family, education, employment, social class, and dynamics of social change. I Course

**WST 366 Cross-Cultural Perspectives on Family (CFS)**

*Prerequisite: SOC 100 or permission of instructor*

*Offered: Typically every Fall Term*

Study of cultural influences upon family functions, structures, and behaviors, focusing on the recognition and understanding of cultural similarities and differences. Covers topics such as cross cultural interrelationships among economy, government, religion and family; kinship systems and patterns of marital residence; cultural variations in power distribution and sex roles; differences in childrearing patterns; universal shifts from "traditional" families; and variations in roles of aging family members. African Americans', Appalachians', and Women's Perspective and World Culture (Western) component of the International Perspective. 1 Course

**WST 401 Advanced Studies in Feminism**

*Prerequisite: WST 124 or permission of instructor*

*Offered: Typically every Spring Term*

An exploration of diverse academic theories and feminist philosophies as these apply to current and historical conditions. This course will interrogate theories of gender, women's subjectivity, social identity, and political agency. African Americans', Appalachians', and Women's Perspective. 1 Course

**WST 458 Senior Seminar in Women's Studies**

*Prerequisites: WST 124 and senior standing; or permission of instructor*

*Offered: Typically annually (beginning in Spring 2009)*

A curriculum in Women's Studies offers students an opportunity to enhance their world view by investigating the contributions and experience of girls and women throughout the world. Acknowledging and understanding the status of women in the world is a process that requires practice in the identification and solution of problems. The course explores how feminist theory and methodology provide critical perspectives that lead to transformative social practices. In particular, the Senior Seminar provides students with a more in-depth exploration of Women's Studies that includes relevant personal experiences, theoretical modeling, and direct application of knowledge gained from the program (in either an academic or applied research project). In this course, students actively will determine how their education in Women's Studies will be reflected in their contributions the world. 1 Course

**WST 186/286/386/486 Special Topics**

*Prerequisites: Determined by instructor*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1/2 to 1 Course*

**WST 390/490A or B Independent Study**

*Prerequisite: Sophomore or junior standing for 390; senior standing for 490*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**WST 395/495 Internship**

*Prerequisite: Sophomore, junior; or senior status*

*Offered: Typically every term*

*See p. 49 of this Catalog. 1 to 3 Courses*

**WST 397/497A or B Team Initiated Study**

*Prerequisite: Sophomore or junior standing for 397; senior standing for 497*

*Offered: Typically as student interest and faculty availability allow*

*See p. 48 of this Catalog. 1 Course*

**WST 398/498 Directed Study**

*Prerequisite: Will vary, but always will include permission of instructor*

*Offered: Typically on a limited basis as student interest and faculty availability allow*

*See p. 49 of this Catalog. 1 Course*