

General Education 2.0 Course Descriptions (for students with a catalog year of 2015-2016 or later)

Anthropology

ANT 1415. Understanding Culture (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "From Empire to Globalization")

This course explores the diversity and unity of human experience through the lens of cultural anthropology. Using case studies and other texts, students will gain familiarity with different cultural worlds. As they do so, they will be asked to think critically about their own cultural ideas and actions, to reflect on problems facing humanity in the contemporary world, and to understand the various ways in which they are historically and socially connected to other people in other places.

ANT 1420. Archaeology and the Human Past (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "How We Know What We Know About the Past: Method, Evidence, Knowledge")

An introduction to the human past through the scientific process of archaeology. Controversial issues discussed may include human evolution, the fate of the Neandertals, peopling of the Americas, and the cycling of state-level societies. Ultimately, lessons from the past are considered in light of contemporary human issues.

ANT 1425. Mythbusting in Archaeology (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "How We Know What We Know About the Past")

This course takes a critical look at some of the fantastic interpretations of ancient ruins and artifacts that make popular subjects for television shows, magazine articles, books, and the web-interpretations that we might call "pseudoscience." Specifically, we explore a series of questions that often attract pseudoscientific claims about the past: Who came to the Americas before Columbus? Was Atlantis the ultimate source of all ancient civilizations? Did astronauts help the Egyptians and Mayans build their pyramids? Do we have unequivocal evidence for Noah's Ark? In each of these cases, we will consider how archaeologists use scientific methods to evaluate evidence put forth to explain past events and cultural achievements. At the same time, we will seek to better appreciate how scientific and non-scientific ways of knowing the past articulate with contemporary communities both local and global.

ANT 1430. Our Primate Heritage (4).F;S.

GEN ED: Science Inquiry (Theme: "Life, Earth, and Evolution")

This course examines humans within an evolutionary and biocultural perspective. Students will be introduced to classic and contemporary literature on topics in human evolution and will have the opportunity to make their own observations and analyses within the laboratory. We will explore theoretical frameworks and controversies about important issues such as the nature of science, human variation, and the relationship between humans and our environment. Students will become familiar with evolutionary theory and heredity, primate evolution and basic comparative anatomy, and the fossil record of human evolution. Lecture three hours, laboratory two hours.

ANT 2100. East Asia Through Ethnography (3).S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course explores both the shared cultural practices and diverse social experiences of peoples across East Asia (China, Korea, Japan, Taiwan, Mongolia). Drawing on ethnographic writings and primary accounts by indigenous scholars, this course will explore a range of topics, including the family and religion, ethnic and political relations, gender and bodily practices, war and revolution, economic development and migrant labor, as well as other contemporary issues or special topics.

ANT 2222. The Living Primates (3).F.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "War and Peace")

In this course, students will be introduced to the diversity, evolution, biology, and behavior of the extant nonhuman primates, including lemurs, lorises, tarsiers, monkeys, and apes, through lectures, films, readings, discussions, and laboratory exercises.

ANT 2235. North American Archaeology (3).F.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "American Culture: Past and Present")

A general survey of lifeways in North America before white contact as known through archaeological information. Basic archaeological concepts and a brief discussion of the history of North American archaeology will be presented. Topical emphases include the prehistory of Alaska, the Northwest Coast, the Southwest, Plains, Great Basin, Midwest, and the Eastern United States. This course logically precedes ANT 2400, Native America Through Ethnography.

ANT 2300. Meso American Cultures (3).F.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Las Americas")

Introduction to the cultures and peoples of Mexico, Belize, Guatemala, and Honduras. Readings and lectures will focus on language, art, and political economy as vehicles for the expression of beliefs.

ANT 2340. Bronze Age Civilizations (3).S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "From Empire to Globalization")

What explains the rise and fall of past civilizations? How did the first cities promote increasingly global scales of economic and cultural interaction? And how do early states and empires reflect on our own experience of citizenship and globalization in the 21st century? This course follows in the footsteps of archaeologists to explore these questions through a comparative survey of ruins, artifacts, and texts from complex societies across Eurasia during the so-called Bronze Age circa 3500-1000 BCE. Focusing on case studies from Mesopotamia, Egypt, Greece, Scandinavia, India, and China, the course lectures and readings will outline common trajectories, historical differences, and growing interconnections among the ancient societies of these regions.

ANT 2400. Native America Through Ethnography (3).F.

GEN ED: Social Science Designation; Liberal Studies Experience

The course investigates current American Indian societies and issues. Students will read recent ethnographies written by and about Native peoples that bring attention to critical issues such as nation-building, citizenship, identity, material culture, and sociopolitical movements. The course includes an

overview U.S. Indian policy since contact, providing the historical context for understanding contemporary issues facing Native Nations today.

ANT 2420. Gender, Race and Class (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

An anthropological study of gender, social class, ethnicity, race and sexuality as cultural categories with a variety of meanings. Systems of inequality and the ways in which these categories are used to limit access to economic wealth, power, and prestige are analyzed in a global context.

ANT 2430. Magic, Witchcraft and Religion (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

A cross-cultural study of the nature and functions of belief systems. Emphasis is placed on understanding the belief systems of non- Western cultures in order to provide a means through which our own beliefs can be better understood. A variety of anthropological and psychological approaches to the study of belief systems are used.

ANT 2440. From Savages to Cyborgs (3).S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

This course is about monsters, and how monstrosity blends together realms that should be kept separate - such as nature/culture, human/animal, male/female, material/immaterial, and self/other. The very beginnings of anthropology can be traced to the impetus for discovery of otherness, in an unyielding attempt to find, know and subdue others. Despite the Enlightenment project to classify and thus distance the perceived threat of the "savage-primitive", the figure of the monster shape shifts. People who are cast as less than human - savages, gang members, criminals, terrorists, post-human cyborgs, people with AIDS - embody the nexus of debates about causality and cure. In this course, we pursue the monster as it is imagined and emerges through the medium of film - from early ethnographic films of the 20th century, documentary films on outcast figures, and popular film.

ANT 2700. South Asia Through Ethnography (3).S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course explores human life in South Asia (India, Pakistan, Bangladesh, Nepal, Sri Lanka) through ethnographic and culture-historical accounts by anthropologists and others. Attending to both similarities and differences among South Asian peoples, the course offers breadth through a survey of general topics (family, religion, caste, gender, colonialism, politics, etc.) as it also scrutinizes in depth a specific topic of contemporary concern, such as untouchability, ethnic strife, religious nationalism, postcolonialism, the South Asian diaspora, or globalization.

ANT 2800. Latin America Through Ethnography (3).F.

GEN ED: Social Science Designation; Liberal Studies Experience

This course offers a critical examination of recent and well-received ethnographies on the cultures and regional histories of Latin America (Guatemala, Mexico, Bolivia, Peru, Ecuador, and Chile) with the hope that by taking a multi-framed approach to reading and discussing these contributions, we may better understand both the similarities and differences Latin America has with other world areas. Topics to be discussed include tourism, development, indigenous activism, democracy, transnationalism, violence, performance, health, citizenship, and social movements.

ANT 3220. Human Biological Variation (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course provides a survey of theoretical frameworks in biological anthropology, beginning with an examination of the history and development of evolutionary theory, the modern synthesis, and the “New Physical Anthropology.” Feminist critiques, objections to the adaptationist program, and the development of biocultural approaches to human biology will be examined and applied to the study of patterns and processes in human evolution. Issues to be addressed in this course include the evolution of primate life histories, the origin of modern human biological variation, human reproduction, and evolutionary medicine. Prerequisite: RC 2001 or its equivalent.

ANT 3600. Archaeological Theory (3).F.

GEN ED: Junior Writing in the Discipline (WID)

Explores the history of archaeological thought since the eighteenth century (including evolution, cultural history, and processualism) and concludes with contemporary theory (postprocessualism and feminism). Participation in internet archaeological activities will supplement coursework and readings. Prerequisites: ANT 2221; and RC 2001 or its equivalent.

ANT 3625. History of Anthropological Ideas (3).F.

GEN ED: Junior Writing in the Discipline (WID)

A critical examination of the most influential ideas and theories in anthropology from the 19th century to contemporary theoretical schools, viewed in historical context. Changing conceptions of research strategies, research questions, and modes of explanation, as they relate to developing ideas about the nature of anthropology and human culture, are explored. Prerequisite: RC 2001 or its equivalent.

ANT 4231. Capstone: Magic and Modernity (3).On Demand.

GEN ED: Capstone Experience

Modernity is often characterized by a constellation of features such as rationality, objectivity, linear time, bureaucracy, and progress. Anthropology arose as a discipline of modernity. Yet many of the worlds that anthropologists study are enchanted worlds where the dead speak, ghosts act, and magic works. This seminar analyzes what happens when modernity meets such enchanted modes of human existence and explores how anthropology might grapple with the problem of using rational methods to understand magical worlds. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and 3625. Students who have previously received credit for ANT 4230 may not enroll in or receive credit for ANT 4231.

ANT 4241. Capstone: Politics of Ethnicity (3).F. Alternate years.

GEN ED: Capstone Experience

The history and experiences of indigenous groups have long captured the interest and commitment of anthropologists. Recently, studies have focused on indigenous movements and declarations made in reaction to both state-making processes and neoliberal restructuring reforms of the twentieth-century and beyond. Anthropologists have framed their interpretations and understandings of these movements with attention paid to various topics including power, representation, domination and resistance, hegemony, state-making processes, citizenship, organizing, and performance. This seminar will introduce students to numerous case studies with which they will gain an understanding of the cultural and historical foundations from which are built indigenous movements and their particular strategies. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and 3625. Students who have previously received credit for ANT 4240 may not enroll in or receive credit for ANT 4241.

ANT 4246. Capstone: Hegemony and Power (3).S.

GEN ED: Capstone Experience

This seminar focuses on the lasting impact that Antonio Gramsci and Michel Foucault have had on the thinking of cultural anthropologists, particularly in relation to the way in which various institutions, knowledge practices, and power come together to shape the relationship between the individual and larger society. In this seminar, students will read directly from their work, and from the work of scholars influenced by them, in order to gain a working knowledge of the ideas and writings of these foundational thinkers as they relate to anthropology. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and 3625. Students who have previously received credit for ANT 4245 may not enroll in or receive credit for ANT 4246.

ANT 4251. Capstone: Biology, Technology, and Culture (3).F.Alternate years.

GEN ED: Capstone Experience

In this course, we will examine the relationship between technological innovations, human biology and environments, and culture from a holistic perspective through selected readings, discussion, and written critiques. Specific topics will include competing constructions of science and nature, the biological, social, and cultural consequences of agriculture, industrialization and the chemical revolution, energy technologies, and biomedical technologies including stem cell research, assisted reproduction, and genomic medicine. Prerequisites: Senior standing, ANT 2215, 2221, 2230, and one of the following: ANT 3220, 3600, or 3625. Students who have previously received credit for ANT 4250 may not enroll in or receive credit for ANT 4251.

ANT 4256. Capstone: Ethnobotany: Plants, People, and Culture (4).On Demand.

GEN ED: Capstone Experience

Ethnobotany is a multidisciplinary field that investigates the relations of people to local plant populations. This course will provide a broad overview of the field, introducing students to methods of data collection and classic topics in the discipline, such as the use of plants as food, as medicine, in ritual, and in manufacture. This course will challenge students to think critically about the process of knowledge formation and the phenomenological encounter with the environment. In required lab sections, students will gain practical experience in plant identification, manufacturing processes, sensory ecology, and local "folk" knowledge of plants. Prerequisite: ANT 2215, ANT 2221, ANT 2230, ANT 3625. Lecture three hours, nine laboratory sessions of three hours. Students who have previously received credit for ANT 4255 or BIO 4255 may not enroll in or receive credit for ANT 4256.

ANT 4261. Capstone: Anthropology of Development (3).S.Alternate years.

GEN ED: Capstone Experience

This course offers an anthropological perspective on the critical study of national and international development projects. The anthropology of development puts questions of culture and human experience at the center of analysis. Through anthropological studies of the everyday life of development, we consider the lived consequences of development for those "being developed," as well as for those advocating development. This ethnographic approach highlights the intimacies and materialities of development experiences. Geographic/cultural areas of emphasis will be global in scope but with extra emphasis in the instructor's area of expertise. Prerequisites: Senior standing and ANT 2215, ANT 2221, ANT 2230, and 3625. Students who have previously taken ANT 4260 may not enroll in or receive credit for ANT 4261.

ANT 4266. Capstone: Anthropology and Global Health (3).F.Alternate years.

GEN ED: Capstone Experience

This course introduces the anthropology of global health, examining urgent health care problems around the world through the unique lens of anthropology. We will ask some of the following questions: How can the knowledge and methodological approach of medical anthropology contribute to researching and ameliorating health concerns, particularly of the most disadvantaged? In what ways does anthropology's attention to "culture" not only enrich our understanding of the conditions and dynamics of global health, but also expand our ability to design and implement effective global health interventions? Throughout the course, students will be encouraged to think creatively and critically about health problems and policies as well as scrutinize the value systems that underlie the discipline of global health itself. Prerequisites: Senior standing and ANT 2215, ANT 2221, ANT 2230, and ANT 3220 or ANT 3625. Students who have previously taken ANT 4265 may not receive credit for ANT 4266.

ANT 4271. Capstone: Arts of Resistance (3).F.

GEN ED: Capstone Experience

This course introduces students to social science and humanities literature on state power, surveillance technologies, and police and military institutions, while also examining the strategies and creative practices of communities and individuals that resist the tyranny of the state and envision alternative political futures and radically different configurations of power and social life. We will look at the work of (a) anthropologists and political theorists addressing contemporary global crises of population displacement, economic upheaval, and environmental change, (b) thinkers who shaped human rights law and humanitarianism during the 20th century, and (c) a field of anthropological theory that reacts creatively to crisis-management of the state, which we call "anarchist anthropology." Prerequisites: ANT 2215, 2221, 2230, 3625. Students who have previously received credit for ANT 4270 may not enroll in or receive credit for ANT 4271.

ANT 4276. Capstone: Experimental Ethnography (3).S.

GEN ED: Capstone Experience

This course offers a theoretical, historical, and practice-based forum for understanding how anthropologists have translated the fieldwork experience into text, but also images, sound, theater, performance, and other non-traditional forms. "Ethnography" has always been an experimental arena wherein anthropologists work out what to do with the material gathered during the prolonged encounter that is long-term fieldwork. This course works with an expansive horizon of theoretical trajectories and multimedia practices considered "experimental" within the domain of social sciences with special attention to currents in anthropology's intersection with art, underground subcultures, and revolutionary movements. This is a theory-driven course where students who have developed projects with faculty across the sub-fields in Anthropology will be given the opportunity produce new media projects in the Ethnography Lab. Prerequisites: ANT 2215, 2221, 2230, 3625. Students who have previously received credit for ANT 4275 may not enroll in or receive credit for ANT 4276.

ANT 4281. Capstone: Anthropology of the Body (3).S.

GEN ED: Capstone Experience

Social scientists have often relied on the naturalized, universal understanding of the human body adopted from the biomedical sciences. This course challenges these assumptions by examining the multiple bodies and diverse forms of subjectivity found in the anthropological literature and other fields

of scholarship. Our explorations of lived bodies will, in turn, contribute to more sophisticated understandings of human social and cultural forms. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and one of the following: ANT 3220 or 3625. Students who have previously received credit for ANT 4280 may not enroll in or receive credit for ANT 4281.

ANT 4321. Capstone: Human Evolution (3).S.Alternate years.

GEN ED: Capstone Experience

This course is a comprehensive survey of hominin evolution. The archaeological and fossil record from the past 8 million years will be examined in detail, including paleoclimate research or, “stones and bones.” In addition to studying the evidence for evolution, students will develop critical thinking skills about research paradigms, design, methodology, and interpretive frameworks. Lab exercises will allow students to examine fossil casts using a systems approach that considers structural-functional relationships, competing pressures in evolution, and even misapplication of evolutionary theory. After participating in this course, students will have learned basic human evolutionary anatomy and will also be familiar with key theoretical issues and debates in paleoanthropology. Prerequisite: Senior standing and ANT 2215, 2221, 2230, 3220. Students who have previously received credit for ANT 4320 may not enroll in or receive credit for ANT 4321.

ANT 4331. Capstone: Bioarchaeology (3).F.

GEN ED: Capstone Experience

Bioarchaeology is the holistic, interdisciplinary, and epidemiological analysis of human skeletal remains from archaeological contexts. In this course, we will survey topics including age and sex estimation, paleo-demography, biocultural stress markers, pathology and trauma, levels of physical activity and evidence for habitual behavior, and paleodietary analyses. Beyond learning methods of bioarchaeology, students will be given the opportunity to understand the development of interpretive frameworks from evolutionary and biocultural theory. These frameworks will be examined critically and applied to case studies from human populations in different geographical and temporal contexts. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and 3220. Students who have previously received credit for ANT 4330 may not enroll in or receive credit for ANT 4331.

ANT 4351. Capstone: Human Reproduction from an Evolutionary Perspective (3).S.

GEN ED: Capstone Experience

This course will examine human reproduction from an evolutionary perspective. We will discuss topics ranging from the origins of sexual reproduction to human fertility and sexuality and the biological, social, and political implications of childbirth practices, assisted reproduction, and parental care. In the course, students will become familiar with the anatomy and physiology of the human reproductive system and the biological and cultural processes that regulate reproduction in humans, and students will learn to critically evaluate representations of sexual selection, human sexuality, and parenting behavior. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and 3220. Students who have previously received credit for ANT 4350 may not enroll in or receive credit for ANT 4351.

ANT 4371. Capstone: Paleopathology (3).S.Alternate years.

GEN ED: Capstone Experience

Paleopathology is an evolutionary and biocultural approach to health and disease in ancient human populations. This field of inquiry is increasingly recognized for contributing important insights on the origin and co-evolution of infectious diseases, fetal and developmental origins of disease, and basic research on human variation and adaptive evolution. This course covers the history of this discipline,

ethical and theoretical frameworks, basic skeletal biology, patterns of human growth and developmental disturbances, disease mechanisms and processes, differential diagnosis, and evolved responses to physiological insult. Course content includes case studies, laboratory and analytical techniques, and an applied project that reconstructs the life course and 'osteobiography' of an individual skeleton. This course emphasizes presentation and writing skills, in addition to practical, diagnostic and lab-based skills. Prerequisites: senior standing and ANT 2215, ANT 2221, ANT 2230, and ANT 3220.

ANT 4401. Capstone: Paleolithic Archaeology (3).S.

GEN ED: Capstone Experience

A detailed examination of the Paleolithic from a paleoanthropological perspective. The archaeological record (sites, tools, fauna, and geology), methods, and theories for the evolution of our ancestors are explored, as well as competing models concerning extinctions. Students will learn of the evidence for such major events in the Paleolithic such as the organization of technologies, the demise of the Neandertals, competing explanations for cave art, the evolution of human consciousness, and the emergence of "culture as we know it." Special attention is given to the inferential methods employed to interpret the archaeological record of the Paleolithic. Prerequisites: Senior standing, ANT 2215, ANT 2221, ANT 2230, and ANT 3600. Students who have previously received credit for ANT 4400 may not enroll in or receive credit for ANT 4401.

ANT 4441. Capstone: Experimental Archaeology (3).F.

GEN ED: Capstone Experience

Immerses students in the practical application of experimental archaeology—the replication of processes that form and transform archaeological evidence. Experimental archaeology is one way in which we create analogs for constructing hypotheses and for testing hypotheses to explain the natural or cultural meaning of archaeological evidence. Prerequisites: Senior standing, ANT 2215, 2221, 2230, 3120, and 3600. Students who have previously received credit for ANT 4440 may not enroll in or receive credit for ANT 4441.

ANT 4451. Capstone: Paleolithic Cave Art (3).F.

GEN ED: Capstone Experience

This course offers a paleo-anthropological examination of Paleolithic cave art, including analysis of both technological and cultural contexts. Special attention is given to different interpretive frameworks through which meaning has been attributed to cave art by anthropologists and archaeologists, including animism, sympathetic magic, structuralism, shamanism, natural history, and cognitive frameworks. Geographical focus is on the "classic" zone of cave art in Europe, with comparative examples drawn from other areas. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and 3600. Students who have previously received credit for ANT 4450 may not enroll in or receive credit for ANT 4451.

ANT 4461. Capstone: Landscape Archaeology (3).S.

GEN ED: Capstone Experience

Archaeologists are uniquely positioned to examine the relationships between people, places, and the past. This course explores the deep histories of economic, socio-political, and ritual landscapes, and introduces the tools that archaeologists use to study them. The landscape of Stonehenge provides a focal case study, and additional case studies will draw upon worldwide archaeological literature. Prerequisites: ANT 2215, ANT 2221, ANT 2230, and ANT 3600 or ANT 3625. Students who have previously received credit for ANT 4460 may not enroll in or receive credit for ANT 4461.

ANT 4471. Capstone: Cultural Artifacts (3).S.

GEN ED: Capstone Experience

This course explores the complex ways in which cultural artifacts intersect with our social relations and subjectivities. Drawing on diverse approaches to the production, exchange, consumption, and significance of material culture, both within and beyond anthropology, this course encourages critical engagement with things both past and present. Schedule type: Seminar. Students who have previously received credit for ANT 4470 may not enroll in or receive credit for ANT 4471. Prerequisites: ANT 2215, ANT 2221, ANT 2230, and ANT 3600.

ANT 4510. Senior Honors Thesis (3).F;S.

GEN ED: Capstone Experience

Independent study and research, directed by a Department of Anthropology faculty member and evaluated by a department committee. Prerequisites: ANT 2215, 2221, 2230; either ANT 3220, 3600, or 3625; successful completion of 6 hours Anthropology honors courses, a 3.45 GPA in Anthropology and approval of thesis topic by departmental honors committee.

ANT 4611. Capstone: Anthropology of Energy (3).F.Alternate years.

GEN ED: Capstone Experience

This course explores anthropological dimensions of energy, with energy understood as the power to utilize physical and natural resources. In particular, we will look at the cultural politics of energy production and consumption in North American and global contexts. Using anthropological approaches to science and technology, we will consider how energy is never solely a techno-scientific process, but is fundamentally a social practice, always embedded in complex, uneven relations of power. In other words, we consider how the production of “power” concerns the materiality of generating electricity, heat, nuclear weapons, and other sources of fuel from natural resources, but at the same time, also concerns the politics of infrastructure, human difference, and trans-local networks of social action. Prerequisites: Senior standing and ANT 2215, 2221, 2230, and one of the following: 3220, 3600, or 3625. Students who have previously received credit for ANT 4610 may not enroll in or receive credit for ANT 4611.

Appalachian Studies

AS 2016. Appalachian Music (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

A survey of Appalachian music including both instrumental and vocal styles, older traditions and newer regional forms. Students will have opportunities to develop musical skills through hands-on class projects and activities. (Same as MUS 2016.)

AS 2020. Appalachia in Film (3).S.

GEN ED: Liberal Studies Experience

Students watch, discuss, and analyze English-language narrative films and televised fictional narratives (“fictional” films, as opposed to documentaries) that depict the people and land of the Appalachian mountain region.

AS 2025. Appalachian Strings (3).F;S.

GEN ED: Liberal Studies Experience

Introductory instruction in stringed instruments and styles commonly heard in old-time, old-time country, and bluegrass music, including basic music theory. Lecture and demonstration three hours.

AS 2200. Appalachian Stories (3).F.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

Introduction to the literature of Appalachia with an emphasis on the multiplicity of narrative forms in the region. This course examines both historical and contemporary Appalachian literary expression as well as local, regional, national, and international perspectives on the literature of the region. Students read and study oral narratives, exploration narratives, travel writing, memoir, autobiography, song lyrics, and nature writing, in addition to fiction, poetry, and drama. The course also explores how literary production comments on and participates in the construction of Appalachia.

AS 2301. The History of Coal from the Pennsylvanian to the Present (3).S.

GEN ED: Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

Coal has played a critical role in the history of the southern Appalachians. The geologic processes that formed coal and shaped the landscape into the steep ridges and hollows of the Appalachian coalfields have directly affected the human history of the region – from hunting in pre-colonial times, to settlement and subsistence farming in the 1800s, to mining and unionization in the 1900s, to mountaintop removal and natural gas/coalbed methane extraction in the last decade. This course covers the physical and chemical processes that form coal as well as the tectonic and geomorphologic processes that formed the landscape of the coalfields and shaped the agricultural practices of the early settlers. It examines the cultural history of coal mining and life in the company-owned coal camps and the political history of unionization through literature and film. The economics and environmental consequences of coal-fired power plants are discussed, and the environmental and occupational hazards associated with both underground and surface coal mining are analyzed from both a scientific and a sociological perspective. (Same as GLY 2301.)

AS 2411. Appalachia: An Introduction (3).On Demand.

GEN ED: Social Science Designation; Liberal Studies Experience

This course explores the Appalachian region from a cross-disciplinary perspective, with readings on Appalachia drawn primarily from the social sciences. Both historical and contemporary issues are examined, focusing upon national and international as well as local and regional contexts.

AS 3000. Diversity in Appalachia (3).S.

GEN ED: Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

Diversity in Appalachia considers gender and/or ethnic diversity in the Appalachian region from interdisciplinary perspectives, and may focus on women, gender, ethnic diversity, or one or more ethnic communities. Content may vary.

Apparel Design and Merchandising

ADM 1000. Apparel and Consumer Behavior (3).F.

GEN ED: Social Science Designation; Liberal Studies Experience

An introductory study of the nature and importance of life styles; communication, economics, psychology, sociology, design and concepts of manufacturing, marketing and retailing as factors which influence consumer acceptance and utilization of fashions.

ADM 4400. Professional Seminar (1).F.

GEN ED: Junior Writing in the Discipline (WID)

Prerequisites: senior level standing, completed 35 hours of ADM courses or approval of the major advisor; and RC 2001 or its equivalent. Should be completed before taking ADM 4900.

ADM 4900. Internship (3-12).F;S;SS.

GEN ED: Capstone Experience

Field experience or employment in apparel design and merchandising. Supervision and evaluation by the employer and the faculty member.

Prerequisites:

- A. 2.00 overall grade-point average
- B. College rank: juniors (60+ s.h.)
- C. Completed 35 semester hours of apparel design and merchandising courses including ADM 4400.
- D. Internship proposal fully approved
- E. Major courses completed: ADM 1000, ADM 1001, ADM 2000, ADM 3002, ADM 3003, ADM 4004; ACC 2100; ECO 2030; MKT 3050

Graded on an S/U basis. Hours requirement for three credit hours is 120 hours with 40 hours required for each additional credit.

Applied Music

AMU 4901-4925. Senior Recital (2-4).F;S.

GEN ED: Capstone Experience

A public recital serving as the culminating experience of applied music study in the principal performing medium. Six practice hours per week for each semester hour credit. Additional fee (Summer Term).

Arabic

ARB 1050. Intermediate Arabic II (3).S.

GEN ED: Liberal Studies Experience

A continuation of ARB 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: ARB 1040 or the equivalent. Laboratory work required.

Art

ART 2011. Introduction to Visual Arts (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course covers selected historical and contemporary issues, the formal structure and critical analysis of the visual arts and an examination of art's relationship to ideas, beliefs and culture. Students will develop a critical understanding of art as a manifestation of broader social, historical, and contemporary issues in a global context.

ART 2016. Introduction to Studio Art and Design (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

An introductory exploration of contemporary studio art practice, with a specific thematic focus. Students will experiment with materials and techniques, complete research on visual/thematic topics, and document their developing ideas. Projects will introduce a variety of two dimensional, three dimensional, and time-based media. Sample themes include topics in culture, technology, history, sociology, and the environment. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Studio six hours.

ART 2019. Art for Social Change (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course combines an introductory studio course with an examination of the way in which art can contribute to social change. Studio assignments will involve students in the investigation, understanding and application of artistic methods and the principles of design while thematically exploring contemporary social issues. Lectures, class discussions and project critiques are geared to develop students' awareness of how art can address social issues. Studio six hours.

ART 2022. Cultivating Creative Expression Through Visual Art (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Cultivating Creative Expression")

Students will create works of visual art in various media, reflecting on the creative process, the influence of culture, and the dynamic and reciprocal interactions among the artist, instructor, and student. Lecture and studio four hours.

ART 2030. Art from Prehistory to 1400 (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

A global survey of art history focusing on the early visual artistic traditions of Europe, Asia, Africa and the Americas from the dawn of art to 1400. The course examines visual art and art making in religious, social, cultural, and political contexts.

ART 2130. Art from 1400 to the Present (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

A global survey of art history from 1400 to the present examining the later artistic traditions of Europe, Asia, Africa, Oceania and the Americas. The course focuses on visual art and art making in light of changing social, political, religious, and cultural circumstances.

ART 2420. The Child as Cultural Construct (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Students will study the cultural, empirical, and personal image of the child and how these collective beliefs influence the practice of art education. Specific topics include: recognizing the child as cultural construct, the teacher and child as co-constructors of knowledge, the value of a child's aesthetic, and

authentic assessment. The class will be a combination of written responses, class discussions, research observations, technological applications and a community collaborative art experience as it relates to contemporary visual culture, the image of the child and to the child's art making. Theories of art education that illuminate the vital importance of personal experience, public memory, intertextuality, and cultural narrative will be examined. Various models for assessing student performance will be studied with special attention given to creating assessment tools that deconstruct the practice of knower and non-knower and construct practical instruments. Prerequisite: ART 2222, RC 2001 or its equivalent and Art Education Candidacy Portfolio Review.

ART 3015. Studio Seminar II (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This hybrid theory/studio course will explore various strategies and approaches to art making with special focus on conducting research and cultivating writing skills specifically relevant to studio practice. It will provide an integrated introduction to the theory and practice of art making as it relates to the many institutions comprising the art world. This course will also explore various rationales and strategies for promoting and displaying art. Writing about the process of creating, displaying and articulating the meaning of one's own work and the work of others will be emphasized. Prerequisites: ART 1001, ART 1002, ART 1003 and ART 1005 and Portfolio Review and RC 2001 or its equivalent. Lecture and studio four hours.

ART 3600. History of Modern Art (3).F. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

A survey of leading movements in modern art from the 1870's to 1945. Prerequisites: ART 2130 or consent of the instructor and RC 2001 or its equivalent.

ART 3610. Asian Art and Architecture

GEN ED: Junior Writing in the Discipline (WID)

This course explores the art and architecture of Asia, beginning roughly in the third century BCE and concluding before the modern era, with a focus on painting, sculpture, and architecture. Special attention will be paid to the religious traditions of the region, particularly Buddhism, which functions as a link in analyzing the unique forms of culture that characterize the different countries of the Asian continent. Students will also learn to write and do research in art history at an advanced level. Prerequisites: ART 2030 or 2130 or permission of the instructor; RC 2001 or its equivalent.

ART 3630. African Art (3).S. Odd-numbered years.

GEN ED: Junior Writing in the Discipline (WID)

This course explores major themes in the study of the visual arts in Africa. Works of art from the ancient rock paintings of the Sahara, through the ancient artistic traditions of Ife and Benin, to the arts of the colonial and post colonial periods are presented. Diverse forms of art works are studied in their social, religious, and political contexts. Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent.

ART 3650. Art of Late Antiquity (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course in the Late Antique art, covering early Christian, Byzantine and early Islamic art. Focus on the social context of ancient art production and reception. Prerequisites: ART 2030 or consent of the instructor and RC 2001 or its equivalent.

ART 3700. Oceanic Art (3).F. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

This course examines the visual arts of the Pacific Islands, Australia, New Zealand, and New Guinea, including tattooing and other body adornment practices, architecture, sculpture, and textiles. The course explores the ways oceanic arts since the 18th century embody resistance and survival through the continuity of traditional art forms as well as work in more contemporary media and styles.

Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent.

ART 3705. Contemporary Art of Africa (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course examines themes in the study of the recent visual arts of Africa and the Caribbean during the colonial and post-colonial period. This course explores the ways that artistic production reflects its local background and circumstances as it enters into a dialog with a global art scene. The course will examine art as a sensitive barometer of social, cultural, religious, and political changes in modern Africa and the Caribbean. Prerequisite: RC 2001 or its equivalent.

ART 3710. Ancient Egyptian Art (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course in the history of Egyptian art, from archaic through early Christian periods. Focus is on the social context of ancient art production and reception. The course includes critical reading, writing, and discussion. Prerequisites: ART 2030 or permission of the instructor and RC 2001 or its equivalent.

ART 3750. History of Roman Art (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course in the history of Roman art, from archaic through early Christian periods. Focus on the social context of ancient art production and reception. Prerequisites: ART 2030 or consent of the instructor and RC 2001 or its equivalent.

ART 3770. Islamic Art and Architecture (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course is an introduction to Islamic art and architecture beginning in the 7th century and concluding in the present. The course will explore visual production in regions across the globe where Islam has had a lasting influence, including North Africa, Spain, Iran and Central Asia, and South Asia. The course will encourage students to appreciate the diversity of artistic traditions that can be described as Islamic.

Students will also learn to write and perform research in art history at an advanced level. Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent.

ART 3780. Visualizing the City (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

The course explores the myriad ways in which one can visualize and experience cities, focusing on such topics as architecture, urbanism, art, and visual culture. Adopting a global approach to the study of cities, students will explore the intersections between the visual experience of the city and its political, social, and cultural context. Students will also learn to write and perform research in art history at an advanced level. Students may repeat the course once, barring the duplication of content. Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent.

ART 3790. Contemporary Asian Visual Culture (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

Students will examine and engage with methodologies of visual culture studies, as well as the history and practices of contemporary visual culture in Asia. In analyzing contemporary Asia the course covers visual culture practices from the nineteenth century to the present. We will study art, photography, architecture, urbanism, museums and festivals, literature, film, and television in order to examine the characteristics of the shared lexicon and imagery that produce distinctive contemporary viewing practices that we may call "Asian." Students will also learn to write and perform research in art history at an advanced level. Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent.

ART 3800. Art Since 1945 (3).S. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

A survey of leading movements in contemporary art from 1945 to the present. Prerequisites: ART 2130 or consent of the instructor and RC 2001 or its equivalent.

ART 3810. Photography and Culture (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course invites students to develop a critical understanding of the relationship between photography and culture. Readings, lectures, presentations and discussions on historical and contemporary photographers will be incorporated into the coursework. Prerequisites: ART 2130 or permission of the instructor and RC 2001 or its equivalent.

ART 3820. History of Museums and Collecting (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A seminar in the history of museums and collecting, focusing on the 19th century through today. Major emphasis is placed on critical reading, writing, and discussion. Prerequisites: ART 2130 or permission of the instructor and RC 2001 or its equivalent.

ART 4030. Seminar in Art Criticism and Theory (3).F;S.

GEN ED: Capstone Experience

A seminar in the theory and criticism of art in which leading methods of analysis are examined through readings and discussion. Major emphasis is placed upon the student developing a critical sense of art. Prerequisites: ART 2030 and ART 2130, or consent of the instructor.

ART 4040. Seminar in Art History (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This advanced seminar in art history will focus on in-depth inquiry into a particular period, theme, place or genre in art history. Content will vary from semester to semester. May be repeated barring duplication of content for a total credit of 12 semester hours. Prerequisites: ART 2030, ART 2130 and RC 2001 or its equivalent.

ART 4202. Graphic Design Senior Studio (3).F;S.

GEN ED: Capstone Experience

The culminating course in the graphic design program, this course addresses self-reliance and the application of research and creative inquiry to the realization of projects proposed in ART 4192 (Graphic Design Senior Seminar). Students will produce a portfolio of work that demonstrates analytical,

conceptual, visual and technical maturity. Passing a portfolio review is a requirement of this course. Prerequisites: ART 3050, ART 3202, ART 4102, and ART 4192. Studio six hours.

ART 4852. Senior Studio (3).F;S.

GEN ED: Capstone Experience

Senior Studio is the capstone studio experience for BFA Studio Art majors. This course carries on and brings to resolution the conceptual, technical and studio practices begun in Studio Seminar III. Students will demonstrate an emerging intellectual, visual and technical maturity by producing a body of work for exhibition. Students will also write process statements and deliver a series of oral presentations critically analyzing their works in progress. This course addresses issues relevant to becoming a professional artist. A committee of three faculty members will evaluate each student's work. Prerequisite: ART 4351. Studio six hours.

ART 4900. Internship: Field Experience (1-12).SS.

GEN ED: Capstone Experience

An on-the-job experience with artists, museums, galleries, and other businesses related to the promotion of professions in the arts and cultural sector. Graded on an S/U basis.

Astronomy

AST 1001. Introductory Astronomy I – The Solar System (4).F.

GEN ED: Science Inquiry (Theme: "Voyages Through the Cosmos")

Topics to be covered include constellations, telescopes, the sun and moon, planets, asteroids, comets, the origin of the solar system and the search for extra-terrestrial life. The laboratory includes visual observations and electronic imaging of astronomical objects as well as a field trip to Appalachian's Dark Sky Observatory. Lecture three hours, laboratory two hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

AST 1002. Introductory Astronomy II – Stars and Galaxies (4).S.

GEN ED: Science Inquiry (Theme: "Voyages Through the Cosmos")

A study of astronomical objects located beyond our solar system. Topics to be covered include the structure and evolution of the stars, pulsars, black holes, gaseous nebulae, star clusters, galaxies, quasars and the structure of evolution of the Universe. Night observations of these types of objects will be made. Lecture three hours, laboratory two hours. Prerequisite: AST 1001. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

AST 1050. Astrobiology: Exploring Life in the Universe (3).S.

GEN ED: Liberal Studies Experience

This course will introduce students to the field of astrobiology -- the scientific search for life in the Universe. This interdisciplinary course will include aspects of the fields of astronomy, biology, physics, geology and chemistry, as well as history and social interest in the human condition. Topics will include (although not be limited to) the origin of life in the Universe; the evolution of life on Earth; current science missions on searching for life; the search for extraterrestrial intelligence; and human exploration beyond our planet. All topics will stem from a scientific basis, integrating relevant historical and contemporary social and cultural issues. Lectures will be a mix of slides and video, discussion, and

student-led presentation of astrobiology in the news. Credit for AST 1001 or AST 1002 recommended but not required.

Athletic Training

AT 3610. Therapeutic Modalities and Intervention Strategies I (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

The course covers the physical basis and physiological effects of agents, modalities, and alternative intervention strategies used in the treatment of injuries to an active population. The emphasis will be on establishing a theoretical foundation for selecting a treatment protocol for an injury. Hands-on practice with equipment is provided. Prerequisites: AT 1600, ES 2031, and RC 2001 or its equivalent.

AT 4030. Evidence-Based Practice in Athletic Training (3).F.

GEN ED: Capstone Experience

A course designed for senior athletic training students. Discussion topics will include developing clinical research questions, assessing research study design, understanding statistical analyses, interpreting peer-reviewed manuscripts, and conducting systematic reviews of literature. These skills will be applied as they relate to the prevention, diagnosis, and treatment of sports-related injuries. Prerequisites: AT 3615, AT 3625, and AT 4025.

Biology

BIO 1103. Global Climate Change and Earth's Life (4).S.

GEN ED: Science Inquiry (Theme: "Global Environmental Change")

A course examining the effects of global climate change on earth's organisms. Lecture combines biological concepts with current knowledge and predictions to provide a broad introduction to key changes possible in earth's biota in a future world. Laboratory provides a hands-on approach to investigating climate change questions. Submission of online essays, group discussions and summary reports from laboratory experiments required. Lecture three hours, laboratory two hours.

BIO 1201. Biology in Society I (3).F;S.

GEN ED: Science Inquiry (Theme: "Biology in Society")

This lecture course was designed for non-majors and is ideal for students that want to satisfy their interests and natural curiosity about biological systems, but whose primary educational interests lie elsewhere. We will explore the biological basis of relevant societal topics like diet and nutrition, diseases like diabetes and cancer, beneficial versus pathogenic microbes, and stem cell therapies. Our discussions will delve into life at molecular, cellular, and organismal levels while focusing on the practical impact biology has on our lives. This course is offered as part of the "Biology in Society" theme in the General Education Science Inquiry perspective. In order to satisfy this theme, students must take BIO 1201, BIO 1202, and BIO 1203 for a total of eight credit hours. Students may take BIO 1201 and BIO 1202 in either order and must take BIO 1203 in conjunction with either BIO 1201 or BIO 1202. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 1202. Biology in Society II (3).F;S.

GEN ED: Science Inquiry (Theme: "Biology in Society")

This lecture course was designed for non-majors and is ideal for students that want to satisfy their interests and natural curiosity about biological systems, but whose primary educational interests lie elsewhere. We will explore the biological basis of relevant societal topics like the sixth extinction event, conservation ecology, human populations and evolution, and genetically modified organisms used for food, fuel, and remediation. Our discussions will delve into life at organismal, population, community, and ecosystem levels while focusing on the practical impact biology has on our lives. This course is offered as part of the "Biology in Society" theme in the General Education Science Inquiry perspective. In order to satisfy this theme, students must take BIO 1201, BIO 1202, and BIO 1203 for a total of eight credit hours. Students may take BIO 1201 and BIO 1202 in either order and must take BIO 1203 in conjunction with either BIO 1201 or BIO 1202. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 1203. Biology in Society Laboratory (2).F;S.

GEN ED: Science Inquiry (Theme: "Biology in Society")

This lab course was designed for non-majors and will examine current research projects in the ASU Biology Department, ranging from molecular genetics to ecosystem ecology, as well as explore the biological and ecological diversity of the Southern Appalachian Mountains. This lab experience consists of 50 contact hours and is composed of in-lab and online exercises. It is offered as part of the "Biology in Society" theme in the General Education Science Inquiry perspective. In order to satisfy this theme, students must take BIO 1201, BIO 1202, and BIO 1203 for a total of eight credit hours. Students may take BIO 1201 and BIO 1202 in any order and must take BIO 1203 in conjunction with either BIO 1201 or BIO 1202. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 1204. Biology in Society I Laboratory (1).F;S.

GEN ED: Science Inquiry (Themes: "Biology in Society")

This course is offered only under special circumstances to students who require a one-credit hour lab course primarily to satisfy the eight-credit hour requirement of the Biology in Society theme in the General Education Science Inquiry perspective. In this course, students will complete one-half of BIO 1203, specifically the in-lab exercises that examine current research projects in the ASU Biology Department. This course maps to the lecture course BIO 1201. Students who require a one-credit hour lab course that maps to the BIO 1202 lecture course should take BIO 1205. Students who require a two-credit hour lab course should take BIO 1203. Students may take either BIO 1204 or BIO 1205 but not both. The combination of BIO 1204 and BIO 1205 is not an acceptable substitute for BIO 1203, and this combination will not count for BIO 1203 credit. Please contact the General Biology Program Director for assistance with registration. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 1205. Biology in Society II Laboratory (1).F;S.

GEN ED: Science Inquiry (Themes: "Biology in Society")

This course is offered only under special circumstances to students who require a one-credit hour lab course primarily to satisfy the eight-credit hour requirement of the Biology in Society theme in the General Education Science Inquiry perspective. In this course, students will complete one-half of BIO 1203, specifically the in-lab exercises that examine current research projects in the ASU Biology Department. This course maps to the lecture course BIO 1202. Students who require a one-credit hour

lab course that maps to the BIO 1201 lecture course should take BIO 1204. Students who require a two-credit hour lab course should take BIO 1203. Students may take either BIO 1204 or BIO 1205 but not both. The combination of BIO 1204 and BIO 1205 is not an acceptable substitute for BIO 1203, and this combination will not count for BIO 1203 credit. Please contact the General Biology Program Director for assistance with registration. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 3301. Human Systems Physiology (4).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A study of the fundamental principles of human physiology with an emphasis on systemic function. Lecture three hours, laboratory three hours. Prerequisites: one semester of organic chemistry (CHE 2201 or CHE 2101); and RC 2001 or its equivalent. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 3312. Environmental Studies (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

An in-depth study of environmental problems from a systems/ecological perspective, with emphasis on the scientific basis of the problems and solutions. Topics will vary by semester but will generally include population growth; mineral water and wildlife resources; energy resources; and waste and pollution. Involves significant written assignments. Prerequisites: BIO 1802 and RC 2001 or its equivalent.

BIO 3313. Global Change Ecology (4).S.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the causes and consequences of anthropogenic global change with a particular emphasis on key ecological processes. We will explore global changes in biogeochemistry, climate, biodiversity, and land cover. Students will use the scientific literature and laboratory experiences to better understand global environmental datasets and their interactions. Students will develop an understanding of the ecological underpinnings of global changes, and explore consequences as well as potential mitigation strategies. Prerequisites: BIO 1802 and RC 2001 or its equivalent. Lecture three hours, laboratory three hours.

BIO 3314. Comparative Vertebrate Zoology (4).S.

GEN ED: Junior Writing in the Discipline (WID)

The origin, evolution, anatomy, physiology, taxonomy, and natural history of vertebrates. Lecture three hours, laboratory three hours. Prerequisites: BIO 1801 and RC 2001 or its equivalent.

BIO 3315. Conservation Biology (3).S.

GEN ED: Junior Writing in the Discipline (WID)

This course will introduce students to the foundations, key concepts, and current topics in Conservation Biology. Students will be exposed to different concepts of biodiversity, gain an appreciation of threats to biodiversity at scales ranging from local to global, and learn about the role of state and federal agencies, non-government organizations and other stakeholders in the struggle to preserve the natural resources of an increasingly populous earth. Prerequisites: BIO 1801, BIO 1802, and RC 2001 or its equivalent.

BIO 3800. Molecular Biology (4).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A study of the basic molecular processes and critical recombinant DNA technologies. This includes: structure and general features of the biological information molecules DNA, RNA and proteins; DNA

replication and repair processes; RNA synthesis and processing; protein synthesis and regulation; and basic recombinant DNA technology. The laboratory will include: DNA isolation techniques; restriction analysis; construction of a recombinant DNA molecule and cloning; DNA-DNA hybridization; *in vitro* translation and analysis of the protein; PCR amplification of DNA; DNA sequencing and analysis; and the introduction to computer analysis of DNA, RNA and proteins. Lecture three hours, laboratory three hours. Prerequisites: BIO 1801 and one semester of organic chemistry; and RC 2001 or its equivalent. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

BIO 4501. Independent Research (3).F;S.

GEN ED: Capstone Experience

A capstone experience in designing and conducting an independent research project. Students will report the results of their study in the form of a paper appropriate for publication in a scientific journal and will present a public seminar on their research. Prerequisites: senior standing, completion of a junior writing course, and permission of the instructor.

BIO 4519. Biology Honors Thesis (3). On Demand.

GEN ED: Capstone Experience

Work, under the supervision of a biology faculty member, on the project begun in BIO 4518 (Honors Research). An oral report on the project will be presented in a public seminar. A written thesis will be approved by a committee comprised, at minimum, of the thesis advisor and another faculty member. (Note: If a student is using the Biology Honors Thesis to fulfill the requirements for University Honors, one member of the committee must be from outside the Department of Biology.) A student who completes the thesis with a grade of "B" or higher will be eligible for "Honors in Biology." Prerequisite: BIO 4518 with a grade of "B" or higher.

BIO 4552. Entomology (4). F even-numbered years.

GEN ED: Junior Writing in the Discipline (WID)

A study of the insects, including anatomy, physiology and function, with a special emphasis on the ecological roles of insects and their interactions with other organisms. Evolutionary relationships with related arthropods are also covered. Basic taxonomy of the major insect groups is addressed with required excursions into the field and an insect collection, which teaches collecting and preservation techniques. Students investigate insects through essays, a research paper and oral presentations. Lecture three hours, laboratory three hours. Prerequisites: RC 2001, BIO 1801 for non-Biology majors, BIO 1802 for Biology majors.

BIO 4575. Ecotoxicology (4).S.

GEN ED: Capstone Experience

This course introduces the various classes of toxicants, their fate within organisms and ecosystems, and the chemical transformations and mechanisms of toxicity. This course will also introduce students to standard lab and field toxicity tests, analysis of toxicity and quantification of toxins, data reduction and analysis, and the power of statistical analyses to identify significant effects. A case study approach will be utilized in lecture and labs to examine the toxic effects of heavy metals, organic compounds, insecticides, and environmental endocrine disrupters. Students will learn about important endpoints and bio-indicators of toxin exposure specific to each class of toxin and how they are used in ecological risk assessment. A service-learning component of the course will require students to conduct group toxicology projects with a local community partner. Lecture three hours, laboratory three hours with some required field trips. Prerequisites: Biology core courses (BIO 1801 and BIO 1802), one semester of

organic chemistry, junior level writing in the discipline (WID) course, and senior standing. [Dual-listed with BIO 5575.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

BIO 4700. Seminar in Biological Science (3).F;S.

GEN ED: Capstone Experience

A capstone experience in a seminar format. Students will be expected to read seminal articles, monographs, and books from the scientific literature, prepare synthesis papers drawing together ideas from several sources, and present their topics to the seminar group and participate in discussion.

Prerequisites: senior standing, completion of a junior writing course, and permission of the instructor.

BIO 4910. Capstone Internship in Biology (3).F;S.

GEN ED: Capstone Experience

A capstone experience in a commercial/industrial setting, research laboratory, or research facility, or in a federal, state, or local government agency. Students will be expected to complete a significant project developed in conjunction with the cooperating outside facility or agency, will keep a daily journal of their internship experience, and will report the results of their internship in a public seminar.

Prerequisites: senior standing, completion of a junior writing course, and permission of the instructor.

Business

BUS 4000 Business Capstone Experience (1).F;S.

GEN ED: Capstone Experience

This course synthesizes the knowledge gained in the business discipline by using comprehensive integrative exercises. Emphasis on demonstrating competence in oral and written communication, thinking critically, and making local to global connections. Prerequisites: a minimum grade of "C" in any Writing in the Discipline (WID) course, completion of all College of Business core courses other than MGT 4750, and final semester senior standing.

Career and Technical Education

CTE 1590. Personal Money Management (3). F;S.

GEN ED: Liberal Studies Experience

Planning and managing personal finances. Emphasis is placed on controlling expenditures, consumption, emergencies, borrowing, insurance, home ownership, taxes, savings, investing, retirement, and personal estate planning.

CTE 3340. Business Communications (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Students gain experience in written and spoken business communications. Activities include writing e-mail, memoranda, letters, proposals, and reports. Oral, nonverbal, and intercultural communications are emphasized. Prerequisite: RC 2001 or its equivalent.

CTE 4650. Research in Career and Technical Education (3).S.

GEN ED: Writing in the Discipline (WID)

This course provides students with an opportunity to conduct original and unique research in the field of

career and technical education. Students will conduct research and design and develop an original project in their specific area of study based on the specific content area skills they have developed in their previous coursework.

Chemistry

CHE 1101. Introductory Chemistry I (3).F;S.

GEN ED: Science Inquiry (Theme: "Chemistry: Connections to Our Changing World")

A study of the fundamental principles of chemistry emphasizing modern atomic theory, the structure and behavior of atoms, the properties and states of matter, energy relations, periodicity and mole concepts. Corequisite or prerequisite: CHE 1110. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

CHE 1102. Introductory Chemistry II (3).F;S.

GEN ED: Science Inquiry (Theme: "Chemistry: Connections to Our Changing World")

A study of properties of solutions, acid-base concepts, equilibria, elementary thermodynamics, elementary kinetics, electrochemistry. Prerequisites: CHE 1101 and CHE 1110; corequisite or prerequisite: CHE 1120. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

CHE 1110. Introductory Chemistry Laboratory I (1).F;S.

GEN ED: Science Inquiry (Theme: "Chemistry: Connections to Our Changing World")

Laboratory experiments to supplement the study of the topics listed under CHE 1101. Laboratory three hours. Corequisite or prerequisite: CHE 1101.

CHE 1120. Introductory Chemistry Laboratory II (1).F;S.

GEN ED: Science Inquiry (Theme: "Chemistry: Connections to Our Changing World")

Laboratory experiments to supplement the study of the topics listed under CHE 1102. Laboratory three hours. Corequisite or prerequisite: CHE 1102.

CHE 3303. Physical Chemistry I Laboratory (1).F.

GEN ED: Junior Writing in the Discipline (WID)

Experimental investigations which supplement the study of the topics in Physical Chemistry I. Applications of computer techniques for data reduction and manipulation will be introduced and utilized. Laboratory three hours. Prerequisites: CHE 2210, CHE 2211, MAT 1120, PHY 1150, PHY 1151, and RC 2001 or its equivalent. Corequisite or prerequisite: CHE 3301.

CHE 4000. Chemistry Seminar (1).F;S.

GEN ED: Capstone Experience

A senior capstone experience on the presentation and discussion of current chemical topics. Oral and written reports are required. Prerequisites: CHE 3000, CHE 3301 and CHE 3303.

CHE 4620. Environmental Chemistry (4).S.

GEN ED: Capstone Experience

A capstone course for students pursuing a concentration in Environmental Chemistry, this course will focus on the wide diversity of subject matter required by this major. The course will involve discussions and applications of air, water and soil chemistry while giving the student an appreciation of the

scientific, legal, political and economic issues inherent in Environmental Chemistry. Lecture three hours, laboratory three hours. Prerequisites: CHE 3301, CHE 3303, CHE 3560, CHE 3561, STT 3850.

CHE 4900. Internship in Chemistry (1-12).F;S.

GEN ED: Capstone Experience

Independent, supervised work in applied chemistry at an approved industrial, quality control, analysis, or production facility. Appropriate entities include, but are not limited to, commercial businesses and governmental agencies. May be taken for a maximum of 12 semester hours, with a maximum of 6 semester hours credit per summer session. Only three of those hours will count toward major requirements. Prerequisite: CHE 3303. Graded on an S/U basis.

Chinese

CHN 1050. Intermediate Chinese II (3).S.

GEN ED: Liberal Studies Experience

A continuation of CHN 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: CHN 1040 or the equivalent. Laboratory work required. (Global Learning Opportunity course)

Commercial Photography

PHO 2032. History of Photography (3).F;S.

GEN ED: Liberal Studies Experience

This course examines photography in a historical context from the beginning of the 19th Century to present. This comprehensive study of the technical and creative evolution of photography will feature historically significant photographers, their styles and corresponding historical events. Emphasis shall be placed on the evolution of photography in relation to developments in science, technology, society, the arts and politics.

PHO 3092. Professional Photographic Practices (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course is designed to introduce the upper level photography major to best professional practices for the photography proprietor/ entrepreneur. Topics may include intellectual property law, tax obligations and reporting requirements, employment law, insurance responsibility, and renters' rights and obligations under a lease. In addition, the course may cover software solutions to estimating and bidding jobs, tracking expenses, invoicing clients, and developing legal contracts. The course will also cover marketing, promoting and advertising options. By the end of the course, students will have developed a business plan, a financial statement, marketing materials, and have created a visual identity (logo/brand) to take into the marketplace. Prerequisite: RC 2001 or its equivalent. Prerequisite or Corequisite: PHO 3042.

PHO 4492. Photographic Portfolio (3).F;S.

GEN ED: Capstone Experience

This senior level course is designed for the major in Commercial Photography. The course will prepare the graduating senior to apply for employment in the field of professional photography or admission to

graduate school. Topics covered will include letters of introduction, resumes, portfolio production and presentation, preparing exhibits, and web pages. Through the production of the final portfolio, students will demonstrate their technical skills, visual communication ability, knowledge of theory in design, and awareness of the global market. Lecture two hours, laboratory two hours. Prerequisite: senior standing. Open only to Commercial Photography majors.

Communication

COM 2105. Public Speaking in the Disciplines (3).F;S.

GEN ED: Liberal Studies Experience

Intensive practice in composition and delivery of various types of speeches with emphasis on speech structure and style suited to a particular subject matter, which will vary by section as indicated in the schedule of classes.

COM 2121. Interpersonal Communication (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Social Relations Across Contexts")

Study and application of basic communication concepts to interactive communication situations and problems. Students will be involved in various activities pertinent to understanding these concepts.

COM 2124. Intercultural Communication (3).S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

Examines communication practices in multi-cultural settings including international, national, regional, ethnic, racial, economic, religious, and other topics of pertinence to effective intercultural communication. Students will be involved in observational activities and research activities to exemplify intercultural communication differences in a practical way.

COM 3120. Rhetoric and Religious Discourse (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

The rhetorical analysis of religious themes in political and popular discourses. Prerequisite: RC 2001 or its equivalent.

COM 3130. Minorities in Media (3).S.

GEN ED: Integrative Learning Experience (Theme: "American Culture: Past and Present")

This lecture and discussion course introduces students to the complex relationships between race, gender, and popular culture via critical media analysis.

COM 3151. Gender Communication (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course designed to allow students to learn, through studying theories and through practical experiences, the concepts relative to communication and both genders. Study includes, but is not limited to, communication among both and single genders; communication role development; how gender communication affects family relationships; differences in verbal and nonverbal communication across genders; and how gender roles affect close relationships, education, the media, acts of violence, and the workplace. Prerequisite: RC 2001 or its equivalent.

COM 3155. Persuasion (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the role of persuasion in public life. Students will learn to critically analyze and produce persuasive discourse in social, cultural, and democratic contexts in light of prevailing theories of social influence. Prerequisites: COM 1200 and COM 2101, or consent of the instructor; and RC 2001 or its equivalent.

COM 3300. Mass Media and Society (3).F;S.

GEN ED: Liberal Studies Experience

A survey of the social impact of mass media. Analysis of issues such as mass media and individual behavior, violence and TV, media and consumers, and mass media and popular culture.

COM 3301. Writing for the Electronic Media (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Formats and techniques of writing for the electronic media. Prerequisites: RC 2001 or its equivalent and COM 1600; and registration is restricted to students admitted to the BS in Communication, Electronic Media/Broadcasting or consent of the instructor.

COM 3302. Copywriting for Advertising (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Development of skills and techniques of advertising copywriting applying to all media. Goals are to improve creative writing skills, learn the basics of advertising copy and layout and the analysis of advertisements. Prerequisites: COM 2700 and must be an admitted communication major or communication minor; and RC 2001 or its equivalent.

COM 3312. Crisis Communication (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A study of the role of crisis communication in contemporary organizations. Emphasis is on critical assessment of organizational readiness for a crisis and advanced crisis preparation. Students prepare a crisis assessment and crisis management plan for an actual organization/business. Prerequisite: RC 2001 or its equivalent.

COM 3315. Political Communication (3).On Demand.

GEN ED: Liberal Studies Experience

Examines the theoretical and practical aspects of political communication. Topics covered include political debates, speechwriting, political cartoons, communication strategies during and after campaigns, and the role of the media in political communication.

COM 3341. Communication Ethics (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Study methods of applying logical concepts and techniques as well as ethical theories, principles, and techniques to professional communication fields. The course will also demonstrate the importance of ethics and of communication ethics to the student's personal and professional life. It will scrutinize and evaluate the fundamental issues and problems in communication ethics and examine the social responsibility of professional communicators. Prerequisites: COM 1200 or permission of the instructor, and RC 2001 or its equivalent.

COM 3600. Feature Writing (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Study of principles, processes and techniques of editorial and feature writing for print media. Intense practical training in advanced writing styles and skills. Prerequisites: COM 2600 and COM 2610, or consent of the instructor; and RC 2001 or its equivalent.

COM 3618. Public Relations Writing (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Public relations writing builds student skills in developing and preparing collateral public relations materials. This course integrates and builds upon the journalism, public address, core communication, and public relations courses. It sets the foundation for independent action in the advanced public relations courses and for successful experiences in an internship environment. Prerequisites: COM 2600 and RC 2001 or its equivalent. Corequisite or prerequisite: COM 3318.

COM 4315. Electronic Media Management (3).F;S.

GEN ED: Capstone Experience

The study of factors related to the management of broadcast and cable stations, including finances, human resources, programming, sales, regulation, and promotion and marketing. Prerequisites: Senior standing; COM 3301; or consent of the instructor.

COM 4318. Public Relations Campaigns (3).F;S.

GEN ED: Capstone Experience

An advanced course providing students with hands-on experience in researching, planning, implementing and evaluating public relations campaigns for various types of organizations. As part of this course, each student will also construct a professional portfolio.

Prerequisites: COM 2325, COM 3618, and COM 3928, or permission of the instructor.

COM 4400. Advertising Campaigns (3).F;S.

GEN ED: Capstone Experience

This course is designed to teach the student how to prepare an entire advertising campaign from start to finish. As such, it will incorporate knowledge gained from the variety of courses the student has had previously. Prerequisites: senior standing, COM 2700, and either COM 3302 or COM 3640, or permission of the instructor.

COM 4418. Public Relations Seminar (3).F;S.

GEN ED: Capstone Experience

Examines the educational preparation and requirements, as well as the professional standards, for public relations practitioners. The course analyses developments which impact the interface between organizations, their publics, and the social environment in which they operate. It is also a critical study of the role of public relations in different organizational settings. Corequisite or prerequisites: COM 4318 and senior standing, or consent of the instructor.

COM 4432. Communication Studies Seminar (3).F;S.

GEN ED: Capstone Experience

This capstone course invites students to draw connections between their previous coursework and major works in the discipline, through discussions, presentations, and writing. Students will also construct a portfolio. Prerequisites: senior standing and must be admitted to the B.S. degree in Communication Studies.

COM 4610. Specialized Reporting (3).F;S.

GEN ED: Capstone Experience

This course is an advanced news writing and reporting course in the journalism sequence. Focus is on reporting for specific news beats to produce stories of publishable quality. Emphasis is also placed on analysis of advanced forms of news writing beyond breaking news, including features and in-depth stories. Prerequisites: COM 3600 and senior standing.

Communication Sciences and Disorders

CSD 3350. Evaluating Research in Communication Sciences and Disorders (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

An introduction to the principles and practices of research in communication sciences and disorders, including experimental design, statistical methods, and application to clinical populations and evidence-based practice. Prerequisites: RC 2001 or its equivalent, STT 1810 or STT 2810 or STT 2820, and admission to the Communication Sciences and Disorders program.

CSD 4850. Adult Language Disorders (3).F;S.

GEN ED: Capstone Experience

Description, assessment, differential diagnosis and management of acquired neurogenic language disorders, including aphasia, right hemisphere disorder, traumatic brain injury, and dementia. Emphasis is given to neurological bases, characteristics, etiologies, and clinical management within the framework of the International Classification of Function. Prerequisite: admission to the Communication Sciences and Disorders program and senior standing; juniors may enroll with permission of the department. (Global Learning Opportunity course)

Computer Science

CS 1445. Introduction to Programming with Interdisciplinary Applications (4).On Demand.

GEN ED: Quantitative Literacy

This course provides an introduction to problem solving and programming using tools such as MATLAB. The course emphasizes computational methods to solve scientific problems. Topics include: control structures, data types (including structures and arrays), parameterized procedures and recursion, as well as simple I/O control. Prerequisite: MAT 1020 or MAT 1025 or equivalent with a grade of "C-" or higher. Students with doubts about their mathematics and computing background should consider taking CS 1425 (Overview of Computer Science) as a prerequisite to CS 1445.

CS 4510. Senior Honors Thesis (1-3).F;S.

GEN ED: Capstone Experience

Independent study and research. Hours are 1-3 semester hours per semester for three semester hours total with a preferred format of one semester hour the first semester and two semester hours the second semester of the senior year. Thesis must be directed by a member of the Department of Computer Science faculty and presented both orally and in writing to the department. Enrollment by permission of the Departmental Honors Committee. Course grade will be determined by the thesis advisor and the Departmental Honors Committee. Prerequisites: completion of six semester hours of departmental honors courses at the 2000 level or higher with a grade of "B" or higher in each.

CS 4800. Capstone Project (3).F;S.

GEN ED: Capstone Experience

The senior capstone project provides the student an independent and collaborative software development experience with a significant project. The course introduces aspects of project management, requirements analysis, and the software lifecycle, but will primarily be concerned with the practical integration of core theories, practices, and ethics of the discipline. Writing and speaking communication skills are reinforced. Prerequisites: senior standing and CS 3667.

Criminal Justice

CJ 3001. Writing in Criminal Justice (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course will continue with the writing skills developed from the first and second year writing courses, but will focus on specific issues and writings within criminal justice. In addition to writing (effective communication), the course will emphasize critical thinking, community responsibility within the context of criminal justice, and local to global connections. Prerequisite: RC 2001 or its equivalent.

CJ 3450. Injustice in America (3).On Demand.

GEN ED: Social Science Designation; Liberal Studies Experience

An assessment of the ideals and realities of American criminal justice processes, including law-making, policing, judicial process, correctional punishment, and media coverage of crime and criminal justice. The course takes a critical approach to criminal justice, focusing on the degree to which the realities of criminal justice practice match the theoretical ideals.

CJ 4900. Internship in Criminal Justice (3-12).F;S.

GEN ED: Capstone Experience

Field work in a criminal justice agency, office, or institution. This course offers the student the opportunity to synthesize the knowledge, approaches, and theories of the criminal justice discipline. At least three of the following four general educational goals will be addressed: thinking critically and creatively, communicating effectively, understanding responsibilities of community membership, and making global to local connections. Graded on an S/U basis. Prerequisites: CJ 1100, CJ 2120, CJ 2150, CJ 2430, CJ 3001, senior standing (or 90 semester hours of coursework) and a 2.0 GPA overall and in the major. The internship may be waived if the student has more than one year of work experience in a criminal justice agency. If it is waived, the student must complete 12 semester hours of criminal justice electives as a substitute.

Curriculum and Instruction

CI 2000. Nature and Youth (3).F;S.

GEN ED: Liberal Studies Experience

The primary focus of this course is to examine how attitudes, interests and knowledge are shaped by interactions with one's natural surroundings. Students will identify their earliest formative experiences as youth (ages 4-14) and describe how natural spaces and non-formal learning environments have contributed to what they know about the natural environment (content) and how they know it (learning). Students will participate in outdoor activities, such as hiking and a river trip, explore the

interconnectedness of life systems (self and natural world), demonstrate stewardship that improves conditions in their natural surroundings, and examine the role of non-formal educators, both experts and themselves, and outdoor enthusiasts who promote sustainable practices and/or active engagement in the outdoors. (Same as RM 2000.)

CI 2010. Narrative, New Media, and Gaming (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "How We Tell Stories")

This course addresses the ways in which we tell stories in the digital age. Through exploring storytelling in social media, mobile contexts, and gaming, students in this course will experience a range of different narratives in many types of digital media, such as interactive online stories, podcasts, and video games. We examine forms of digital storytelling within media, marketing, and education, with opportunities for students to research, participate within, and to create original narratives as they share their own stories in a variety of media. (Same as ITC 2010.)

CI 3030. Investigating Mathematics and Learning (4).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course prepares prospective teachers to construct a comprehensive understanding of effective mathematics instruction in grades K-6 with selected instructional activities designed for implementation during field placement experiences. The course includes content, methods, and materials of elementary school mathematics instruction. Topics include the content strand number and operations and process strands connections, communication, problem solving, reasoning and proof, and representation. The course emphasizes instructional design principles for teaching number and operation. Effective communication of mathematical ideas is a focal point of the course. Prerequisites: MAT 2030 and RC 2001 or its equivalent. (Same as MAT 3030.)

CI 3900. Middle Grades Internship (3).S.

GEN ED: Junior Writing in the Discipline (WID)

Prospective middle grades teachers are introduced to middle level classrooms and school communities through field experiences in professional development schools. Observation, participation, and teaching experiences ranging from individual to large group settings are included. Reflection, analysis, and discussions of practicum experiences are integrated into regularly scheduled seminars. Students will complete inquiry projects, and participate in interdisciplinary teaming while developing rapport with young adolescents and examining the context of effective middle level learning environments. This course is taken concurrently with CI 3910 and CI 3920. Lecture 20 hours; laboratory 60 hours. Graded on an S/U basis. Prerequisite: RC 2001 or its equivalent.

CI 4900. Internship/Student Teaching (6-12).F;S.

GEN ED: Capstone Experience

Teaching experiences under supervision for one semester for students who plan to teach B-12. Graded on an S/U basis.

Dance

DAN 1405. Modern Dance I (2).F;S.

GEN ED: Wellness Literacy

An introduction to modern dance as an art form with the beginning practice of movement technique.

Emphasis will be on the discovery of skills to develop the articulation and expressiveness of the body. The course will be an introduction to the medium of modern dance through the concepts of time, space, force and direction while integrating alignment and placement. Historical perspectives as well as aesthetic values will be covered. May be repeated one time for credit.

DAN 1410. Beginning Ballet I (2).F;S.

GEN ED: Wellness Literacy

A beginning study of the art of classical ballet with emphasis on basic vocabulary, alignment/placement, classical historical traditions and basic combinations of movement. May be repeated one time for credit.

DAN 1420. Jazz I (2).F.

GEN ED: Wellness Literacy

A study of beginning jazz dance technique with an emphasis on rhythmic awareness, style and cultural traditions. May be repeated one time for credit. Prerequisite: DAN 1400 or DAN 1410.

DAN 1430. African Dance I (2).F;S.

GEN ED: Wellness Literacy

This course is an introduction to the study of West African dance technique. The course emphasizes the movement vocabulary of West African dance while also providing historical and cultural perspectives on cross cultural dance styles. The course introduces students to the alignment, mechanics, musicality and performance qualities associated with West African dance, while also addressing the central role dance plays in the socio-spiritual life of African people. May be repeated one time for credit.

DAN 2010. Exploring the Arts: Dance (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

This course will explore the meaning, history, and aesthetics of dance. It will include cross-cultural comparisons and the influence of other art forms throughout the history of dance. The course will be primarily lecture with demonstrations, video, and some experiential work.

DAN 2020. World Dance (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course will explore dance as a vital contribution to cultural understanding from various regions and cultures around the world including the Americas, Africa, Europe, Asia and Oceania.

DAN 2030. Dance, Media and Culture (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course will focus on the intersection of dance, media and culture by contextualizing an emerging role of dance from an elitist perspective to a populist activity. Content will include a global perspective of dance on film, technological advances in digital dance media and the creation of fusion dance forms as a means of cultural expression.

DAN 2405. Modern Dance II (2).F;S.

GEN ED: Wellness Literacy

A second (intermediate) level study of modern technique and basic elements of dance with more emphasis given to the refinement of skills and aesthetic elements. May be repeated one time for credit. Prerequisite: DAN 1400 or permission of the instructor.

DAN 2410. Ballet II (2).F;S.

GEN ED: Wellness Literacy

A beginner/intermediate class in classical ballet technique designed to facilitate skill in allegro and adagio work with an emphasis on developing line, style, placement and musicality. Focus will be on expanding the dancer's artistry through the development of articulation, precision and conditioning. May be repeated for a total credit of four semester hours. Prerequisite: permission of the instructor.

DAN 2420. Jazz II (2).S.

GEN ED: Wellness Literacy

A second level study of jazz technique and advanced elements of dance with more emphasis given to the refinement of skills including rhythmic awareness and dynamic interpretation. May be repeated one time for credit. Prerequisite: DAN 1420 or permission of the instructor.

DAN 2430. African Dance II (2).S.

GEN ED: Wellness Literacy

African Dance II is an intermediate level, studio-based West African dance course, with an emphasis on exploring and deconstructing complex movement combinations that are typical of African dance. In this stylized performance technique, students will explore the history and movement vocabulary of the people of the west coast of Africa and investigate the role dance plays in the traditional and contemporary lives of West African communities. Studio
Prerequisites: DAN 1430, African Dance I or permission of instructor.

DAN 3430. Early Dance History (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

Early Dance History will explore ritual to classical dance forms from the earliest times through the 19th century. The course will focus on dance in relation to other art forms as well as the cultural, aesthetic and philosophical influences on dance.

DAN 3435. Dance History in the Modern Era (3).S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

Contemporary Dance History will explore concert dance styles from the 20th century to the present day. Special emphasis will be given to cultural, aesthetic and philosophical influences on contemporary concert dance.

DAN 4460. Somatics (3).F;S.

GEN ED: Wellness Literacy

This course will focus on functional anatomy and kinesiology to explore different approaches to therapeutic body-centered learning and current concepts in wellness. The course will be lecture and experiential in nature. [Dual-listed with DAN 5460.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

DAN 4830. Collaborative Process (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course will explore the collaborative process in dance. Histories of great collaborations will be explored. Theoretical perspectives of creative process, the nature of creativity in collaborative work, crossing disciplines, and group process will be addressed. The course will be lecture, discussion and experiential in nature. Research projects and collaborative projects will be presented orally.

Prerequisites: senior standing and permission of the instructor; and RC 2001 or its equivalent.

DAN 4840. Capstone (3).S.

GEN ED: Capstone Experience

Capstone is the culminating course requirement for the Bachelor of Arts degree in Dance Studies. It is an opportunity for the student to explore and discover the connections between the discipline of dance and another selected area of study. Students will be expected to create an in-depth senior project which illustrates and focuses on this resulting integration of disciplines. Students will be required to present and discuss the development as well as other aspects of their project in class, and they will also be required to present their final project in a public forum to students and faculty. A written synthesis of the process and project reflecting on the student's ability to create meaningful connections between disciplines is also required. Prerequisites: THR 3735 or permission of the instructor.

Economics

ECO 2030. Principles of Microeconomics (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

A brief introduction to the study of economics followed by an in-depth analysis of microeconomics, including: the price mechanism and supply and demand analysis; consumer choice; cost and revenue analysis of the firm; market structures; factor markets and income distribution; market failure and the role of government; and current economic problems such as pollution, poverty and discrimination.

ECO 2040. Principles of Macroeconomics (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

An in-depth analysis of macroeconomics including: aggregate economic measures; aggregate supply and demand analysis; economic fluctuations and growth; money, banking and credit; stabilization policy; problems such as unemployment, inflation and budget and trade deficits; and international trade and finance. Prerequisite: ECO 2030. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

ECO 2100. Business and Economic Statistics I (3).F;S.

GEN ED: Quantitative Literacy

A study of statistical tools used to analyze business and economic problems. The major subject matter includes descriptive statistics, the concepts of probability, confidence intervals and hypothetical testing, and statistical comparisons of production and marketing methods. Prerequisite: MAT 1035 or MAT 1030 or MAT 1020. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

ECO 2200. Business and Economic Statistics II (3).F;S.

GEN ED: Quantitative Literacy

Applications of statistical tools to a variety of business and economic situations. These tools include survey sampling methods, hypothesis testing using analysis of variance, regression and time-series analysis, and non-parametric statistics. Computer applications using current industry-standard statistical software programs are emphasized. Writing statistical reports is also emphasized. Prerequisites: ECO 2100 or STT 2810 or STT 2820. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

ECO 2620. Environmental and Resource Economics (3).S.

GEN ED: Social Science Designation; Liberal Studies Experience

The course explores the efficient allocation of environmental and natural resources and examines the continuing conflict between economic activity and environmental quality and the conservation of natural resources. The course applies economic theory to local, regional, national, and international environmental issues.

ECO 4810. Seminar in Economics (3).F;S.

GEN ED: Capstone Experience

In-depth research and analysis of selected economic issues and problems. Required of all seniors majoring in economics or banking. Students participate in discussions of significant economic problems, theories and policies. Preparation of empirical papers that apply theoretical models and quantitative methods is required. These papers will be presented orally and in writing to the seminar participants. Prerequisites: a minimum grade of "C" in any Writing in the Discipline (WID) course, ECO 3010, ECO 3020, and senior standing.

English

ENG 1500. Introduction to Literature (3).F.

GEN ED: Liberal Studies Experience

Literature: what it is, how to read it, and how to write about it. This course counts toward General Education Liberal Studies Experience requirements, but **DOES NOT fulfill the Literary Studies designation**. No prerequisite.

ENG 2030. World Literature to 1650 (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

A survey of world literature before the modern period (read in English). Prerequisite: RC 1000.

ENG 2040. World Literature since 1650 (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "From Empire to Globalization")

A survey of world literature beginning with the modern period (read in English). Prerequisite: RC 1000.

ENG 2050. Studies in British Literature (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

A study of selected works of British Literature. Course content will vary and may concentrate on poetry, fiction, drama, or a combination. ENG 2050 will not fulfill British literature core for BA in English or BS in English, Secondary Education majors. Prerequisite: RC 1000.

ENG 2060. Great Books (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

An exploration of great books and literary canons through a variety of texts and genres. May be organized thematically, by region, and/or by literary period. Prerequisite: RC 1000.

ENG 2070. World Mythologies

GEN ED: Literary Studies Designation; Liberal Studies Experience

An exploration of the literature of world mythologies. Prerequisite: RC 1000

ENG 2120. African-American Literature (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "American Culture: Past and Present")

A critical study of the work of outstanding African-American writers. Prerequisite: RC 1000.

ENG 2130. Ethnic American Literature (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

A study of major ethnic American literature, with a particular focus on Latino American, Asian American, and/or American Indian writers. Prerequisite: RC 1000.

ENG 2170. Introduction to Film (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "How We Tell Stories")

A critical examination of notable examples of the filmmaker's art from silent movies up to the modern era, including a variety of film genres and including both American and foreign films. Prerequisite: RC 1000.

ENG 2175. Films That Matter (3). F;S.

GEN ED: Liberal Studies Experience

Topics in film, with a focus on particular movements, genres, directors, trends, cultural traditions, or themes. Prerequisite: RC 1000.

ENG 2190. Science Fiction and Fantasy (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

A study of selected works of science fiction and fantasy. Course content will vary and may concentrate on a combination of fiction and film.

Prerequisite: RC 1000.

ENG 2350. Studies in American Literature (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

A study of selected works of American literature. Course content will vary and may concentrate on poetry, fiction, drama, or a combination. ENG 2350 will not fulfill American literature core for BA in English or BS in English, Secondary Education majors. Prerequisite: RC 1000.

ENG 2360. American Literature and the Arts (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "Cultivating Creative Expression")

This course examines how American literature responds creatively to lived experience in dialogue with other art forms. Individual courses will explore different time periods as well as focus on American literature in relation to larger scale creative and artistic movements in American culture. Prerequisite: RC 1000.

ENG 2430. Animals and Literature

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "The Human-Animal Bond")

An exploration of the representation of animals in literature; students will learn about a range of cultural values that have shaped human interactions with nonhuman animals. Class readings may be drawn from a particular literary period or national literature, may range across literary periods and national borders, or may be selected thematically. Prerequisite: RC 1000.

ENG 3000. Approaches to Literary Studies (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

An introduction to the discipline of literary studies, with an emphasis on theoretical approaches, literary research, and critical writing. Prerequisite: RC 2001 or its equivalent.

ENG 3100. Business Writing (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Focus on business writing concepts, ethics, and research. Emphasis on applied genres: specialized letters and memoranda, resumes, proposals, analytical and fact-finding reports, and other essential forms of professional communication. Prerequisites: RC 1000, RC 2001 or its equivalent, and completion of 54 semester hours of credit.

ENG 3580. Teaching Composition: Theory, Practice, and Pedagogy (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Theory, practice, and pedagogy in the teaching of writing at the secondary level. Prerequisites: RC 2001 or its equivalent and ENG 3300.

ENG 3695. Technical Writing for Computer Science (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Focus on technical writing concepts, usability and accessibility, ethics, research, and career-related materials. Emphasis on applied genres: digital instructions, technical definitions, terms of use policies, technical reports that cover multiple genres, digital documentation, and career preparation and documentation (resumes, cover letters, job talks specific to the field). Prerequisite: RC 2001 or its equivalent and must have at least junior standing as a declared CS major. Students may not receive credit for both ENG 3700 and ENG 3695.

ENG 3700. Technical Writing (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Focus on technical writing concepts, usability, ethics, and research. Emphasis on applied genres: instructions, process descriptions, abstracts, definitions, technical reports, and various electronic forms. Prerequisites: RC 2001 or its equivalent and ENG 3090 or permission of the instructor.

ENG 3712. Literature and Mass Violence (3).S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

In this course, students will explore mass violence in literature, the limits of representation, as well as narratives dealing with memory, trauma, and survival. Draws on a variety of fields, including Holocaust and Genocide Studies. Prerequisite: RC 1000. (Same as JHP 3712.)

ENG 3715. Literature and the Environment (3).F.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "The Human-Animal Bond")

An exploration of literature through the theoretical lens of ecocriticism; students will examine the ways environmental values and practices are expressed in literature. Class readings may be drawn from a particular literary period or national literature, may range across literary periods and national borders, or may be selected thematically. Prerequisite: RC 1000. (Same as SD 3715.)

ENG 4171. Capstone in Film Theory and Criticism (3).F.

GEN ED: Capstone Experience

A senior capstone experience examining in depth the historical development of film criticism and

contemporary film theory and technique. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 2170, 3000, senior standing, and permission of the instructor. Students who have previously received credit for ENG 4170 may not enroll in or receive credit for ENG 4171.

ENG 4173. Capstone in Advanced Studies in Film (3).S.

GEN ED: Capstone Experience

A senior capstone experience examining the work of a particular film artist, a select group of filmmakers or a specific film genre. A basic knowledge of film history and techniques is expected of students taking the class. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 2170, 3000, senior standing, and permission of the instructor.

ENG 4300. Seminar in Professional Writing (3).S.

GEN ED: Capstone Experience

Emphasis on refining writing and presentation skills for the workplace. Students will complete a client-based project and an e-portfolio. Prerequisites: ENG 3090, plus six semester hours of credit in the Professional Writing concentration under the BA in English.

ENG 4510. Senior Honors Thesis (3).F;S.

GEN ED: Capstone Experience

Independent study and research. Honors thesis directed by a member of the Department of English and graded by a departmental committee. Oral presentation. Prerequisites: completion of ENG 3000, ENG 4508 and ENG 4509 with at least a "B" average.

ENG 4550. Senior Seminar in Creative Writing (3).F;S.

GEN ED: Capstone Experience

Content to vary, but may include experimental fiction writing, dramatic writing, poetic forms, and advanced workshops in revision. May be repeated for credit when content does not duplicate. Prerequisite: ENG 3651, ENG 3652, ENG 3670/THR 3670, ENG 3679/THR 3679, or ENG 3680/COM 3680. (ENG 3661, ENG 3662, or ENG 3663 is a suggested prerequisite, but students may also enroll in the seminar with the permission of the instructor.)

ENG 4571. Capstone in American Indian Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on American Indian literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4581. Capstone in African-American Literature (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on African-American literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4586. Capstone in Ethnic American Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Ethnic American literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4592. Capstone in Topics in World Literature (3).F;S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on World literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4711. Capstone in Women and Literature (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on the representation of women in literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4721. Capstone in Appalachian Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Appalachian literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4726. Capstone in Southern Literature (3).F.Odd-numbered years.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on major authors and works of southern literature. Includes work of such authors as Thomas Jefferson, Frederick Douglass, Charles Chesnut, Zora Neale Hurston, William Faulkner, Lillian Smith, Tennessee Williams, Flannery O'Connor, Alice Walker, Toni Morrison, and Randal Kenan. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4731. Capstone in the Novel (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on the novel and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4761. Capstone in Literary Criticism (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on literary criticism and theory and culminating in an independent research project. Fulfills the

capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4771. Capstone in Early American Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Early American literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4781. Capstone in American Literature: 1783-1865 (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on the major authors under whose leadership American literature achieved world prominence. Includes the work of such authors as Irving, Emerson, Hawthorne, Fuller, Whitman, Poe, Thoreau, Melville, Stowe, Douglass, and Dickinson. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4786. Capstone in American Literature: 1865-1914 (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on American Realism and Naturalism. Includes the work of such authors as Twain, James, Howells, Wharton, Dreiser, Crane, Chesnut, and Chopin. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4791. Capstone in Modern American Literature: 1914-1960 (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on modern American literature (1914-1960) and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4796. Capstone in Contemporary American Literature: 1960-present (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on contemporary American literature (1960- present) and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4811. Capstone in Folklore (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on folklore and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4815. Rachel Rivers Coffey Colloquium in Creative Writing (3).F.

GEN ED: Capstone Experience

An advanced creative writing workshop taught in conjunction with a visiting nationally distinguished senior writer. Content to vary by genre. Fulfills the capstone requirement for the Bachelor of Arts degree in English with a concentration in Creative Writing. May be repeated for credit when content does not duplicate. Prerequisite: ENG 3651, ENG 3652, ENG 3670/THR 3670, ENG 3679/THR 3679, or ENG 3680/COM 3680 and senior standing. (ENG 3661, ENG 3662, or ENG 3663 is a suggested prerequisite, but students may also enroll in the colloquium with the permission of the instructor.)

ENG 4821. Capstone in Medieval British Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Medieval British literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4826. Capstone in the Age of Chaucer (3).F. Even-numbered years.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on the writings of Chaucer and his contemporaries and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4831. Capstone in Shakespeare: Early Works (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Shakespeare's earlier works and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4841. Capstone in Shakespeare: Later Works (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Shakespeare's later works and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4851. Capstone in Renaissance Literature (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on literature of the Renaissance and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4861. Capstone in Restoration and Eighteenth Century Literature (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on literature of the English Restoration and Eighteenth Century and culminating in an

independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4871. Capstone in British Romantic Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on British Romantic literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4881. Capstone in Victorian Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Victorian literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4891. Capstone in Twentieth Century British Literature: 1900-1945 (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Twentieth Century British literature (1900-1945) and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4896. Capstone in Twentieth Century British Literature: 1945-present (3).S.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Twentieth Century British literature (1945-present) and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

ENG 4899. Capstone in Topics in Irish Literature (3).S.Alternate years.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Irish literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

Environmental Science

ENV 3105. Preparation for Environmental Science Careers (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course is open to Environmental Science (ENV) majors who have successfully completed R C 2001, the second year writing course. This course introduces students to the methods and skills in the discipline related primarily to environmental research methods and written communication. Student learning is augmented with peer-review of fellow students' work and participation in review and revision processes. A wide range of environmentally-related issues and current events act as the

backdrop for the WID activities. Additional modules include scientific ethics and sustainability. All of these activities help prepare students to more effectively conduct projects and communicate with fellow STEM professionals in their future careers. Required readings and related discussions will include scientific journal articles, synthesis papers on environmental topics, opinion papers, and technology transfer articles. Lecture two hours, laboratory three hours.

Prerequisite: RC 2001.

ENV 3100. Issues in Environmental Science (1).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course is open to third year Environmental Science (ENV) majors who have successfully completed RC 2001, the second year writing course. ENV 3100 fulfills the third year writing in the discipline requirement for ENV majors and must be completed prior to taking ENV 4100, the capstone course. The content will emphasize readings and discussions of important contemporary themes in the biological, chemical, and geophysical areas of environmental science, with an emphasis on developing and honing various types of scientific writing skills for different audiences. Required readings and related discussions will include scientific journal articles, synthesis papers on environmental topics, opinion papers, and technology transfer articles. Prerequisite: RC 2001 or its equivalent.

ENV 4100. Environmental Science Seminar (3).F;S.

GEN ED: Capstone Experience

This capstone course emphasizes the critical need for a multi-disciplinary and cooperative approach to solving challenging environmental issues on local and global scales. The course is project-driven and employs literature and case study research, data gathering, and active group problem-solving to address issues such as scientific and engineering solutions, environmental and economic impacts, regulatory compliance, and public policy. Students are required to disseminate project results via written reports, oral presentations, and/or poster sessions. This course serves as the senior capstone course for students enrolled in the Bachelor of Science degree in Environmental Science. Lecture two hours, laboratory three hours. Prerequisites: ENV 3100, ENV majors only, and senior standing or permission of the instructor.

ENV 4105. Analysis and Implications of Environmental Issues (1).F;S.

GEN ED: Capstone Experience

This capstone course emphasizes the critical thinking about environmental problems and solutions, grounded in a multi-disciplinary and systems approach. Students will analyze the causes and implications of environmental problems at the global, national and local level from an issue-based perspective. Students will learn to use the concept of Earth System Science as a framework to assess and act upon environmental problems. The scientific literacy skills gained in this course will be pivotal to the continued success of our graduates in their environmentally-related and/or academic careers. Students are required to disseminate project results via written reports, oral presentations, and/or poster sessions. This course serves as the senior capstone course for students enrolled in the Bachelor of Science degree in Environmental Science.

Prerequisites: ENV 3105, ENV majors only, and senior standing or permission of the instructor.

ENV 4110. Environmental Management and Impact Analysis (3).S.

GEN ED: Capstone Experience

An applied course that introduces students to implementing National Environmental Policy Act (NEPA) regulations and guidelines. Prerequisites: ENV 3100 or GLY 3703, and GHY 3812. (Same as GLY 4110.)

ENV 4510. Senior Honors Research and Thesis (1-3).On Demand.

GEN ED: Capstone Experience

Independent in-depth research and preparation of a thesis on a significant topic in environmental science, directed by a thesis faculty advisor in the environmental science program or in another science/math department within the College of Arts and Sciences. A thesis is presented in writing to the environmental science program honors coordinator along with an oral presentation to faculty. The thesis is to be examined (defended) and approved by both the thesis faculty advisor and by a second reader from a different department. The course grade is determined by the thesis faculty advisor and by the environmental science program honors coordinator. This course is required for graduation with honors in environmental science. Prerequisites: ENV 3560, a GPA of at least 3.45 overall and in environmental science courses, the approval of the proposed research topic and methods by the environmental science program honors coordinator, and the assignment of a research thesis advisor during the semester prior to enrollment in this course. ENV 4510 may be repeated for a total credit of three semester hours.

Exercise Science

ES 3002. Exercise Physiology (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

The course will focus on: basic energy, musculoskeletal, nervous, cardiovascular and respiratory systems as they relate to aerobic and anaerobic exercise. Emphasis will be placed on the adaptations of these systems to training. Lecture three hours. Prerequisite: Declared Athletic Training major or Exercise Science major or minor; RC 2001 or its equivalent; ES 2030 or ES 2031/ES 2032.

ES 3005. Advanced Physiological Assessment (3).F;S.

GEN ED: Capstone Experience

This course introduces the student to exercise leadership with an application of advanced physiological assessment. Maximal exercise testing, resting and exercising electrocardiogram, assessments for aerobic and anaerobic power, exercise capacity, measurement outcomes, and exercise programming will be covered in theory and application. Prerequisites: Declared Exercise Science major or minor, ES 2005 and ES 3002.

Family and Child Studies

FCS 2103. Family Development: Origins and Movement (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

A study, using the multicultural life span approach, of factors affecting human and family development. Theories, patterns, structures and functions of diverse family groupings and interactions and interrelationships in family processes and development will be considered in relation to current research. Students will research their individual family origins and movement over time to understand

the current change in ethnic diversity. Students will also study and analyze critical family issues and compare these issues within different cultures in the United States and around the world. Lecture three hours.

FCS 2110. Global Awareness: Examining the Human Condition (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

A human ecological approach to the issues related to hunger, child and maternal mortality, access to primary education, and reproductive health. Economic, social, political, and geographic concepts will be related to current indicators of the United Nations Millennium Development Goals in order to analyze impacts on individuals and families. Students will develop and evaluate strategies that enhance living conditions for families in local and global contexts. Emphasis will be directed toward families most affected by negative living conditions. Lecture three hours.

FCS 2111. Social Diversity and the Family (3).F;S.

GEN ED: Liberal Studies Experience

This course will examine family as an institution through cross-cultural, social, and historical contexts. The purpose of the course is to provide students with an introduction to theoretical perspectives used in the study of families, knowledge of the history of family life, and learning experiences that provide opportunities to think critically, communicate intelligently, and make informed opinions about contemporary family issues. Connections to other courses within the individual and society theme will focus on individual and group decision making within the context of the family. Lecture three hours.

FCS 3102. Family, Child and Professional Interactions: A Focus on Young Children (3).F.

GEN ED: Junior Writing in the Discipline (WID)

A family development approach to parent, child and professional interactions with a specific focus on communication patterns and family structure. Students will study and evaluate strategies which enhance positive interactions relevant for working with parents and professionals. Emphasis will be directed toward normative and catastrophic family issues. Lecture three hours. Prerequisites: FCS 2103, FCS 2104; and RC 2001 or its equivalent.

FCS 3105. Practicum II (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This practicum is designed to build on and extend competencies learned in Practicum I. Students in this practicum will be required to work with children ages birth-2 or 3-5 years of age, depending on prior practicum placement. Students also will be required to plan and implement developmentally appropriate environments, learning experiences, and interactions with children and their families. In addition, students will be expected to demonstrate an advanced level of reflection and integration, as well as appropriate professional behavior. The practicum consists of a minimum of 150 contact hours in a program serving young children. Periodic seminars will be required. Prerequisites: FCS 3104/CI 3104/SPE 3104 or permission of the instructor; and RC 2001 or its equivalent. Graded on an S/U basis. (Same as CI 3105/SPE 3105.)

FCS 4400. Professional Seminar (1).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A study of concepts and skills essential for successful entry into the professional world including job search strategies, resume development, interview strategies, written and oral communication, professional ethics, and career management and development. Lecture one hour. Prerequisites: FCS

1400 and senior level standing or approval of the major advisor. Should be completed before taking FCS 4900.

FCS 4900. Internship (3-12).F;S.

GEN ED: Capstone Experience

Field experience or employment in the area of the student's interest in child development. Supervision and evaluation by the employer and the faculty member.

Prerequisites:

- A. 2.00 overall grade-point average
- B. College rank: juniors (60+ s.h.)
- C. Completed 35 semester hours of family and child studies courses including FCS 4400 (except 24 semester hours for family and consumer sciences secondary education licensure).
- D. Internship proposal fully approved
- E. Major courses in Child Development completed:
FCS 2101, FCS 2102, FCS 2103, FCS 2104, FCS 3107, FCS 4408; NUT 2201.

Graded on an S/U basis. Hours requirement for three credit hours is 120 hours with 40 hours required for each additional credit.

Fermentation Sciences

FER 1000. Principles of Fermentation Sciences (3).S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

Principles of fermentation sciences will cover the history, culture, and fundamental science of the fermentation processes, basic food science, microbiology, chemistry, biology, natural products chemistry and nutrition. FER 1000 will introduce concepts relating to the cultivation of grapes, grains and hops utilized in the fermentation industry. Students will be exposed to the basic methods and principles behind the fermentation process including production of cheese, bread, vegetables, meats, beer, wine, bio-fuels and distilled products.

FER 3200. Facility Design and Operation (3).S.

GEN ED: Junior Writing in the Discipline (WID)

This course will provide students with knowledge relevant to the design and operation of standard production facilities. Scientific principles will include fluid and mass transfer and thermodynamics. Students will gain experience interpreting systems and process identification diagrams and equipment design, layout and flow-through. This course will be project-based, where students are required to research and design an appropriate facility including handling of raw materials, waste streams, fermentation, distillation and packaging including cost analysis. Projects will be undertaken in teams and require professional written/oral documentation and presentation.

FER 4300. Sensory Analysis of Wine and Beer (3).S.

GEN ED: Capstone Experience

FER 4300 serves as a final course in the FER series intended to provide students with a competency in sensory science and its relevance to food and beverage production. Students must be 21 years of age although the "sip and spit" technique for proper sensory analysis will be advocated. The course will provide students with the basic principles involved in sensory perception and how these skills are used for quality assurance and detection in the food industry. Students should be adequately prepared to

methodically assess products, identify characters and faults, and relate them to scientific principles presented in previous courses and experiences. Competency in statistics and methods of determining statistical differences is requisite for this course. Aspects of branding, marketing, business, laws and liabilities will be integrated into class discussions and projects. Prerequisites: FER 4100 or FER 4200/ CHE 4200, and STT 2810.

Finance

FIN 2860. Personal Finance (3).F;S.

GEN ED: Liberal Studies Experience

A study of the key concepts, tools, and techniques of personal financial management. Focus is placed on the financial statements of the individual. The balance sheet model includes a discussion of personal assets - both financial and non-financial, personal liabilities including all types of loans, and personal net worth. The implications of the current financial environment (i.e., changing tax laws, savings instruments, interest rates, etc.) is also considered from the standpoint of the individual.

French

FRE 1050. Intermediate French II (3).S.

GEN ED: Liberal Studies Experience

Focus on various aspects and perspectives of selected French-speaking cultures outside of France, including francophone peoples of Canada, the Caribbean, and/or the African continent. Continued development of communicative language skills through contact with authentic materials, readings, and films. Prerequisite: FRE 1040 or the equivalent. Laboratory work required.

FRE 1060. Accelerated Intermediate French (6). On Demand.

GEN ED: Liberal Studies Experience

Combines FRE 1040 and FRE 1050. Prerequisite: FRE 1020 or the equivalent. Class meets daily for a total of 300 minutes per week. Laboratory work required. (*NOTE: Only 3 s.h. of this 6 s.h. course may count for general education credit.)

FRE 3035. Literature and Film (3).S. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

This course will focus on select literary texts of French expression and cinematographic adaptations of them. This course satisfies the 3000/4000-level major requirement in French literature. The course content may vary, but FRE 3035 may count only once in fulfillment of major or minor program requirements in French. Prerequisite: one 2000-level FRE literature course (FRE 2025, FRE 2045, FRE 2055, or FRE 2065) or consent of the instructor; and RC 2001 or its equivalent.

FRE 3045. Translation Techniques (3).F.

GEN ED: Junior Writing in the Discipline (WID)

Introduction to practical translation techniques to prepare students of French to produce French-English and English-French translations. Required for majors. Prerequisites: FRE 2005 and one 2000-level FRE literature course (FRE 2025, FRE 2045, FRE 2055, or FRE 2065); and RC 2001 or its equivalent.

FRE 3050. Masterworks of Francophone Literature (3).S.Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

This course will focus on select literary texts by writers of the French-speaking world beyond France, with special emphasis on (post) colonial literatures of francophone Africa and the Antilles. This course satisfies the 3000/4000-level major requirement in French literature. The course content may vary, but FRE 3050 may count only once in fulfillment of major or minor program requirements in French.

Prerequisite: one 2000-level FRE literature course (FRE 2025, FRE 2045, FRE 2055, or FRE 2065) or consent of the instructor; and RC 2001 or its equivalent.

FRE 3065. Francophone Culture Through Film (3).F.

GEN ED: Junior Writing in the Discipline (WID)

An in-depth study of selected films that reveal traditional and contemporary aspects of Francophone culture with focus on such issues as immigration and past colonization, nationalism, religion, freedom, education, parenthood, marriage, and aging. Special consideration of films produced in France, Africa, Canada, Belgium, and Switzerland. Laboratory work required. Prerequisites: junior or senior standing and FRE 3080; and RC 2001 or its equivalent.

FRE 4565. Advanced French Expression (3).F.

GEN ED: Capstone Experience

Students will have the opportunity to advance their oral and written proficiencies by examining and using different registers of contemporary spoken French as well as analyzing different written genres. Their oral work will be based on reading and discussing current articles from newspapers and periodicals; their written work will be modeled on selected literary and cultural narratives written by experienced French writers. Prerequisites: senior or graduate standing and FRE 3080, or consent of the instructor. [Dual-listed with FRE 5565.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

Gender, Women's and Sexuality Studies

GWS 2421. Sex, Gender, and Power (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

This course provides an interdisciplinary introduction to the critical study of sex, gender, and power in historical and contemporary contexts. This course utilizes an intersectional approach that considers the interrelatedness of gender, race, sexuality, disability, class, and other axes of identity. In addition, this course serves as an introduction to the interdisciplinary field of Gender, Women's and Sexuality Studies.

GWS 2525. Global Women's Issues (3).S.

GEN ED: Integrative Learning Experience (Theme: "From Empire to Globalization")

This course explores the diversity of women's experiences emerging from postcolonial or "third world" contexts, with particular attention to the challenges that considerations of differences as well as transnational connections pose for feminist thought and practice. Questions of representation, agency, and border crossings are grounded in local histories and the ambiguous implications of a globalization and "development" in out- of-the-way places.

GWS 2600. Introduction to LGBT Studies (3).F.

GEN ED: Liberal Studies Experience

This course will provide a multi-disciplinary introduction to the study of historical, cultural, political and theoretical issues relevant to lesbian, gay, bisexual, and transgender individuals and communities and their allies.

GWS 3000. Feminist Theories (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course surveys a wide range of contemporary theories of gender, sex, sexuality, and inequality. Students will engage intersectional and transnational approaches to feminist theorizing and develop a critical framework for questioning assumptions about sex, gender, and sexuality. Prerequisite: RC 2001 or its equivalent.

GWS 4101. Capstone in Major Figures (3).On Demand.

GEN ED: Capstone Experience (CAP)

Variable topic. A senior capstone experience in the in-depth study of the contributions of one or more major figures in gender, women's, and sexuality studies. Prerequisites: senior standing.

GWS 4301. Capstone in Transnational Topics in Gender, Women's and Sexuality Studies (3).On Demand.

GEN ED: Capstone Experience (CAP)

Variable topic. A senior capstone in feminist engagements with empire, globalization, and diaspora. Prerequisites: senior standing.

GWS 4601. Capstone in Queer Theory (3).On Demand.

GEN ED: Capstone Experience (CAP)

A senior capstone experience in the advanced study of ideas and figures central to queer theory. Questions explored include the norms and assumptions that structure our understanding of identity and its complex relationship to sexuality, sex and gender. Figures discussed include Foucault, Sedgwick and Butler. This course also investigates queer theory's critique of both hetero- and homo-normativity. Students who have previously received credit for GWS 4600 may not enroll in or receive credit for GWS 4601. Prerequisites: senior standing.

GWS 4701. Capstone in Seminar in Gender, Women's and Sexuality Studies (3).On Demand.

GEN ED: Capstone Experience (CAP)

Variable topic. A senior capstone experience in an in-depth study of a contemporary issue, movement, or debate in gender, women's and sexuality studies. Prerequisite: senior standing.

GWS 4901. Capstone Internship in Gender, Women's and Sexuality Studies (3).On Demand.

GEN ED: Capstone Experience (CAP)

Supervised work in an appropriate field experience. Students will complete and present a paper on a topic central to their internship experience. Students who have previously received credit for GWS 4900 may not enroll in or receive credit for GWS 4901. Prerequisites: senior standing and approval from the Director of Gender, Women's and Sexuality Studies prior to enrolling. Graded on an S/U basis.

General Science

GS 4403. Teaching Science in Middle and High Schools (3). F:S.

GEN ED: Junior Writing in the Discipline (WID)

This course is for the prospective middle/high school science teacher and it focuses on effective instructional strategies for teaching principles associated with major school science disciplines. Emphasis is placed on planning, science process skills, inquiry-based instruction, hands-on/minds-on activities, improvising materials, demonstrations, and assessment techniques. Special emphasis is also placed on the North Carolina Standard Course of Study and the Next Generation Science Education Standards. A minimum of 15 hours of experience in public school classrooms will be required as part of this course. It is STRONGLY ADVISED that all other requirements for licensure (except student teaching) be completed prior to this course. [Dual-listed with GS 5403.] Dual-listed courses require senior standing; juniors may enroll with permission of the department. Prerequisite: RC 2001 or its equivalent.

GS 4404. The Meaning and Nature of Science (3).F.

GEN ED: Junior Writing in the Discipline (WID)

The goal of this course is to help students develop a sound understanding of the nature of science, the process of scientific inquiry, and the reciprocal relationship between science and society through a critical examination of the history of science since the Renaissance. Lecture three hours. [Dual-listed with GS 5404.] Dual-listed courses require senior standing; juniors may enroll with permission of the department. Prerequisite: RC 2001 or its equivalent.

Geography

GHY 1010. Introduction to Physical Geography (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

A comprehensive study of our physical earth emphasizing the distributional patterns and inter-relatedness of its land, soils, natural vegetation and habitat, and weather and climate. Examinations of environmental issues including hazardous wastes, acid rain, floods, droughts, deforestation and air pollution.

GHY 1011. Global Climate Change (4).F;S.

GEN ED: Science Inquiry (Theme: "Global Environmental Change")

This course provides a scientific examination of global climate change, including the physical patterns within the atmosphere, climate change due to both natural and anthropogenic forcing mechanisms, and projections of future change at various spatial scales. Students will employ the scientific method in a series of field-based experiments to answer problems and address issues that complement the lecture material and focus on aspects of global climate change. Lecture three hours, laboratory two hours.

GHY 1012. Global Change of the Biosphere (4).F;S.

GEN ED: Science Inquiry (Theme: "Global Environmental Change")

An introduction to the patterns, dynamics, and causes of change in the biosphere. Students will examine the fundamental geographic determinants of biodiversity patterns and the natural and human factors that drive biotic change, including climate change, land cover change, and biological invasions. Students will use the scientific method in hands-on laboratory activities to investigate causal relationships between global change processes and biome shifts, species migration, extinction, and loss of

biodiversity. Lecture three hours, laboratory two hours.

GHY 1020. Geographic Diversity and Globalization (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

The study of our contemporary world divided into the regions of North America, Central and South America, Africa, the Middle East, Europe, the Russian Realm, and South, East and Southeast Asia. Examination of global issues including population problems, technology and culture change, rural versus urban development, resource exportation and international trade, political identity and international conflict.

GHY 1040. Introduction to Human Geography (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course examines the spatial patterns of human society. By focusing on the description and analysis of the spatial dimensions of human language, economy, religion and government, this course is a celebration of human diversity. Lectures, readings, films, slides, writing exercises, map quizzes and class discussions will help the student to understand and appreciate the geography of the human mosaic.

GHY 3000. Communicating Geographic Information (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course introduces students to writing styles in geography and provides practice with written and oral communication skills in a variety of academic and professional contexts. Students will critically evaluate geographic writing and oral presentations, use writing as a means of enhancing clarity of thought and depth of knowledge in geography, and communicate effectively in academic and professional settings. Prerequisites: junior standing and registration is restricted to geography majors; and RC 2001 or its equivalent.

GHY 3014. Geography of Latin America (3).F.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Las Americas")

This course stresses the diversity of physical environments, cultural traditions, and economic activities within Latin America and places special emphasis on the unique approaches that geographers bring to the study of this region. This course develops understanding of spatial patterns in Latin America through current readings, class discussions, lectures, slides, and videos.

GHY 4830. Professional Development in Geography and Planning (3).F;S.

GEN ED: Capstone Experience

This course provides a capstone experience, bringing together a variety of geography and planning skills, abilities and knowledge. It integrates academic concepts with real-world experience and helps the student advance from the undergraduate academic environment to a geography career and/or to graduate study. (Same as PLN 4830.)

Geology

GLY 1101. Introduction to Physical Geology (4).F;S.

GEN ED: Science Inquiry (Theme: "Restless Planet: Earth, Environment, and Evolution")

)Introduction to the composition, origin, and modification of Earth materials through the study of the Earth's interacting dynamic systems; study and application of the scientific method with reference to

the principles of geology as demonstrated through use of case histories and laboratory material. Lecture three hours, laboratory two hours. (ND prerequisite: passing the math placement test or successful completion of MAT 0010.)

GLY 1102. Introduction to Historical Geology (4).F;S.

GEN ED: Science Inquiry (Themes: "Life, Earth, and Evolution" and "Restless Planet: Earth, Environment, and Evolution")

A study of the historical and biological aspects of the science of geology – tectonic models for understanding earth structure and lithospheric history, the physical and paleontological bases for understanding geologic time and dating rocks, biological principles relating to the evolution of organisms revealed in the fossil record, facts and theories of biological evolution, a survey of the evolution of organisms through time, the geologic history of North America, and discussion of the scientific aspects of the scientific-religious controversy of evolution vs. creationism. Lecture three hours, laboratory two hours. (ND prerequisite: passing the math placement test or successful completion of MAT 0010.)

GLY 1103. Environmental Change, Hazards, and Resources (4).F;S.

GEN ED: Science Inquiry (Themes: "Restless Planet: Earth, Environment, and Evolution" and "Global Environmental Change")

A survey of the chemical and physical processes that change the Earth's crust and surface creating geologic hazards and environmental problems for people; human perturbations of the environment that directly and indirectly affect geological change and human life, such as mining, waste disposal, and agricultural practices; and the principles of origin, distribution, availability, environmental consequences of use, and exploration of the Earth's mineral and water resources. Lecture three hours, laboratory two hours. (ND prerequisite: passing the math placement test or successful completion of MAT 0010.)

GLY 1104. Water: Mountains to Sea (4).F;S.

GEN ED: Science Inquiry (Themes: "The Blue Planet" and "Global Environmental Change")

A study of the interaction between terrestrial water and geological phenomena. The course applies the scientific method to the study of the continental components of the hydrologic cycle. It also focuses on the interaction of water with the rock and plate tectonic cycles. Lecture three hours, laboratory two hours.

GLY 1105. Oceanography (4).S.

GEN ED: Science Inquiry (Theme: "The Blue Planet")

A study of physical, chemical, biological, and geological oceanography and their interrelationships. Lecture three hours, laboratory two hours. (ND prerequisite: passing the math placement test or successful completion of MAT 0010.)

GLY 1842. Dinosaurs: Then and Now (3). F.

GEN ED: Integrative Learning Experience (Theme: "How We Know What We Know About the Past: Method, Evidence, Knowledge")

Perhaps no fossil animals are more familiar than the so-called "terrible lizards," the dinosaurs. Paleontology is, by definition, a blend of geology and biology, and this course will examine dinosaurs through both disciplinary lenses, as well as considering the history of dinosaur science and the prevalence of dinosaurs in popular culture. This class will survey all aspects of dinosaur paleontology, considering them as fossil organisms and examining their geological, temporal, and current and paleogeographic distribution.

GLY 2301. The History of Coal from the Pennsylvanian to the Present (3).S.

GEN ED: Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

Coal has played a critical role in the history of the southern Appalachians. The geologic processes that formed coal and shaped the landscape into the steep ridges and hollows of the Appalachian coalfields have directly affected the human history of the region – from hunting in pre-colonial times, to settlement and subsistence farming in the 1800s, to mining and unionization in the 1900s, to mountaintop removal and natural gas/coalbed methane extraction in the last decade. This course covers the physical and chemical processes that form coal as well as the tectonic and geomorphologic processes that formed the landscape of the coalfields and shaped the agricultural practices of the early settlers. It examines the cultural history of coal mining and life in the company-owned coal camps and the political history of unionization through literature and film. The economics and environmental consequences of coal-fired power plants are discussed, and the environmental and occupational hazards associated with both underground and surface coal mining are analyzed from both a scientific and a sociological perspective. (Same as AS 2301.)

GLY 2745. Preparation of Geologic Reports (4).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course provides instruction in various aspects of data collection, quantitative and qualitative analysis, and the preparation and presentation of written and oral geologic reports to standards of the profession. Topics include: survey of geologic literature and digital information retrieval services, research design, data management, ethics and safety. Data collection and mapping in the field is a major component of the course and vigorous hiking is required. Lecture three hours, laboratory three hours. Prerequisites: GLY 2250 and RC 2001 or its equivalent. Open only to Geology majors and minors.

GLY 4210. Geology Seminar (1).S.

GEN ED: Capstone Experience

Presentation and discussion of current topics, with emphasis on student projects, petrology, and surficial processes. Prerequisite: senior standing geology major.

German

GER 1050. Intermediate German II (3).S.

GEN ED: Liberal Studies Experience

A continuation of GER 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: GER 1030 or GER 1040, or the equivalent. Laboratory work required.

GER 1060. Accelerated Intermediate German (6).S. On Demand.

GEN ED: Liberal Studies Experience

Combines GER 1040 and GER 1050. Prerequisite: GER 1020 or GER 1030, or the equivalent. Class meets daily for a total of 300 minutes per week. Laboratory work required. (*NOTE: Only 3 s.h. of this 6 s.h. course may count for general education credit.)

GER 3021. Märchen (3).S.

GEN ED: Junior Writing in the Discipline (WID)

Study of 19th century German Märchen in cultural, historical and literary context. These Märchen include the well-known fairy tales of Jakob and Wilhem Grimm (Kinder- und Hausmärchen) as well as the literary fairy tales of Romantic authors such as Ludwig Tieck and E.T.A. Hoffmann. Prerequisites: RC 2001 or its equivalent; GER 2010 and GER 2015 or consent of the instructor.

GER 3050. German Culture and Civilization Before 1900 (3).S.

GEN ED: Junior Writing in the Discipline (WID)

Study of German institutions, philosophy, literature, and art prior to 1900. Prerequisites: RC 2001 or its equivalent; GER 2010 and GER 2015 or consent of the instructor.

Global Studies

GLS 2000. Contemporary Global Issues (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "From Empire to Globalization")

This course examines a selection of global issues from a variety of perspectives and disciplines. Students will be exposed to the complexities of these issues, which are the result of the confluence of historical, geographical, economic, cultural, and political factors. Emphasis will be placed on how different societies view global issues, as well as how different perspectives can alter one's understanding of them.

GLS 2350. Introduction to Peace Studies (3).F.

GEN ED: Integrative Learning Experience (Theme: "War and Peace")

In this course, students will explore relevant theories about peace studies, as well as a history of the development of the area of peace studies. The course will ask students to discuss the problems that arise when working in the area of peace and evaluate the ways in which states and individuals consider waging peace. Finally, the course will encourage students to consider their contributions toward achieving a world in which people can resolve conflicts more effectively. Given the ultimate goal of understanding ideas such as negative peace and positive peace and nonviolent methods for conflict resolution, this course will be very interdisciplinary, including but not limited to academic fields in political science, sociology, psychology, economics, gender studies, anthropology, and literary studies. Working across fields and supporting an open discourse allows for multiple interpretations and perspectives. (Same as JHP 2350.)

GLS 3000. Critical Perspectives on Global Studies (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Students will engage in an intensive investigation of one or more global questions, themes, or issues in global studies. Emphasis is placed on critical reading, research, writing, and speaking. The topic of this course will vary from semester to semester. The communication proficiency in Global Studies is met by earning a grade of "C" or higher in this course. Prerequisite: RC 2001 or its equivalent.

GLS 3020. Cuba Libre: Perspectives on the Cuban Revolution (3).S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Las Americas")

This course will explore the Cuban Revolution from a variety of disciplinary perspectives, including history, political science, music, literature, film, and dance, while making connections to other post-colonial struggles in the Americas and beyond. Students will design their own research projects,

integrating knowledge from different disciplinary approaches, and present their research at the semester's end using a variety of media.

GLS 3580. Animal Planet (3). S.

GEN ED: Integrative Learning Experience (Theme: "The Human-Animal Bond")

This course explores the ways globalization is altering the nature of human-animal encounters. It examines many kinds of global encounters, including those arising from companionship, travel, hunting, sport, food and consumption, and science (e.g., lab animals). Globalization is defined in part by increasing interconnectedness and interdependency, and animal studies are especially concerned with relationships, symbiosis, and environments. The course addresses the interchanges between the local and the global; that is, some of the ways that local cultural attitudes toward animals are being affected by globalization, and how globalization is affecting localized beliefs and practices.

GLS 4550. Senior Capstone (3).F.S.

GEN ED: Capstone Experience

This is the required senior capstone course for a major in Global Studies. Students must complete a major project that makes use of and integrates the material from the Global Studies core in relation to a significant issue in Global Studies pertaining to the major focus area chosen by the student.

Prerequisites: GLS 3000 and senior standing.

Graphic Arts and Imaging Technology

GRA 3622. Graphic Communications Seminar (1).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course involves the development of the mechanics of being a professional in the graphic arts industry. Specific topics include resumes, cover letters, interviewing, presentation techniques and report writing. Prerequisites: RC 2001 or its equivalent and junior standing.

GRA 4900. Graphic Communications Internship II (1-6).On Demand.

GEN ED: Capstone Experience

A continuation of industry field experience with print or digital graphics media companies such as commercial printing, animation, prepress, flexography, gravure, offset lithography, screen printing, packaging, or finishing and fulfillment. Prerequisite: 30 hours of coursework in the major must be completed. Graded on an S/U basis. (Hours requirement for one credit hour is 160 hours, with 80 hours required for each additional.) May be repeated for credit when content does not duplicate. This course satisfies the senior capstone requirement for the BS in Graphic Arts and Imaging Technology majors.

Health and Physical Education

HPE 1000. Personal and Family Health (2).F;S.

GEN ED: Wellness Literacy

This introductory course is tailored to meet the needs of college students and the distinct health and behavioral issues that they face in a college environment. Emphases will be placed on developing communication, decision-making and goal-setting skills in the areas of sexual health, alcohol, tobacco and other drug choices, physical activity and diet, as well as improving psychological health.

HPE 4310. Elementary Physical Education (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course will focus on design, implementation and assessment of elementary physical education programs and the effective employment of interactive pedagogical skills in K-6 activity-based environments. Application of subdisciplinary, pedagogical and content concepts will take place in clinical or laboratory field-based settings. Lecture two hours, laboratory two hours .A minimum grade of “C” (2.0) is required. Prerequisites: HPE 3210, HPE 3220, HPE 3230 and HPE 3240 with a grade of “C” or higher in each; RC 2001 or its equivalent.

HPE 4320. Nutrition and Health-Related Fitness (3).F;S.

GEN ED: Wellness Literacy

This course will focus on planning, implementation, and assessment of nutrition and health-related fitness in K-12 health and physical education. The course will address content and concepts in nutrition, with an emphasis on disease prevention (CVD, obesity, diabetes) and health promotion, as well as fitness concepts, principles, and strategies as they relate to maintenance of a health-enhancing level of physical activity and fitness. Prospective teachers completing this course will learn to apply instructional strategies to promote physical activity and fitness, healthy eating and weight management, and to assess students’ knowledge and skills in these areas. A minimum grade of “C” (2.0) is required. Prerequisites: HPE 3210, HPE 3220, HPE 3230 and HPE 3240 with a grade of “C” or higher in each.

Health Care Management

HCM 4950. Seminar in Health Care Management (3).F;S.

GEN ED: Capstone Experience

This course integrates all HCM courses and other core courses through readings, case and scenario analyses, and small projects. The course requires students to apply the concepts of accounting, financial management, quality management, marketing, business planning, operations, strategic management, and public policy specifically to the unique environmental, regulatory, legal, ethical, and professional demands of the health care industry. Prerequisites: HCM 2110, HCM 2130, and final semester senior status, or permission of the instructor.

History

HIS 1101. World Civilization I (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An introduction to the development of world civilizations from ancient times to 1500. The unique patterns of political, intellectual, economic, and social development of Europe, Asia, Africa, and the Americas are examined.

HIS 1102. World Civilization II (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An introduction to the development of world civilizations from 1500 to the present. The development of an increasingly interdependent political, intellectual, economic, and social world is examined.

HIS 1110. History and Culture (3).F;S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

An examination of selected themes in world or regional history with an emphasis on how products of creative expression have shaped, and been shaped by, their historical context. NOTE: HIS 1110 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 1120. Society and History (3).F;S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Social Relations Across Contexts")

An examination of selected themes in world or regional history with an emphasis on the historical context of various social, political, cultural, and economic processes. NOTE: HIS 1120 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 1130. Themes in Global History (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An examination of selected themes in global history with an emphasis on the historical context of global issues, processes, trends, and systems as they have affected local regions. NOTE: HIS 1130 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 1200. American History (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

This course will acquaint the student with the major developments of American history from pre-contact to post-modern eras. Emphasis will be given to the foundational political experiences of the American people and how political developments have been influenced and affected by social developments. Students will learn to apply analytical skills to the reading of primary texts representing the whole sweep of American history. Written expression will be emphasized. NOTE: HIS 1200 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 1400. World Empires (3).F;S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "From Empire to Globalization")

This course investigates how systems of power functioned on a global scale in the past. Students will discover, discuss, and write about how those systems came to be as well as what kind of society, culture, and world they have created. Students will also develop a clearer understanding not only of their individual role in such global interactions, but how events in one distant part of the world affect many other people around the globe. NOTE: HIS 1400 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 1501. Revolution and Social Change in World History (3).F;S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course provides an analysis of significant revolutions and social movements in world history. These may be defined as political, social, cultural, scientific and technological. This course examines the events of these movements, as well as the philosophical/ ideological ideas that shaped them. It also examines how these revolutions affected societies in a local and global context, and how they continue to affect the world in which we live today. NOTE: HIS 1501 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 1700. The Making of Europe (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

European cultures, politics, and economics have enormously influenced the modern world. From the Reformation and Scientific Revolution to the twentieth-century world wars and creation of the European Community, this course offers students the opportunity to explore developments that continue to shape human experience. NOTE: HIS 1700 DOES NOT COUNT TOWARD THE REQUIREMENTS FOR A HISTORY MAJOR OR MINOR.

HIS 2150. Animals, People, and History (3).F.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "The Human-Animal Bond")

Topics include: interaction between native people and animals; the exchange of animals as a result of colonization; domestication of cattle, hogs, sheep and goats; changing ideas about hunting; the evolution of taxidermy and the study of natural history; animals during war and civil strife; horses as machines and modes of transport in early industrial cities, new domesticated food sources from rural areas, and finally, our post-domestication relationships with animals as pets and in zoos and aquaria. It also examines how people have thought about animals, defined animal behavior, and employed those ideas differently over time.

HIS 2300. Introduction to Holocaust and Judaic Studies (3).F. Alternate years.

GEN ED: Integrative Learning Experience (Theme: "War and Peace")

This interdisciplinary course provides an introduction to the study of the Holocaust and Judaism. It familiarizes participants with key terms in the analysis of the Nazi genocide of the Jews and the examination of one of the most eminent monotheistic religions. The class combines these explorations with a focus on the histories and main foundational narratives of the Holocaust and Judaism and, finally, applies them to a range of literary and visual sources, including writings by genocide survivors. The course places specific emphasis on war in its treatment in Jewish theological and cultural traditions and its complex intersections with genocide. (Same as JHP 2300.)

HIS 2301. History of Colonial Latin America (3).F.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Las Americas")

A survey of Latin America from the ancient Indian civilizations to the wars for independence. Topics include the ancient Maya, Aztec, and Inca Indians; the European discovery, conquest, and colonization of the New World; the colonial administration and exploitation of the Americas; and the independence movements which usher in the national period.

HIS 2302. History of Modern Latin America (3).S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Las Americas")

A survey of Latin America from independence to the present. Topics include the legacy of independence; the rise of the great dictators; causes of instability and social change; twentieth-century revolutions; and the effects of United States policy in the region.

HIS 2312. Introduction to the Ancient Mediterranean World (3).F;S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "How We Know What We Know About the Past: Method, Evidence, Knowledge")

A survey of the Ancient Mediterranean, including Greece, the Hellenistic World, and Rome. Topics covered will include ancient art, philosophy, religion, and literature.

HIS 2320. East Asian History: To 1600 (3).F.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "How We Know What We Know About the Past: Method, Evidence, Knowledge")

An introduction to the major issues in East Asian civilizations from pre-history to 1600 with a focus on China, Japan, and Korea. Topics include state building, philosophical/religious traditions (including Confucianism, Daoism, and Buddhism), material culture, the role of women, economic development, regional/global exchange, and social change.

HIS 2340. Modern East Asia (3).S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

An introduction to the major themes in modern East Asian history from approximately 1600 to the present with a focus on China, Japan and Korea. Topics include social change and revolution, philosophical/religious traditions (including Confucianism and Buddhism), political/economic innovations (including Liberalism, Communism, Fascism, and Corporatism), imperialism, empire and nation, material culture, the role of women, the Cold War, and globalization.

HIS 2525. The Americans: A Cultural History (3).F;S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "American Culture: Past and Present")

A history of American cultural traditions, both formal and popular. The course focuses on cultural and social trends in American history, including the rise of a national culture via the development of distinctively American forms in art and literature, music and religion; social thought; and reform movements. It includes an examination of everyday life, popular entertainments and attitudes, and the impact of technological change on American culture.

HIS 2800. Writing History (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course is required for all History majors. The course uses a variety of primary and secondary sources to explore the ways history is researched and written. Prerequisite or corequisite: RC 2001 or its equivalent.

HIS 3158. Ethnic Conflict: East Versus West (3).F.Odd-numbered years.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "War and Peace")

Ethnic peace, conflicts, and resolutions are among the oldest dreams and most difficult challenges of human experience. The art of compromise and accommodation, the process for peaceful resolution of differences and setting of priorities, the rule of law as an inclusive and systematic set of legal procedures, and the universal respect for human rights are necessary in order to deal with ethnic conflicts and thus should be a part of professional training of new leaders. This course also deals with historic and comparative studies of ethnic conflicts in the West, the Balkans, Caucasus, and Central Asia.

HIS 3210 Poverty: Theory and Practice (3).S.

GEN ED: Liberal Studies Experience

This course introduces students to the theories and history of poverty, with an emphasis on learning the historical and social contexts of poverty through experiential or service-learning. (Same as WRC 3210.)

HIS 3340. Afro-Atlantic Material Culture (3).F.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course explores tangible and intangible objects crafted, shaped, altered, and used across time and space by peoples of African descent in the Americas.

(Same as IDS 3340.)

HIS 3350. African American History (3).F

GEN ED: Historical Studies Designation; Liberal Studies Experience

This course examines the history of Americans of African descent from their African origins to the present.

HIS 3726. History of the Appalachian Region (3).F.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

A survey of the history of the Appalachian region from the period of exploration and settlement to the present.

HIS 3728. History of North Carolina (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

This course will examine the major social, economic, and political factors in the development of North Carolina from its settlement to the present. Consideration will be given to the relationship of the State to the Southern region and the nation.

HIS 3823. American Military History (3).F;S.Even-numbered years.(SS1.Odd-numbered years.)

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "War and Peace")

This course explores the American military experience from its origins in the colonial period to the present day. It is designed to view military history from a variety of angles, through multiple perspectives and formats, and to broaden students' views of the American military establishment. We will examine traditional military topics, such as strategy and tactics, and combat operations, as well as exploring "new military history" topics, such as the interaction between war and society, civil-military relations, and the social history of soldiers. We will also explore how political, social, and cultural factors have influenced the nature of warfare and the military institution in American history.

HIS 4100. Senior Seminar (3).F;S.

GEN ED: Capstone Experience

Variable content. In a seminar setting, students will investigate a broad topic, field, or period in history through intensive reading, research, and writing. Strongly emphasizes the examination and interpretation of primary and secondary sources, definition of a research topic, use of research methodology, and the understanding of issues and problems in research. A minimum grade of "C" in the HIS 4100 Senior Seminar is required to complete the History major. Prerequisites: HIS 2800; and History major with senior standing and a minimum of three semester hours in history at the 3000-level, or permission of the instructor.

HIS 4510. Senior Honors Thesis (3).On Demand.

GEN ED: Capstone Experience

Composition of an honors thesis; directed by a member of the history department. Prerequisite: HIS 4509. Enrollment by qualified applicants only.

Honors College

HON 1515. Freshman Honors Seminar (3).F;S.

GEN ED: First Year Seminar

An interdisciplinary special topics course taught by one or two professors. This Honors course is equivalent to UCO 1200 (First Year Seminar) and fulfills the general education first year seminar requirement. Students may not receive credit for both UCO 1200 and HON 1515. Instructors and content vary; may be repeated for credit when content does not duplicate. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

HON 2515. Honors Sophomore Inquiry Seminar (3).F;S.

GEN ED: Liberal Studies Experience

An introductory study of one or more aspects of human experience through collaborative learning, interdisciplinary inquiry, and beginning engagement with research, scholarship, and / or creativity by others. Instructors and content vary. May be repeated for credit when content does not duplicate. Open to Honors College students only, others with permission of the Dean.

HON 3515. Honors Junior Inquiry Seminar (3).F;S.

GEN ED: Liberal Studies Experience

An in-depth interdisciplinary study of one or more aspects of human experience through collaborative learning, independent investigation, and critical engagement with research, scholarship, and / or creative activity by others. Instructors and content vary. May be repeated for credit when content does not duplicate.

Open to Honors College students only.

Industrial Design

IND 2012. Product Design (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This is an introduction to product design and problem-solving techniques. Emphasis is given to history of industrial design, methods for communicating design ideas, systematic design, product design specifications, corporate strategies in planning product innovations, fundamentals of materials and manufacturing processes used in the mass production of consumer products. Students will write multiple reports and give oral presentations throughout the semester. Selected assignments from this course will be appropriate for inclusion in student portfolios.

IND 3100. Furniture I (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course takes an in-depth approach to research, sketching, and drawing to give students insight into furniture types, elements, and construction. This insight may be utilized to help focus further research

and design, culminating in construction documents and renderings. Prerequisites: IND 2000, IND 2401, RC 2001 or its equivalent. Studio six hours.

IND 3701. Product Design Studio I (4).F.

GEN ED: Junior Writing in the Discipline (WID)

This course will begin the more intensive development of a design process methodology for the design student. Communication of this process will be a primary focus through the documentation and presentation of all work throughout the semester. Students will have a series of design projects providing opportunities to explore various materials and processes, as well as addressing contemporary design issues and design theory. Potential projects may include furniture design, exhibit design, improving the ergonomics of existing products, and package design. Prerequisites: IND 2000, RC 2001 or its equivalent. Studio eight hours.

IND 4110. Furniture IV (4).S.

GEN ED: Capstone Experience

This course is an advanced study of furniture design. Through the development of a systematic design methodology, students will undertake an in-depth approach to problem-solving for furniture design. Understanding and utilizing research as a primary tool, students will address specific design criteria and innovate for niche markets. Through the production of the actual working prototype, a further sense of how design functions as a tool will be achieved. In addition, this hands-on application will foster a greater knowledge of materials, the applied integration of CAD, and an appreciation for craftsmanship. Prerequisite: IND 4100. Studio eight hours.

IND 4711. Product Design Studio IV (5).S.

GEN ED: Capstone Experience

The final semester of the product design studio sequence examines professional practice in the field of industrial design, professional ethics, available jobs, and opportunities for continued education. A fully executed design project is the primary focus of the semester, with the student using the research skills developed during the previous product design studios. Potential projects may include furniture design, exhibit design, consumer products, medical devices, and sporting goods. Passing a portfolio review is a requirement of this course. Studio five hours. Prerequisite: IND 4701.

Instructional Technology/Computers

ITC 2010. Narrative, New Media, and Gaming (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "How We Tell Stories")

This course addresses the ways in which we tell stories in the digital age. Through exploring storytelling in social media, mobile contexts, and gaming, students in this course will experience a range of different narratives in many types of digital media, such as interactive online stories, podcasts, and video games. We examine forms of digital storytelling within media, marketing, and education, with opportunities for students to research, participate within, and to create original narratives as they share their own stories in a variety of media. (Same as CI 2010.)

Interdisciplinary Studies

IDS 2000. The Idea of America (3).F.

GEN ED: Integrative Learning Experience (Theme: "American Culture: Past and Present")

Since the 1930s, scholars have been studying the core values and ideas that define American (U.S.) culture. American Studies scholars integrate ideas and methods from a diverse array of disciplines in examining what it is that makes this place and its people "American." In this course, students will review the roots of American Studies and the concepts of exceptionalism, multiculturalism, and transnationalism, which have characterized how U.S. culture is perceived both here and abroad. Embedded in these concepts are physical, economic, political, and demographic characteristics that have historically defined and continue to define "America."

IDS 2302. Freudian Dreams and Cultural Analysis (3).S.

GEN ED: Liberal Studies Experience

This course will introduce Freud's theories through his own writings, including his classic, *The Interpretation of Dreams*, and will explore the ways in which psychoanalysis helps illuminate and explain art, literature, film, and culture. (Same as WRC 2302.)

IDS 3001. Interdisciplinary Connections II (2).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Through selected readings and guided discussion, this course provides IDS majors the opportunity to write and reflect on their interdisciplinary course work, their programs of study, and on the variety of methods that may be employed in pursuing interdisciplinary scholarship. Prerequisites: RC 2001 or its equivalent; IDS 2001 or permission of instructor. Corequisite: ANT 3410, CJ/PS 3115, COM 3100, ENG 3000, HIS 2800, IDS 3210, GHY/PLN 3800, PLN 3432, SOC 3885 or STT 2820; or permission of instructor.

IDS 3010. H2O: We are Water (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

Water is studied in disciplines ranging from art to zoology. The hydrologic cycle functions on a global scale but has local impacts. This interdisciplinary course will look at water policy and how we manage water resources; who gets water, for what purpose; and the impacts of these decisions on the resource. It will discuss the ways we use water, abuse it, revere it, ignore it, and fight over it. In the US, our quality of life is entirely dependent on cheap, plentiful, clean water. We use it in vast quantities to produce power, grow food, and protect our health. Globally, demands for water continue to increase. The class will cover the intersections among our scientific understanding of water flows, our technological developments, and our policy approaches toward this elemental resource, locally and globally.

IDS 3025. Contemporary Topics in Science and Technology Studies (3).On Demand.

GEN ED: Liberal Studies Experience

This course provides students with an in-depth understanding of how science and technology shape society and culture. Through a topical focus, students will explore the values embedded within a technological society, and the ways in which power and knowledge are produced and maintained. Students may repeat this course for credit as long as the course topic is unique.

IDS 3210. Exploring the Documentary Form (3).F.

GEN ED: Integrative Learning Experience (Theme: "How We Tell Stories")

The course offers students a chance to learn the fundamentals of non-fiction story telling. Students will research a topic, and then develop a video, audio, or photographic documentary that uses their research

to tell a compelling story. During this course, students will learn a range of techniques that bridge academic disciplines: how to use both primary and secondary sources for research, writing skills to structure their documentaries, visual communication techniques to translate their writing into images, and editing skills to clearly communicate their story.

IDS 3250. Internet Studies (3).F;S.

GEN ED: Liberal Studies Experience

This seminar explores the emerging interdisciplinary field of Internet Studies. Topics covered may include the digital divide, virtual communities, race and gender in cyberspace, and topics in cyberculture. These and other issues may be explored for their social, political, psychological, economic, cultural, ethical, and artistic implications. This seminar will also help students develop their critical reading and writing skills in connection with the World Wide Web, explore Internet research methodologies, and introduce students to some of the technical and editorial issues involved in Web page design and publication. This course is required for the concentration in Internet Studies under the B.A. degree in Interdisciplinary Studies; and it is also a required course for the undergraduate minor in Internet Studies. There are no prerequisites.

IDS 3340. Afro-Atlantic Material Culture (3).F.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course explores tangible and intangible objects crafted, shaped, altered, and used across time and space by peoples of African descent in the Americas.

(Same as HIS 3340.)

IDS 3650. Marx's Capital (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course provides an introduction to Karl Marx as well as an in-depth study of his major theoretical work, Capital, Volume I. The transdisciplinary uses of Marxian theory in illuminating a wide variety of issues across disciplinary boundaries will be explored. Students will be asked to make connections between Marx's writings and their own areas of study.

IDS 4004. Interdisciplinary Connections III (1).F.S

GEN ED: Capstone Experience

In this course, students will draw together work covering the range of their interdisciplinary studies to produce a portfolio of representative work. This portfolio will serve not only as a culminating document, but it will also provide students with an opportunity for reflection in writing on the trajectory of their studies and future direction for their work. Students should take this course their final semester before graduating. Prerequisite: IDS 3001 and at least 11 s.h. of IDS-prefixed coursework.

Interior Design

INT 1300. Design Matters (3).F.

GEN ED: Fine Arts Designation; Liberal Studies Experience

Design Matters provides a survey of the interdisciplinary design professions and their impact on culture and human behavior. The course will focus on why design matters to both the professional in the field

and the consumer. Activities include review of case studies of a range of design solutions and discussions about interdisciplinary design methods and terms.

INT 3320. Environment and Human Behavior (3).S.

GEN ED: Junior Writing in the Discipline (WID)

Explores interrelationships between human behavior and the built-environment. Emphasizes synthesis of empirical research, analysis, mapping, design guidelines, programming, written documentation, and post-occupancy-evaluations. Study may include proxemics, human factors, social behavior, stressors and other prominent areas of research. Analysis may include residential or commercial spaces. Current topics may include placemaking, global issues, culture, defensible space. Prerequisites: completion of the Freshman Portfolio Review and RC 2001 or its equivalent.

INT 4900. Internship (4).SS.

GEN ED: Capstone Experience

Prerequisites: all 3000-level interior design coursework. Graded on an S/U basis.

Japanese

JPN 1050. Intermediate Japanese II (3).S.

GEN ED: Liberal Studies Experience

A continuation of JPN 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: JPN 1040 or the equivalent. Laboratory work required.

Judaic, Holocaust, and Peace Studies

JHP 2300. Introduction to Holocaust and Judaic Studies (3).F.Alternate years.

GEN ED: Integrative Learning Experience (Theme: "War and Peace")

This interdisciplinary course provides an introduction to the study of the Holocaust and Judaism. It familiarizes participants with key terms in the analysis of the Nazi genocide of the Jews and the examination of one of the most eminent monotheistic religions. The class combines these explorations with a focus on the histories and main foundational narratives of the Holocaust and Judaism and, finally, applies them to a range of literary and visual sources, including writings by genocide survivors. The course places specific emphasis on war in its treatment in Jewish theological and cultural traditions and its complex intersections with genocide. (Same as HIS 2300.)

JHP 2350. Introduction to Peace Studies (3).F.

GEN ED: Integrative Learning Experience (Theme: "War and Peace")

In this course, students will explore relevant theories about peace studies, as well as a history of the development of the area of peace studies. The course will ask students to discuss the problems that arise when working in the area of peace and evaluate the ways in which states and individuals consider waging peace. Finally, the course will encourage students to consider their contributions toward achieving a world in which people can resolve conflicts more effectively. Given the ultimate goal of understanding ideas such as negative peace and positive peace and nonviolent methods for conflict

resolution, this course will be very interdisciplinary, including but not limited to academic fields in political science, sociology, psychology, economics, gender studies, anthropology, and literary studies. Working across fields and supporting an open discourse allows for multiple interpretations and perspectives. (Same as GLS 2350.)

JHP 3712. Literature and Mass Violence (3).S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

In this course, students will explore mass violence in literature, the limits of representation, as well as narratives dealing with memory, trauma, and survival. Draws on a variety of fields, including Holocaust and Genocide Studies. Prerequisite: RC 1000. (Same as ENG 3712.)

Languages, Literatures, and Cultures

LLC 1000. English for International Students (3).F.

GEN ED: First Year Writing

Listening, speaking, reading and writing English for advanced students whose first language is not English. Emphasis on communication in a variety of academic and social settings. This course is self-paced to enable the student to concentrate on individual needs and problem areas. In addition to class meetings, students will be assigned a tutor to assist them with assignments.

LLC 2025. Literature in Translation (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "How We Tell Stories")

A study of various literatures in translation, from the medieval through the modern period, focusing on the language and culture areas featured in departmental offerings. Course content will vary and may concentrate on poetry, fiction, drama, or a combination.

LLC 2030. The Art of Capoeira, a Brazilian Martial Art: Culture and Practice (3). F.

GEN ED: Liberal Studies Experience

A cultural immersion course introducing the art of capoeira, a Brazilian martial art, through practice, readings and lectures. (Same as WRC 2030.)

LLC 2040. Border Crossings: U.S. Hispanic Literature and Culture (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "Las Americas")

This course explores the ethnic and cultural diversity of U.S. Hispanic literature and culture, as well as its historical, political, and ideological ties to Latin America. It is designed to highlight local to global connections and to provide a vantage point from which students can reflect on their own experiences and cultural identities. Course is offered in English.

LLC 2045. The Spanish-Speaking World (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "How We Know What We Know About the Past: Method, Evidence, Knowledge")

This course provides a broad overview through representative readings and films of both the continuity and the cultural diversity of the Spanish-speaking world, past and present. Topics to be covered will include language, demographics, identity formation, social structure, political institutions, literature, and the arts. Taught in English.

LLC 2050. Say What? Language in Mind and Society (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Expressions of Culture")

An exploration of the issues surrounding human language and its relationship with thought, cognition and culture. Students will have the opportunity to learn how the sounds, structures and meanings of human languages are produced and interpreted, and will explore variation among world languages as well as the relationship among language, society and culture. Different theoretical approaches to these issues will be explained. The course will also examine the interaction between language and mind and the neurological basis of human language, and will look at the application of linguistic principles in language learning and artificial intelligence.

LLC 3240. Cultures of East Asia (3).S.

GEN ED: Junior Writing in the Discipline (WID)

An introduction to the history and cultures of East Asia (China, Japan, and Korea), their social and political structures and their religious and philosophical traditions from ancient times to the present. Prerequisite: RC 2001 or its equivalent.

LLC 3430. Arthurian Legends (3).On Demand.

GEN ED: Literary Studies Designation; Liberal Studies Experience

This course explores the ever-popular legends of King Arthur from the middle ages to the present across time, across national boundaries, and across genres (epic, novel, film, art, music, television series). Readings will focus on Arthurian legends from the French, German, and English traditions.

LLC 4575. East Asian and German Capstone (1).F;S.

GEN ED: Capstone Experience

This is the capstone course for students in the East Asian Languages and Cultures and German concentrations. Students will have the opportunity to advance their oral and written proficiencies in the language of their area concentration (e.g. Chinese, Japanese or German). Students will also synthesize cultural and linguistic knowledge from previous work in their target language/culture, gaining tools to improve both written and oral skills. Students will select a paper previously written in a major-related course, revise and expand the paper based on faculty and fellow student input. Prerequisites: Senior standing; LLC 3240, or GER 3021 or GER 3050, or consent of instructor.

Latin

LAT 1050. Intermediate Latin II (3).S.

GEN ED: Liberal Studies Experience

A study of classical Latin culture and language as revealed through poetry and prose. Emphasis on major figures such as Catullus, Horace, Vergil, Livy and Petronius. Prerequisite: LAT 1040 or consent of the advisor.

Mathematics

MAT 1005. A Brief Introduction to Mathematics (1).S.

GEN ED: Quantitative Literacy

This course is an introduction to mathematical problem solving. Emphasis is on the development of

conceptual understanding rather than on computational drill. Using appropriate computational tools, including computers, is fundamental to the course. All sections cover personal finance. MAT 1005 is not open to students with 4 hours of QL credit. Prerequisite: 3 hours of QL credit.

MAT 1010. Introduction to Mathematics (4).F;S;SS.

GEN ED: Quantitative Literacy

A course in mathematical problem solving for students who are not required to take calculus. Emphasis is on the development of students' quantitative literacy and number sense rather than computational drill. Computational tools such as spreadsheets will be used to solve a variety of real world problems. All sections cover basic consumer statistics and probability, with additional topics drawn from a variety of fields such as art, music, finance, physical or biological science, geometry, cryptology, measurement, and election theory. Not open to students who are enrolled in or have credit for MAT 1020, MAT 1030, or MAT 1110. Students may not receive credit for both MAT 1010 and MAT 1020. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

MAT 1020. College Algebra with Applications (4).F;S;SS.

GEN ED: Quantitative Literacy

A study of algebraic concepts and applications for students who are not required to take calculus, but who require a working knowledge of algebra and functions. Tabular, graphical, and algebraic presentations are investigated, with emphasis on linear, power, exponential, and logarithmic models. Applications are chosen from a variety of topics, including in particular finance, units and measurement, right triangle trigonometry, and population modeling. Not open to students who are enrolled in or have credit for MAT 1010, MAT 1030, or MAT 1110. Students may not receive credit for both MAT 1010 and MAT 1020. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

MAT 1035. Business Mathematics With Calculus (3).F;S;SS.

GEN ED: Quantitative Literacy

This course is an overview of algebraic concepts and a thorough treatment of functions such as rational, logarithmic, and exponential, including an introduction to the concepts of differentiation with particular emphasis upon their applications to solving problems that arise in business, finance, and economics. This course is designed primarily for business and economic majors and is not open to mathematics majors or students with credit for MAT 1110 [Calculus With Analytic Geometry I]. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

MAT 1110. Calculus With Analytic Geometry I (4).F;S.

GEN ED: Quantitative Literacy

A study of limits, continuity, differentiation, applications of the derivative, the differential, the definite integral, the fundamental theorem, and applications of the definite integral. Prerequisite: MAT 1025 (with a grade of "C-" or higher) or equivalent. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

MAT 3030. Investigating Mathematics and Learning (4).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course prepares prospective teachers to construct a comprehensive understanding of effective mathematics instruction in grades K-6 with selected instructional activities designed for implementation during field placement experiences. The course includes content, methods, and materials of elementary school mathematics instruction. Topics include the content strand number and operations and process

strands connections, communication, problem solving, reasoning and proof, and representation. The course emphasizes instructional design principles for teaching number and operation. Effective communication of mathematical ideas is a focal point of the course. Prerequisites: MAT 2030 and RC 2001 or its equivalent. (Same as CI 3030.)

MAT 3110. Introduction to Modern Algebra (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Topics covered include equivalence relations, groups, subgroups, homomorphisms, isomorphisms, and a survey of other algebraic structures such as rings, integral domains, and fields. Prerequisites: MAT 2110 or MAT 2510, and RC 2001 or its equivalent. Corequisite: MAT 2240.

MAT 3220. Introduction to Real Analysis I (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A treatment of the calculus of functions of real variables including sequences, limits of functions, continuity and differentiation. Prerequisites: MAT 2110 or MAT 2510, and RC 2001 or its equivalent.

MAT 4011. Current Topics in Mathematics Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4011 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4010 with the same section number.

MAT 4141. Differential Geometry Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4141 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4140.

MAT 4221. Introduction to Real Analysis II Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4221 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4220.

MAT 4311. Numerical Methods Capstone (1).S.

GEN ED: Capstone Experience

MAT 4311 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4310.

MAT 4330. Senior Seminar in Actuarial Sciences (3).S.

GEN ED: Capstone Experience

A course designed to provide majors in Actuarial Sciences the opportunity to study actuarial problems from a variety of sources. The emphasis will be on the oral and written presentation of results. The course should prepare the student for making the transition from academic courses to actuarial practice. Students taking this course should have completed most of the Actuarial Sciences curriculum. Students are also encouraged to register for at least one Society of Actuaries professional exam during this course. Prerequisite: MAT 3330 and STT 3250.

MAT 4341. Introduction to Operations Research Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4341 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4340.

MAT 4421. Dynamical Systems Theory Capstone (1).F.

GEN ED: Capstone Experience

MAT 4421 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4420.

MAT 4510. Senior Honors Thesis (3).F;S.

GEN ED: Capstone Experience

Independent study and research. Thesis directed by a member of the Department of Mathematical Sciences. Prerequisites: completion of MAT 3510 and a 3.45 GPA in mathematics. Enrollment by invitation of the departmental honors committee.

MAT 4591. Advanced Topics in Differential Equations Capstone (1).S.

GEN ED: Capstone Experience

MAT 4591 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4590.

MAT 4711. Introduction to Topology Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4711 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4710.

MAT 4721. Abstract Algebra Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4721 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4720.

MAT 4991. Numerical Linear Algebra Capstone (1).On Demand.

GEN ED: Capstone Experience

MAT 4991 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in mathematics and the relationships of mathematics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with MAT 4990.

Military Science and Leadership

MSL 1101. Army Physical Fitness (2).F;S.

GEN ED: Wellness Literacy

This course trains students in the physical fitness standards identified by the U.S. Army. This includes education on how constructive personal choices promote fitness, health, and wellness. The course prepares Army ROTC cadets to meet and exceed the physical requirements of the Army, but is also open to non-ROTC students.

Music

MUS 2011. Exploring Music in Culture (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

A nontechnical course for students with little or no musical background. Emphasis is placed on the style and form of music as perceived by the listener, with focuses on "classical" western European concert music and other repertoires.

MUS 2014. Jazz Music in American Society (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

Jazz may be the United States' only original contribution to music. Due to its comparatively recent emergence as a recognized art form, a great deal of confusion exists as to the meaning, origins, development, and the place of jazz relative to other areas of music. This course will define jazz as precisely as possible and show its evolution in the historical background of the United States

MUS 2015. History of Rock Music (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

Study of musical groups, soloists and styles related to the evolution of this genre, and on related social, historic and political events. Pre-rock influences and rock music from the late 1940s through significant developments of the late twentieth century.

MUS 2016. Appalachian Music (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

A survey of Appalachian music including both instrumental and vocal styles, older traditions and newer regional forms. Students will have opportunities to develop musical skills through hands-on class projects and activities. (Same as AS 2016.)

MUS 2018. Introduction to World Music (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

A survey of musics representing international cultures. Emphasis is placed on the role of music in various life experiences.

MUS 2022. Cultivating Creative Expression Through Music (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Cultivating Creative Expression")

Students will create works of music using various media, reflecting on the creative process, the influence of culture, and the dynamic and reciprocal interactions among the artist, instructor, and student.

Lecture/studio three hours.

MUS 2023. Music and Gender (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

An investigation of the social constructions of gender and how they are reflected in music. Topics will include how gender constructions operate in compositional, performance and teaching practices.

MUS 2052. Exploring Music Therapy (3).SS.

GEN ED: Liberal Studies Experience

An inquiry into the creative application of music to meet a diverse array of individual human needs.

MUS 2420. Music Merchandising and Entrepreneurship (3).S.

GEN ED: Junior Writing in the Discipline (WID)

A core course for Music Industry Studies majors providing an in-depth exploration of music merchandising. Content will include music products manufacturing, wholesaling, retailing, music publishing and product services. Basic business concepts will be introduced as they relate to entrepreneurship opportunities in this field. Course delivery will include guest lecturers from the industry and field trips to appropriate businesses. Prerequisites: MUS 1420 and RC 2001 or its equivalent.

MUS 2611. Music History and Style I (2).F.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An overview of the stylistic tendencies throughout Western music history and an examination of the development of Western notated music and musical style as revealed through studies of social influences, biographical figures, and notated musical scores from ancient times to the mid-seventeenth century.

MUS 2612. Music History and Style II (2).S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An examination of the development of Western notated music and musical style as revealed through studies of social influences, biographical figures, and notated musical scores from the mid-seventeenth century to the mid-nineteenth century.

MUS 2613. Survey of Western Music (3).F;S.

GEN ED: Liberal Studies Experience

A survey of Western music from the Renaissance through the 20th century. Emphasis is placed on style and form of music as perceived by the listener.

MUS 2616. Cuban Music and Culture (3).S.Alternate years.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course is designed to explore the music of Cuba as it has both reflected and shaped culture throughout Cuban history from the pre-Columbian era to the early twenty-first century. Of particular interest is the evolution of Cuban music during the twentieth century as it was appropriated and propagandized for economic and political purposes, as well as the development of Cuban music video accessible via the internet.

MUS 3002. Music Theory V (2).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A continuation of MUS 2002 (Music Theory IV). The study of common-practice forms is concluded. Twentieth-century compositional practices and techniques are studied. Prerequisites: MUS 2002 (Music Theory IV) and MUS 2008 (Aural Skills IV) with a minimum grade of "C-" (1.7) in each course; and RC 2001 or its equivalent. May be repeated no more than twice, including withdrawals after the initial add/drop period.

MUS 3611. Music History and Style III (2).F.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An examination of the development of Western notated music and musical style as revealed through studies of social influences, biographical figures, and notated musical scores from the mid-nineteenth century to the present.

MUS 4800. Clinical Research Project in Music Therapy (1).F;S.

GEN ED: Capstone Experience

Supervised clinical research project in music therapy. Prerequisites: MUS 3070, MUS 3072, MUS 3900 (4 s.h.), and PSY 3100, with a minimum grade of "C" (2.0) in each. Music Therapy majors must earn a grade of "C" or better in this course in order to be eligible for MUS 4901 (Internship in Music Therapy).

MUS 4900. Internship in Music Industry Studies (12).F;S.

GEN ED: Capstone Experience

The internship will be completed under the sponsorship of a music business that focuses on one of the following: music products, music recording, or music management and promotion. The prospective intern and the internship director will select the internship site. The intern will be in weekly contact with the director during the internship. Graded on an S/U basis.

Nursing

NUR 3011. Concepts of Professional Nursing (4).F.

GEN ED: Junior Writing in the Discipline (WID)

This course introduces an expanded knowledge about nurses as members of the profession, providers of care, and coordinators, designers, and managers of care related to differentiated practice. Nursing history, process, and roles are explored. Students receive an introduction to theory, practice, and research concepts. Evidence-based and community-based nursing are introduced along with critical thinking. The nursing process and principles that guide practice are explicated. Nursing trends and issues are identified. Prerequisites: admission to the online RN to BSN degree program and RC 2001 or its equivalent.

NUR 3400. Socialization to Professional Nursing (2).F.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the roles of professional nurses and the profession of nursing. Nursing history, theory, practice, and research concepts are explored. Evidence-based practice, research, critical thinking, and ethical/legal principles are introduced. Prerequisites: NUR 3121, NUR 3123, and RC 2001 or its equivalent.

NUR 4032. Professional Nursing Synthesis (5).F;S.

GEN ED: Capstone Experience

This capstone course is a synthesis of knowledge, theories, and clinical experiences from course work throughout the nursing major. Students develop learning contracts incorporating the roles of provider of care, designer, manager, and coordinator of care, and the member of the profession. The course consists of 120 clinical hours and 30 hours of clinical conference. Prerequisite: admission to the online RN to BSN degree program.

NUR 4130. Professional Nursing Capstone (3).S.

GEN ED: Capstone Experience

The Professional Nursing Capstone clinical course occurs over a 7 1/2 week block and is designed to prepare students for professional nursing practice through refinement of clinical and leadership nursing skills within the clinical setting. Students will integrate knowledge and skills from previous coursework and experiences in order to demonstrate achievement of course and program student learning outcomes. Students will complete precepted hours with a Registered Nurse in the clinical setting to gain experience and apply knowledge in the following nursing roles: Provider of Care; Designer, Coordinator and Manager of Care; Nursing Leader; and Member of a Profession. Prerequisite: admission to the BSN degree program. Graded on S/U basis.

Nutrition

NUT 2202. Nutrition and Health (3).F;S.

GEN ED: Wellness Literacy

Application of basic nutrition principles to the prevention of disease and the promotion of health. The wellness perspective is integrated in the course through the following topics: chronic diseases, health risk assessment, decision making, health behavior change, wellness planning and evaluation, and literature evaluation.

NUT 2351. Global Nutrition: Emerging Health Challenges (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course will examine global nutritional issues as they pertain to health and incidence of disease, integrating social, biological, political, economic, and environmental factors. The relationship of nutrition and global health to diverse aspects of globalization and economic development will be explored. Specific issues include hunger and obesity, infant mortality and elder health, nutritional programs and agencies, local to global food markets, and meat versus plant food sources. Students will gain the ability to accurately evaluate the food and health issues of a specific country or region.

NUT 4200. Advanced Nutrition I (3).S.

GEN ED: Junior Writing in the Discipline (WID)

The role of nutrients at the specialized cellular level. Emphasis on intermediary metabolism of carbohydrates, proteins and fats. Scientific planning of adequate dietaries for normal individuals of different economic levels as related to health and efficiency. Prerequisites: Minimum grade of C in BIO 1801, CHE 1101/1110, and CHE 1102/1120; NUT 3205, CHE 2101, CHE 2102, and RC 2001 or its equivalent.

NUT 4900. Internship (1-12).F;S.

GEN ED: Capstone Experience

Field experience or employment in the area of the student's concentration: dietetics (experience will be obtained in 2 areas: clinical, and either foodservice, or community) or foodsystems management. Supervision and evaluation by the employer and the faculty member.

Prerequisites:

- A. 2.0 overall grade-point average
- B. College rank: seniors (at least 90 s.h. completed toward degree)
- C. NUT 4600
- D. Major courses completed:
 1. Dietetics:
 - a. Clinical - Prerequisite: NUT 4250, AND
 - b. Community - Prerequisites: NUT 3205, NUT 4560, OR
 - c. Foodservice - Prerequisites: NUT 2203, NUT 3202; Prerequisites or Corequisites: NUT 4504, NUT 4509
 2. Foodsystems Management: NUT 2202, NUT 2203, NUT 3202, NUT 4504, NUT 4509
- E. Internship proposal fully approved

Graded on an S/U basis. Contact hours requirement for three credit hours is 150 hours with 50 hours required for each additional credit.

Philosophy

PHL 1000. Introduction to Philosophy (3).F;S.

GEN ED: Liberal Studies Experience

A general introduction to the basic patterns and methods of philosophy as presented through representative thinkers.

PHL 1100. Logic I (3).F;S.

GEN ED: Liberal Studies Experience

This course is an introduction to logical reasoning. It will include the study of truth-functions, translations of English sentences into logical notation, truth-tables, deductions, and some fallacy

identification. The concepts of validity, consistency, tautology, contradiction, and logical equivalence are introduced. Additional topics, such as category syllogisms, inductive reasoning, and quantification may be included at the discretion of the instructor.

PHL 1501. Mind, Knowledge, and Reality (3).F;S.

GEN ED: Liberal Studies Experience

This course explores some of the central philosophical problems that arise in the study of knowledge. In particular, it will address the following questions: What is knowledge? What are the social dimensions of knowledge? Is knowledge a social construction? How do disciplines outside of philosophy (e.g., psychology and neuroscience) help inform the study of knowledge? We will draw readings from both historical and contemporary writers in philosophy and other disciplines.

PHL 1502. Philosophy and Popular Culture (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "How We Tell Stories")

This course will examine the ways in which stories may be used to express or examine philosophical ideas. Many works of fiction explicitly engage with philosophical concerns regarding (for instance) the nature of truth, knowledge, and morality. This course will enable students to recognize such themes in works of fiction and will provide them with the vocabulary needed to analyze and understand those concepts.

PHL 1503. Selves, Bodies, and Cultural Diversity (3).F;S.

GEN ED: Liberal Studies Experience

The course goal is to elucidate how philosophers make local to global connections. The topics of this course are personal identity, human knowledge, and ethical standards. Students will study these topics from various philosophical worldviews, such as, rationalism, empiricism, existentialism and feminism. Issues of global cultural diversity are addressed, such as gender and racial equality.

PHL 2000. Philosophy, Society, and Ethics (3).F;S.

GEN ED: Liberal Studies Experience

An introduction to ethical reasoning and an examination of moral problems in contemporary social issues.

PHL 2010. Animal Philosophy and Ethics

GEN ED: Integrative Learning Experience (Theme: "The Human-Animal Bond")

This class provides an introduction to animal philosophy and ethics. In particular, students study historical as well as recent animal philosophy tracing questions that may include the critique of "the question of the animal," the human/animal binary, animal rights, anthropocentrism, philosophical anthropology, and the relationship between humans and animals including the philosophical discourse around the "animality" of humanity itself.

PHL 2013. Philosophy of Art (3).F.

GEN ED: Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

This course will examine contemporary debates in the philosophy of art. In particular, we will examine theoretical attempts to define art, the role of authorial intention in the interpretation and appreciation of art, and the role and scope of imagination in the appreciation and interpretation of the arts.

PHL 2015. Environmental Ethics (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

This course is an introduction to ethical dimensions of environmental issues. Students will have the opportunity to study theoretical perspectives such as deep ecology, ecofeminism, Native American views of the land, and social ecology. The course will also consider environmental ethical issues such as the moral status of nature, pesticide use, environmental racism, the treatment of animals, deforestation, world population growth, and what it means to live an ecologically responsible life.

PHL 3000. Ancient Philosophy (3).F.

GEN ED: Historical Studies Designation; Liberal Studies Experience

A study of the major philosophers of Greece and Rome including the pre-Socratics, Socrates, Plato, Aristotle, the Stoics, the Epicureans, and the skeptics.

PHL 3013. Philosophical Aesthetics (3).S.

GEN ED: Liberal Studies Experience

This course will take a philosophical look at the nature of aesthetic experience. Our concern will be to understand what makes aesthetic experience unique, what are the causes of aesthetic experience, how aesthetic experience might be related to our appreciation of art and nature, and to examine what role knowledge and belief may play in aesthetic experience.

PHL 3015. Medical Ethics (3).S.

GEN ED: Liberal Studies Experience

This course aims to introduce students from a variety of backgrounds with an interest in health care to the central issues and controversies in medical ethics. The goal is to prepare students to enter the growing fields of medical practice and research equipped with adequate knowledge of ethical issues pertaining to health care practice and research.

PHL 3020. Metaphysics (3).F. Alternate years.

GEN ED: Liberal Studies Experience

This course will provide an advanced introduction to metaphysics, a branch of philosophy concerned with questions and issues that arise out of the study of the nature of reality.

PHL 3030. Feminist Philosophy (3).S.

GEN ED: Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course examines conceptual and normative issues in contemporary feminist theory. Issues to be discussed include power and the production of knowledge, resistance, violence against women, sex and gender, the interrelatedness of gender, race, class, and sexuality, body image, the personal as political, and the relation between feminist theory and activism. The class also considers western and non-western feminist discussion of these themes. The goal is for each student to gain an appreciation of the diversity and complexity of feminist thought, as well as insight concerning the relation between women's experiences and feminist theorizing.

PHL 3050. Philosophy of Race (3).F. Alternate years.

GEN ED: Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

This course will examine the metaphysical epistemological, social, political, and ethical dimensions of race. Class readings will include both historical and contemporary philosophical approaches to race and racism.

PHL 3200. Modern Philosophy (3).S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

A study of views of eminent philosophers of the seventeenth and eighteenth centuries, including Descartes, Hume, and Kant.

PHL 3300. A Critique of Worldmaking (3).S.

GEN ED: Junior Writing in the Discipline (WID)

This course studies the major developments in recent analytic philosophy which have led to a radical challenge to common sense, Nelson's Goodman's Critique of Worldmaking. The basic principle is that worlds are made by making world-versions. The critique is a comparative study of world-versions and their making. We assess how well such a critique has advanced analytic philosophy. Our readings may be drawn from philosophers such as: Ayer, Carnap, Wittgenstein, Dewey, James, Goodman, Quine, Kuhn, and Rorty. Prerequisite: RC 2001 or its equivalent.

PHL 3400. Contemporary Continental Philosophy (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course examines some important philosophers and movements in continental philosophy. Philosophical movements such as Phenomenology, Existentialism, Critical Theory, Feminism, Postcolonial Theory, and Poststructuralism will be discussed. Prerequisite: RC 2001 or its equivalent.

PHL 3550. Philosophy of Mind (3).S.

GEN ED: Liberal Studies Experience

This course will examine some fundamental questions that arise in the philosophy of mind: What does it mean to say that a person has a mind? Are mental states (such as beliefs and desires) nothing but brain states, or are they states of a different kind? Do robots or animals have minds? The course will also provide a historical survey of various philosophical theories of mind, including substance dualism, philosophical and methodological behaviorism, identity theories, functionalism and connectionism.

PHL 3600. Philosophy of Science (3).S.

GEN ED: Liberal Studies Experience

An investigation of the foundations, structure, actual attainments, and ideals of the sciences.

PHL 4700. Senior Research: Philosophy (3).S.

GEN ED: Capstone Experience

Designed for majors in Philosophy. Development and completion of an independent research project in the context of a seminar in which the student's ideas, drafts and thesis are questioned and defended. In addition to the discussion of each student's work, issues regarding the nature of philosophy will be discussed. This course provides an opportunity to utilize philosophical skills in a systematic analysis of a philosophical problem. Each student will develop a thesis to be presented and defended in a public forum. Prerequisites: nine semester hours in PHL courses at or above the 2000 level or consent of the instructor.

Physical Education

Physical Education Activity Program

GEN ED: Wellness Literacy

PE 1530-1549. Selected Topics (1-4).On Demand.

PE 1700. Swimming for Nonswimmers (1).F;S.
PE 1702. Beginning Swimming (1).F;S.
PE 1703. Intermediate Swimming (1).F;S.
PE 1704. Advanced Swimming (1).F;S.
PE 1705. Open Water SCUBA Diving (1).F;S. (Fee charged)
PE 1706. Advanced Open Water SCUBA Diving (1).F;S. (Fee charged)
PE 1709. Water Aerobics (1).F;S.
PE 1712. Swimming for Fitness (1).F;S.
PE 1714. Water Polo (1).F;S.
PE 1718. Lifeguarding and Water Safety (3).F;S.
PE 1720. Hiking (1).F;S.
PE 1721. Backpacking/Orienteering (1).F;S.
PE 1722. Geocaching (1).F;S.
PE 1724. Canoeing (1).F;S.
PE 1725. Intermediate Canoeing (1).F;S.
PE 1727. Fly Fishing (1).F;S.
PE 1730. Rock Wall Climbing (1).F;S.
PE 1731. Rock Climbing (1).F;S.
PE 1732. Bouldering (1).F;S.
PE 1733. Mountain Biking (1).F;S.
PE 1734. Intermediate Mountain Biking (1).F;S.
PE 1735. Whitewater Rafting (1).F;S.
PE 1736. Introduction to Whitewater Kayaking (1).F;S.
PE 1738. Flat Water Kayaking (1).F;S.
PE 1739. Stand Up Paddleboarding (1).F;S.
PE 1742. Aerobics (1).F;S.
PE 1743. Intermediate Aerobics (1).F;S.
PE 1744. Zumba (1).F;S.
PE 1745. Jogging/Conditioning (1).F;S.
PE 1747. Walking/Conditioning (1).F;S.
PE 1751. Yoga (1).F;S.
PE 1752. Intermediate Yoga (1).F;S.
PE 1754. Weight Training (1).F;S.
PE 1755. Intermediate Weight Training (1).F;S.
PE 1756. Crossfit (1).F;S.
PE 1759. Indoor Cycling (1).F;S.
PE 1770. Self-Defense (1).F;S.
PE 1775. Fencing (1).F;S.
PE 1778. Tai Chi (1).F;S.
PE 1780. Kung Fu (1).F;S.
PE 1782. Arnis Stick Fighting (1).F;S.
PE 1784. Jiu Jitsu (1).F;S.
PE 1790. Basketball (1).F;S.
PE 1791. Intermediate Basketball (1).F;S.

PE 1793. Field Hockey (1).F;S.
PE 1795. Flag Football (1).F;S.
PE 1800. Ultimate Frisbee (1).F;S.
PE 1802. Soccer (1).F;S.
PE 1804. Indoor Soccer (1).F;S.
PE 1810. Badminton (1).F;S.
PE 1812. Pickleball (1).F;S.
PE 1819. Racquetball (1).F;S.
PE 1820. Intermediate Racquetball (1).F;S.
PE 1822. Tennis (1).F;S.
PE 1823. Intermediate Tennis (1).F;S.
PE 1825. Volleyball (1).F;S.
PE 1827. Wallyball (1).F;S.
PE 1840. Softball (1).F;S.
P E 1850. Archery (1).F;S.
PE 1873. Alpine Skiing (1).S. (Fee charged)
PE 1874. Intermediate Alpine Skiing (1).S.(Fee charged)
PE 1876. Alpine Snowboarding (1).S. (Fee charged)
PE 1877. Intermediate Alpine Snowboarding (1).S.

Physics

PHY 1101. How Things Work (4).F.

GEN ED: Science Inquiry (Themes: "How Things Work" and "Physics of Self Expression")

An introductory survey of the ideas of mechanics, fluids, wave motion, sound, light, and special relativity. Objects from our daily environment will be considered as their operation, histories, and relationships to one another are explored. This course seeks to dispel the mysteries surrounding everyday phenomena. Lecture three hours, laboratory two hours. Corequisite: MAT 1010 or MAT 1020 or MAT 1025. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1102. Environment and Everyday Life (4).S.

GEN ED: Science Inquiry (Theme: "How Things Work")

An introductory survey of thermodynamics, electricity, magnetism, atomic and nuclear physics. Objects from our daily environment will be considered as their operation, histories, and relationships to one another are explored. Lecture three hours, laboratory two hours. Prerequisite: PHY 1101. PHY 1102 is not open to students who have credit for PHY 1830. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1103. General Physics I (4).F;S.

GEN ED: Science Inquiry (Theme: "Physics of Our Technological World")

A study of the basic principles of physics including mechanics, thermodynamics, sound, electricity and magnetism, optics, and modern physics. Corequisite for PHY 1103: MAT 1020 or MAT 1025 or the equivalent. Lecture three hours, laboratory two hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1104. General Physics II (4).F;S.

GEN ED: Science Inquiry (Theme: "Physics of Our Technological World")

A study of the basic principles of physics including mechanics, thermodynamics, sound, electricity and magnetism, optics, and modern physics. Prerequisite for PHY 1104: PHY 1103 or the equivalent. Lecture three hours, laboratory two hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1150. Analytical Physics I (5).F;S.

GEN ED: Science Inquiry (Theme: "Physics with Calculus")

An analytical and quantitative treatment of physics at a somewhat more advanced level than the PHY 1103-PHY 1104 sequence using calculus. Intended primarily for students majoring in the natural sciences, mathematical sciences, and pre-engineering. Topics covered include mechanics, heat, light, sound, electricity, magnetism, and quantum phenomena. Corequisite for PHY 1150: MAT 1110. Lecture four hours, laboratory three hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1151. Analytical Physics II (5).F;S.

GEN ED: Science Inquiry (Theme: "Physics with Calculus")

An analytical and quantitative treatment of physics at a somewhat more advanced level than the PHY 1103-PHY 1104 sequence using calculus. Intended primarily for students majoring in the natural sciences, mathematical sciences, and pre-engineering. Topics covered include mechanics, heat, light, sound, electricity, magnetism, and quantum phenomena. Corequisite for PHY 1151: MAT 1120. Lecture four hours, laboratory three hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1812. Acoustics and Harmonics (4).F.

GEN ED: Science Inquiry (Theme: "Physics of Self Expression")

An exploration of sound and the underlying physical principles that govern it: Newton's laws of motion, energy, power, pressure, elasticity, oscillations, waves, resonances, and harmonics, as well as the quantitative application of these principles to topics such as: musical intervals, the equal-tempered scale, the decibel scale, harmony, dissonance, overtones, hearing, voices, and the construction and timbre of musical instruments. Lecture three hours, laboratory two hours. Prerequisite: MAT 1010 or permission of the instructor. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1814. Sound and Recording (4).S.

GEN ED: Science Inquiry (Theme: "Physics of Self Expression")

An exploration of acoustics, electronic circuits and signal processing as it applies to the creation and recording of sound and music. Topics to be covered include: AC and DC circuits, filtering, amplification, mechanical and electromagnetic properties of speakers, microphones, analog and digital recording, acoustics of rooms, digital audio signal processing, electronic synthesizers, multi-track recording, and mastering. Lecture three hours, laboratory two hours. Prerequisite: PHY 1812 or PHY 1103 or PHY 1150. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHY 1830. The Physical Principles of Energy and Sustainability (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

An introduction to the physical principles governing energy and renewable technologies. Topics will include: thermal, geothermal, electrical, magnetic, wind, solar, hydroelectric, nuclear, and other sources of energy as well as other sustainable technologies such as conservation of material resources. PHY 1830 is not open to students who have credit for PHY 1102.

PHY 2210. Physics Laboratory Techniques and Data Analysis (3).S.

GEN ED: Junior Writing in the Discipline (WID)

A course designed for physics majors emphasizing experimental techniques, measurements, data and error analysis, experimental planning and evaluation, and report writing. Intermediate classical experiments with both oral and written reports. Lecture two hours, laboratory two hours. Prerequisite: RC 2001 or its equivalent. Corequisite: PHY 2020.

PHY 4210 Methods of Experimental Physics (4).F;S.

GEN ED: Capstone Experience

Measurement theory, analysis, interpretation and evaluation of data experiment design and scientific report writing. A limited number of advanced laboratory experiments will be performed which illustrate important concepts and methods. Literature searches, written reports and some oral reports will be required. Lecture two hours, laboratory three hours. Prerequisite: PHY 2210.

Planning

PLN 2410. Town, City and Regional Planning (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

Introduction to the principles, philosophies, processes, and theories of planning. Emphasis is placed on planning approaches to the solution of contemporary regional, urban, and environmental problems. Students may choose to participate in field trips.

PLN 3432. Planning Techniques (4).F.

GEN ED: Junior Writing in the Discipline (WID)

The course helps students develop skills and knowledge of planning methods and learn techniques that planners use to accomplish tasks in the planning office. The class combines formal lectures, discussion, and in-class exercises. Prerequisites: PLN 2410 and GHY 2812 or PLN 2812; and RC 2001 or its equivalent. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PLN 4830. Professional Development in Geography and Planning (3).F;S.

GEN ED: Capstone Experience

This course provides a capstone experience, bringing together a variety of planning and geography skills, abilities and knowledge. It integrates academic concepts with real-world experience and helps the student advance from the undergraduate academic environment to a planning career and/or to graduate study. (Same as GHY 4830.)

Political Science

PS 1100. American National Government and Politics (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

A study of the development and operation of the American national government, its powers, organization and policies.

PS 1200. Current Political Issues (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

A study of the current political issues and problems facing the national government. Problems in such areas as labor, education, the economy, agriculture, equal rights, foreign relations and national security will be analyzed. Not open to students with credit for PS 1201.

PS 2120. International Politics and Foreign Policy (3).F.

GEN ED: Integrative Learning Experience (Theme: "From Empire to Globalization")

An introduction to the study of international politics and foreign policy. Students will be introduced to a variety of analytical approaches to the study of global relations, including the participant, the systemic, the perceptual, and the instrumental frameworks. Students will be exposed to the complexities of international affairs and global relations which are the result of the confluence of historical, geographical, economic, cultural, and political factors.

PS 2130. State and Local Government (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

An examination of the organization, problems and powers of state and local governments in the United States, focusing upon the responses of states, counties, and municipalities to needs caused by poverty, growth, and social change.

PS 3280. Public Policy Analysis (3).F.

GEN ED: Junior Writing in the Discipline (WID)

A study of the policy-making process, with special attention to the various factors that influence policy choices in the American government and an examination of the procedures for evaluating actual and alternative public policy programs. Prerequisite: RC 2001 or its equivalent

PS 3320. Global Conflict and Mediation: The UN (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course introduces students to the United Nations and its role in global conflict and mediation. Topics include basic facts about the United Nations institutions and functions, as well as the competing positions of various countries within the United Nations on specific issues. Prerequisite: RC 2001 or its equivalent.

PS 3370. Voting, Campaigns, and Elections (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This class is designed to examine the procedures, political actors, and institutions that are involved in American campaigns and elections. Significant attention will be paid to the theories and explanations for why people vote and how they make decisions. The class will focus on the organizations that influence political campaigns, the role that public opinion plays in campaign strategies (and in determining the vote), and the laws under which elections are conducted. While presidential elections are the most visible, we will also focus on congressional and state and local elections, which are equally important in the political process. Prerequisite: RC 2001 or its equivalent

PS 3410. Marxism (3). On Demand.

GEN ED: Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

Explores the basic principles and features found within Marxist thought. This includes some discussions of Marx's immediate predecessors such as Hegel and Feuerbach in post-Marxist socialist and communist literature.

PS 3550. Judicial Decision-Making (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course is designed to expose students to the theories and research that explain why judges make the decisions they make, and how these decisions interact with the other branches of the American political system. Focusing primarily on the Supreme Court, students in this course will gain an understanding of the roles that the law, politics, and ideology play in guiding decisions of the "least dangerous branch." Prerequisite: RC 2001 or its equivalent.

PS 4225. International Security (3).F.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "War and Peace")

This course examines the diverse theoretical perspectives within international relations and security studies. The class analyzes each of these perspectives critically, to evaluate their strengths and weaknesses, and to help students formulate their own understanding and explanation of the dynamics of global politics and international security.

PS 4230. The Presidency and the Executive Branch (3).F.

GEN ED: Junior Writing in the Discipline (WID)

An examination of the central role of the American presidency in the political process. Emphasis is given to contemporary responsibilities of the President and of the major agencies supporting the President. Prerequisite: RC 2001 or its equivalent

PS 4723. International Political Economy (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

An examination of the relationship between political and economic activity, the way actors use one to manipulate the other, and the normative choices involved in doing so. Prerequisite: junior or senior standing, or permission of the instructor. Prerequisite: RC 2001 or its equivalent [Dual-listed with PS 5723.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

PS 4748. Latin American Politics (3).S. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

Examines Latin American politics in detail covering historical context, political actors, and current issues in Latin America. Prerequisite: junior or senior standing, or permission of the instructor. Prerequisite: RC 2001 or its equivalent [Dual-listed with PS 5748.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

PS 4800. Political Science Capstone (1).F;S.

GEN ED: Capstone Experience

The capstone course offers students an opportunity to synthesize the knowledge, approaches, and results from political science with the foundation established in the general education program through participation in a department-wide student paper competition. Students select a paper previously written in a political science class, revise it based upon faculty and fellow student input, and then submit

the paper for consideration by the political science faculty, who will award prizes for “Best Paper in Political Science” as well as runner-ups. Prerequisite: must be majoring in political science.

PS 4900. Internship in Public Affairs (3-12).F;S.

GEN ED: Capstone Experience

Field work in government, community, professional offices and agencies and involvement in problem solving in these offices and agencies. Graded on an S/U basis. Prerequisite: senior standing (or 90 semester hours of coursework).

Portuguese

POR 1050. Intermediate Portuguese II (3).S.

GEN ED: Liberal Studies Experience

A continuation of POR 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: POR 1040 or the equivalent. Laboratory work required.

Psychology

PSY 1200. Psychological Foundations (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course will focus on the biological and cognitive foundations of individual behavior, as well as the individual in the social context. Research on psychological phenomena will be reviewed to demonstrate the logic of the scientific method, to foster critical thinking, to identify potential shortcomings in interpretations of behavior (e.g., claims presented in the popular media), and to describe linkages to everyday experiences (e.g., aesthetic and perceptual judgments, improved studying, friendship and attraction, and development of political attitudes). Students will have the opportunity to learn how to use empirical data to draw sound conclusions about behavior. Finally, connections to other thematic areas of scholarly inquiry within other disciplines will be presented.

PSY 2100. Psychology of Parenting (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Social Relations Across Contexts")

The study of social, multi-cultural, cognitive, and behavioral principles in psychology as applied to the theory and practice of parenting.

PSY 2213. Survey of Social Psychology (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Social Relations Across Contexts")

An overview of the basic principles of social psychology. A survey of the research findings and how they may be applied to real world situations. Students who have previously received credit for PSY 3213 may not enroll in or receive credit for PSY 2213.

PSY 3100. Research Methods in Psychology (4).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Basic research/design concepts such as variables, confounding, causation, levels of measurement, observational research strategies, experimental design and control procedures, and use of descriptive, correlational and inferential statistics will be introduced. Students will have the opportunity to develop competence in conducting literature reviews, report writing in APA style, data collection and analysis. Lecture three hours, laboratory two hours. Prerequisite or corequisite: RC 2001 or its equivalent. Prerequisites: PSY 1200, and STT 2810 or STT 2820 (with a grade of "C" or higher in STT 2810 or STT 2820). (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PSY 4655. Contemporary Issues in Psychology (3).F;S.

GEN ED: Capstone Experience

An investigation and discussion of psychological phenomena using scientific methodology and empirical research to evaluate causal claims, evaluate research, assess validity and engage in critical thinking. A focus of the class will be the use of empirical research literature, as well as oral and written assignments to improve reasoning skills in order for students to become more critical consumers of information from both academic and popular sources. Topics will span multiple areas of psychology. Prerequisites: PSY 1200 and PSY 3100 or permission of the instructor.

PSY 4658. History and Systems of Psychology (3).F;S.

GEN ED: Capstone Experience

An analysis of the philosophical and empirical antecedents of modern psychology and the contemporary systems which emerge from these. Prerequisites: PSY 1200 and PSY 3100 or permission of the instructor.

Public Health

PH 1105. Health and Fitness (2).F;S.

GEN ED: Wellness Literacy

Emphasis on health and fitness trends in America, fitness and health testing concepts, exercise prescription, nutrition principles, prevention and treatment of chronic diseases such as heart disease, obesity, cancer, diabetes mellitus, and osteoporosis, the relationship between health habits and aging and psychological health, stress management, and precautions in exercise. Each student will have their health and physical fitness status tested, including results on personal cardiorespiratory, body composition, and musculoskeletal fitness status, and personal diet, heart disease, health age, and stress profiles.

PH 2000. Introduction to Public Health (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course is designed to provide an overview of public health with an emphasis on the population perspective and the impacts of health care systems. This course will provide students with the tools to think critically about the various areas of public health including environmental and social/behavioral influences on the health of the public in the U.S. The fields of public health and medicine will also be compared and contrasted.

PH 3800. Public Health Interventions I (3).F.

GEN ED: Junior Writing in the Discipline (WID)

Provides an in-depth overview of public health intervention planning and evaluation for all settings. Specifically, students will study how to assess individual and community health needs; plan, implement and evaluate effective public health interventions; and coordinate the provision of public health services. Prerequisite: RC 2001, PH 3250, and PH 3700.

PH 4900. Internship (3–12).F;S.

GEN ED: Capstone Experience

Students are placed in a variety of health related agencies such as health departments, community action agencies, community mental health centers, educational institutions, wellness programs, hospitals, industrial/business settings, etc. for part or all of a semester or summer, under the direction of the health internship coordinator. The student surveys agency functions, completes a project and writes a final paper under the supervision of a health educator or health related person. Prerequisite: senior standing. Graded on an S/U basis.

Recreation Management

RM 2000. Nature and Youth (3).F;S.

GEN ED: Liberal Studies Experience

The primary focus of this course is to examine how attitudes, interests and knowledge are shaped by interactions with one's natural surroundings. Students will identify their earliest formative experiences as youth (ages 4-14) and describe how natural spaces and non-formal learning environments have contributed to what they know about the natural environment (content) and how they know it (learning). Students will participate in outdoor activities, such as hiking and a river trip, explore the interconnectedness of life systems (self and natural world), demonstrate stewardship that improves conditions in their natural surroundings, and examine the role of non-formal educators, both experts and themselves, and outdoor enthusiasts who promote sustainable practices and/or active engagement in the outdoors. (Same as CI 2000.)

RM 2100. Leisure in Society (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course focuses on relationships between the individual and society in the context of leisure. It examines both the biological and cognitive foundations of individual leisure behavior and the cultural forces that influence personal experience. Emphasis is on how an individual's leisure simultaneously shapes and is shaped by diverse group, organizational and social contexts.

RM 2140. Natural Resources: Becoming an Informed Citizen (3).F;S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

Through the lens of outdoor recreation, this course will examine natural resources to help shape a more informed citizen. Students will examine dealings with natural resources by looking at how humans value and define ownership of them, as well as look at natural and outdoor recreation resource management practices and why they can be controversial or problematic. In addition, this course will look at how citizens become involved in the politics of natural and outdoor recreation resources.

RM 3610. Administration of Leisure Services II (3).S.

GEN ED: Junior Writing in the Discipline (WID)

This course examines contemporary managerial concepts with application to the public, not-for-profit, and commercial sectors of the leisure service industry. This course focuses on the development of skills necessary to facilitate the achievement of organizational goals and objectives. Prerequisites: RM 2110, RM 2310, and RC 2001 or its equivalent.

RM 4210. Senior Seminar (2).F;S.

GEN ED: Capstone Experience

This course focuses on planning for continuing individual, professional activity and growth in the leisure services delivery field. It includes a series of discussions, conferences and role playing experiences related to the various aspects of organized recreation as a career. A review of internships, employment opportunities, ethical conduct and other related topics will be included. Prerequisites: RM 3315, or approval of the instructor, and senior status.

Religious Studies

REL 1010. Religion and Imaginary Worlds (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

This course will explore various expressions of religious imagination in cultural products such as literature that reflect or contribute to religion and religious ideas. A variety of types of literature (including biblical and modern) will be used. The class is organized around the literary critique of religious issues and the postmodern crisis of belief. The class will also consider literary theory and the critical issues involved in transferring literature to other media forms.

REL 1100. Religion and Contemporary Issues (3).F.

GEN ED: Social Science Designation; Liberal Studies Experience

This course examines the relationship between religion and the issues that confront our world. Through the exploration of writings of religious significance and other material and media artifacts (art, architecture, music, media, political rhetoric, film, etc.), the course considers how cultural and social influences shape religious expression and contribute to religion as a force in contemporary life both locally and globally.

REL 1110. Religions of the World (3).F;S.

GEN ED: Liberal Studies Experience

This course introduces the major living religions of the world.

REL 1115. Religion Goes to The Movies (3).F;S.

GEN ED: Liberal Studies Experience

This course explores how religious expression communicates on film as well as how it relates to the cultural circumstances from which particular films emerged. We apply widely used theoretical approaches to the critical study of religion to provide insight into the interpretation of select films and consider how the academic study of religion relates the notions of religion, film, culture and imagination.

REL 1120. Confronting Death (3).S.

GEN ED: Liberal Studies Experience

How do different religious traditions think about illness and end of life issues? What rituals do adherents perform? This course explores how religious belief and practice impact treatment decision making and includes consideration of specific issues such as suicide, euthanasia, and organ donation. It also examines funeral and bereavement rituals for both disposition of bodies as well as for individual and community mourning and support.

REL 1700. What is Religion? (3).F.

GEN ED: Liberal Studies Experience

Religions are complicated and fascinating forces, and they have a powerful influence on people's lives and on the world we share. But what exactly is religion? What is distinctive about religious beliefs, practices, or communities? If people have "freedom of religion," what may they do and what may they not do? If science explains the world, what is it that religious teachings do? Are religions prone to irrationality and violence? This course therefore serves as an introduction to the academic study of religion as well as to a major or minor in Religious Studies.

REL 2010. Old Testament: The Jewish Scriptures (3).F;S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

An analysis of Old Testament literature as the product of the life of the Israelite people. Students will have the opportunity to examine selected documents in terms of their literary structure, historical context, and religious perspective.

REL 2020. New Testament (3).F;S.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "How We Tell Stories")

An analysis of early Christian literature as the product of the lives of the first followers of Jesus Christ. Students will have the opportunity to examine selected documents in terms of their literary structure, audience, historical context, religious perspective, and their relation to the broader Christian community and Western culture.

REL 2030. Islamic Literature (3).S.

GEN ED: Literary Studies Designation; Liberal Studies Experience

An exploration of the Qur'an and of works that have shaped, illustrated, or supplemented Islamic beliefs and practices.

REL 2110. Judaism (3).F.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An examination of the history, literature, and faith of post-exilic Judaism, with concentration on selected topics and periods.

REL 2120. Christianity (3).S.

GEN ED: Historical Studies Designation; Liberal Studies Experience

An exploration of Christianity from the early period through the Enlightenment and rise of contemporary Christian movements, students will explore the history of the church, its doctrinal emphases, and its practice in a variety of locations and time periods.

REL 2130. Islamic Religion and Culture (3).F.

GEN ED: Liberal Studies Experience

A selective survey of the religion and its expression in Islamic civilization from the time of the prophet Muhammad to the contemporary Islamic revival.

REL 2150. Buddhism (3).F.

GEN ED: Historical Studies Designation; Liberal Studies Experience

This course surveys the historical development of Buddhist traditions in Asia, beginning with ancient India and continuing with the emergence of major schools and traditions in China, Japan, Tibet, and Southeast Asia. We will also examine Buddhism and modernity in Asia and representations and practices of Buddhism in Western popular culture and society.

REL 2180. Life Without God (3).F.

GEN ED: Liberal Studies Experience

What does life look like once we entertain the possibility that God does not exist? Can a life without God be a purposeful and meaningful one? Pursuing answers to such questions, this course introduces students to atheism, naturalism, and humanism, worldviews enjoying greater acceptance today than ever before in human history. Using interdisciplinary resources from psychology and biology to philosophy and religious studies, the course directly facilitates both critical self-scrutiny as well as global awareness.

REL 3100. Church and State in Latin America (3).S.

GEN ED: Integrative Learning Experience (Theme: "Las Americas")

Christianity in Latin America takes several forms, most notably through the controversial movements involving liberation theology. This course will explore the relationship between Church and State in Latin America, treating religion as one component of a multi-disciplinary approach to the problems of poverty and social injustice both historically and contemporarily.

REL 3110. Religion in America (3).F.

GEN ED: Integrative Learning Experience (Theme: "American Culture: Past and Present")

An examination of religious beliefs and practice in the United States.

REL 3120. African Thought (3).S.

GEN ED: Liberal Studies Experience

A selective survey of insights, systems of thought, and cosmologies of traditional folk religions, of African versions of global religions and of contemporary intellectuals.

REL 3170. Religion and Violence (3).S. Alternate years.

GEN ED: Integrative Learning Experience (Theme: "War and Peace")

Why does the history of world religions admit to several moments of violence? Why do the religious commit acts of violence not only against others but against themselves as well, for example, through acts of sacrifice and penance? Employing a multi-disciplinary approach, the course will address not only the historical, and what could possibly be perceived as the accidental, nature of violence in religion, but also and provocatively the structural role of violence in religion.

REL 3700. Theories of Religion (3).S.

GEN ED: Junior Writing in the Discipline (WID)

An introduction to major issues and the methods employed in the academic study of religion. Students will focus on acquiring the skills necessary to accomplish research in the field of religious studies.

Prerequisites: RC 2001 or its equivalent.

REL 3710: Religion, Ecology, & Biology (3) F.

GEN ED: Junior Writing in the Discipline (WID)

This course introduces the student to the ecological and biological study of religion. The course specifically considers the extent to which evolutionary theory illumines the origins, functions, and continuing vitality of religious belief, behavior, and experience, taking time along the way to consider the unscientific theory of intelligent design and the controversies associated therewith. In addition to a general evolutionary account of religion, the course assesses the role of infectious disease ecologies in the evocation of religious diversity. Prerequisite: RC 2001 or its equivalent.

REL 3715. Biblical Interpretation (3).S.

GEN ED: Junior Writing in the Discipline (WID)

An intensive examination of methods and issues in biblical interpretation, with extensive experience in the interpretation of specific biblical texts from both testaments. Major issues in the history of interpretation will be discussed, with emphasis on contemporary methods. Prerequisites: REL 2010 or REL 2020 and junior or senior standing, or permission of the instructor and RC 2001 or its equivalent.

REL 3725. Religion and Empire (3).F.Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the nature of empire and its conflicted relationship with religion. It will cover different case studies from differing geographic and historic locales. Religion and empire have moved hand in hand shaping the way that both colonizer and colonized understood, practiced, and created religion. In the process of expanding their world (and altering other worlds), colonizers came to think about themselves in terms of new identities; and colonized peoples forged their own identities in the midst of struggle. Prerequisite: RC 2001 or its equivalent.

REL 3740. Religion and Social Theory (3).S.Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

An examination of the different explanations of the role of religion in the world and its function within human society. The class will focus on the specific application of such theory to real world religious phenomena. Prerequisite: RC 2001 or its equivalent.

REL 3750. Minds, Brain, and Religion (3).S.

GEN ED: Junior Writing in the Discipline (WID)

An introduction to the psychological study of religious belief, experience, and behavior through a survey of various sub-disciplines within psychology: e.g., Freudian psychoanalysis, existential psychology, object relations theory, attachment theory, cognitive psychology, and evolutionary psychology. Prerequisites: RC 2001 or its equivalent.

REL 3760. Religion and Reason (3).S.Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

This course focuses on the analysis and discussion of religion in general rather than on any particular belief system and is a field of study that has been embraced by both believers and nonbelievers. The

course discusses texts by secular and religious commentators about the nature of religion and of religious experience, and considers epistemological, ontological, logical, aesthetic, and ethical concepts and claims of religions. Prerequisite: RC 2001 or its equivalent.

REL 3770. Religion, Gender, and the Body (3).S.Alternate Years.

GEN ED: Junior Writing in the Discipline (WID)

This course examines how religions configure the human body as both a problem and an opportunity. Students will examine theories concerning the social and cultural construction of gender, sexuality, and embodiment, and the implications of these theories for the study of religion. Case studies will help students gain proficiency in applying the theoretical insights of cultural and gender studies not only to specific cultural and historical settings, but also to similar phenomena in other times and places. Prerequisite: RC 2001 or its equivalent.

REL 4700. Senior Seminar (3).F;S.

GEN ED: Capstone Experience

An intensive study of special problems, topics, or issues related to the study of religion. The subject matter of this course will vary with the topic selected being focused on literature in the fall and culture in the spring. Prerequisite: completion of at least six semester hours of religious studies (REL) course work at the 3000 or 4000 level including one methods course (one course in the REL 3700 sequence).

Rhetoric and Composition

RC 1000. Expository Writing (3).F;S.

GEN ED: First Year Writing

An introduction to the various types of expository essays. A grade of "C" or higher in this course fulfills the English proficiency requirement for students entering the Reich College of Education or the Walker College of Business.

RC 2001. Introduction to Writing Across the Curriculum (3).F;S.

GEN ED: Second Year Writing

This course introduces students to writing across the curriculum. Students write in different genres for different academic communities, read a variety of academic texts rhetorically, and analyze the writing conventions of various academic communities. Prerequisites: completion of 30 semester hours of credit, including RC 1000 and UCO 1200.

Russian

RSN 1050. Intermediate Russian II (3).S.

GEN ED: Liberal Studies Experience

A continuation of RSN 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: RSN 1040 or the equivalent. Laboratory work required.

Social Work

SW 2020. The American Social Welfare System (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "American Culture: Past and Present")

An introduction to social welfare as a concept and as a social institution: overview of the public and private network of social programs and services intended to help fulfill basic human needs. Analysis of major social issues, problems, and values which shape social policy and the distribution of resources in the U.S., with attention to several other nations.

SW 2615. Cultural Competence in the Helping Professions (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

This course offers an opportunity for students to examine both personal and professional issues related to practice in the helping professions. Focus is on sensitivity to, understanding of, and appreciation for people from diverse cultural backgrounds. It includes content related to vulnerable, underserved groups in the United States and examines culture and social class within the context of culturally proficient delivery of human services.

SW 3330. Social Welfare Policies, Programs, and Issues (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Examines policies and issues associated with existing social service delivery systems, and emphasizes policy formulation and assessment of alternative strategies for establishing and meeting social goals. Influence of social work principles, values, and practice on social welfare policies and issues. Prerequisites: RC 2001 or its equivalent; PS 1100; and admission to the professional sequence; or consent of the BSW Program Director.

SW 4690. Senior Seminar: Issues and Ethics for Field and Profession (3).F;S.

GEN ED: Capstone Experience

This seminar integrates academic concepts and theory with the realities of social work practice that students experience in field settings, and explores and synthesizes contemporary professional issues. Corequisite: SW 4650.

Sociology

SOC 1000. The Sociological Perspective (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course applies the sociological perspective to the experience of individuals within differing social contexts, ranging from interpersonal interactions and small groups to larger organizations and the broader society. Relationships between individuals and their societies are examined with respect to a variety of issues, including socialization processes and cultural diversity; the nature of gender, racial, and other social identities; and institutional settings ranging from the family to the economy and government. Required for majors and minors.

SOC 1100. Social Problems in American Society (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

A survey course which examines the major social problems in America today, such as poverty, racism, sexism, aging, militarism and war, environmental abuse, crime, mental illness, drug abuse and alcoholism.

SOC 1110. Sociology of Intimate Relationships (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Social Relations Across Contexts")

Sociological perspectives and knowledge concerning intimate relationships, marriage, and family life in American society. General topics include marriage and marital relations; the family as a social institution; intimacy and love; sex, sexuality, and sexual relations; gender relations; singlehood; family dynamics; parenthood and child rearing; family crisis, conflict, and change; and marital separation, divorce, and remarriage.

SOC 2020. Social Deviance (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course explores the social construction of deviance and the social causes of and explanations for deviant behavior. The course emphasizes theoretical explanations of social deviation illustrated with substantive examples as they occur in a social context.

SOC 2050. Social Diversity and Inequalities (3).S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Intersections: Race, Class, and Gender")

This course utilizes intersectionality as a conceptual anchor to examine the social diversity, inequality, and power differentials that exist with the United States and abroad. Among the topics covered are how such social identities of race, ethnicity, gender, social class, sexuality, religion, nationality, region, and other social statuses are related to social stratification, intergroup relations, and other social patterns. Discussion centers on how these socially-constructed statuses provide rationales for privilege and oppression and their relationship to the structural distribution of power and control across contexts.

SOC 2850. Constructions of Gender (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

Introduction to current sociological perspectives on gender, with an emphasis on the U.S. Examines the ways gender shapes individuals, intersects with class, race/ethnicity, and sexuality, and how constructions of gender contribute to and reflect inequality in society.

SOC 3100. Gerontology (3).F;S.

GEN ED: Social Science Designation; Liberal Studies Experience

This course will provide a broad overview of the physical, psychological, social, and cultural aspects of aging. Major concepts, issues, and current research on aging will be analyzed, and current and proposed federal, state, and local programs impacting on the aged will be examined.

SOC 3710. Sociology of Appalachian Communities (3).S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Appalachian Mountains: Community, Culture, and Land")

This course examines Appalachian communities from the sociological perspective, with a focus on how the region gives rise to a unique configuration of cultural, institutional, and other social practices. Specific attention is also given to the differences between urban and rural Appalachian communities, as well as the complex relationships Appalachia has with the broader component of American society.

SOC 3800. Sociology of War (3).F.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "War and Peace")

A study of the sociological effects of war on individuals, families, and communities. Topics that are covered include military conscription and the draft, the role of minorities in the military, pro-war and anti-war movements, readjustment problems of veterans, war crimes, the portrayal of war in film and music, ethnocentrism and cultural differences, general causes of war and conflict resolution.

SOC 3885. Research Methods I (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Relationship of theory to research; research design, sampling procedures, application of research methodologies. Required of majors. Prerequisites: six semester hours in sociology, including SOC 1000; and RC 2001 or its equivalent.

SOC 3960. Sociological Theory II (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course examines the major theories that have contributed the most to our understanding of social behavior and human relationships. The course covers contemporary theories and recent trends. Required of majors. Prerequisites: SOC 1000 and SOC 3950.

SOC 4450. Senior Seminar (3).F;S.

GEN ED: Capstone Experience

Synthesis, application, and evaluation of sociological perspectives to enhance the understanding of sociology, social behavior, and social issues. Consideration of major theoretical and methodological approaches in sociology and application of the sociological imagination, principles, and concepts to everyday life. Emphasis on the development of critical and analytical thinking skills. Required of majors. Prerequisites: SOC 3885, SOC 3895, SOC 3950, and SOC 3960.

Somatic Sustainability

SSU 2280. Yoga as Somatic Practice (2).S.

GEN ED: Wellness Literacy

This course will examine the basic principles of the physical practice of yoga known as Hatha Yoga. The course will explore the practice of asanas (sustained postures) and vinyasas (sequences of postures connected by breath), pranayama (breathing exercises) and pratyahara, (meditation practices). Students will also be introduced to the philosophical and historical context of Hatha yoga. May be repeated one time for credit.

SSU 2460. Somatics and Sustainable Practices (3).F;S.

GEN ED: Liberal Studies Experience

This course will contextualize issues regarding sustainable practices, the emerging field of Somatics, and

the body. Experiential work will result in group projects designed to initiate change in the community.
Lecture/Studio Combo

SSU 2480. Pilates Mat (2).F;S.

GEN ED: Wellness Literacy

This course is an experiential course based on the principles and teachings of Joseph H. Pilates. The Pilates method combines both Eastern and Western approaches to physical and mental conditioning with an emphasis on moving with maximum efficiency and precise control. May be repeated one time for credit.

SSU 2580. Gyrokinesis (2).F;S.

GEN ED: Wellness Literacy

Gyrokinesis methodology, as developed by Julio Horvath, embraces key principles of dance, yoga, gymnastics and tai-chi. The method works the entire body using spinal articulations and undulating rhythms integrated with specific breathing patterns. May be repeated one time for credit.

SSU 4580. Gyrotonic (2).On Demand.

GEN ED: Wellness Literacy

Gyrotonic methodology, as developed by Juliu Horvath, embraces key principles of dance, yoga, gymnastics and tai-chi. The method works the entire body using spinal articulations and undulating rhythms integrated with specific breathing patterns. This second level study incorporates the GYROTONIC® apparatus. May be repeated for a total credit of four semester hours. Prerequisite: DAN 3580.

Spanish

SNH 1050. Intermediate Spanish II (3).S.

GEN ED: Liberal Studies Experience

A continuation of SNH 1040. Focus on various aspects of culture, society, literature, traditions, and daily preoccupations with continued development of communicative language skills. Reinforcement, expansion, and synthesis of concepts of language and culture through contact with authentic materials. Prerequisite: SNH 1030 or SNH 1040, or the equivalent. Laboratory work required.

SNH 1060. Accelerated Intermediate Spanish (6).S.

GEN ED: Liberal Studies Experience

Combines SNH 1040 and SNH 1050. Prerequisite: SNH 1020 or SNH 1030, or the equivalent. Class meets daily for a total of 300 minutes per week. Laboratory work required. (*NOTE: Only 3 s.h. of this 6 s.h. course may count for general education credit.)

SNH 3080. Advanced Grammar and Composition (3).F.

GEN ED: Junior Writing in the Discipline (WID)

Intensive study of the various types of expository writing with emphasis on the morphology and idiomatic expressions of Spanish. Prerequisites: SNH 2005 and SNH 2010, or consent of the advisor; and RC 2001 or its equivalent. Required for majors.

SNH 4565. Advanced Spanish Expression (3).F. On Demand.

GEN ED: Capstone Experience

An advanced language course where students will have the opportunity to perfect their mastery of the spoken and written language. Students will explore different writing genres and model their work on the literary and cultural narratives written by experienced Spanish writers, and will be provided with the necessary tools to develop their oral language skills. Prerequisites: senior or graduate standing and SNH 3080, or consent of the instructor. [Dual-listed with SNH 5565.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

Special Education

SPE 3310. Research and Issues in Special Education (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course is designed to explore a variety of current topics in the special education field and to guide students in selecting an area of interest. Students will complete an in-depth study of their area of interest to demonstrate depth of knowledge in a focused area of special education.

SPE 4900. Student Teaching in Special Education (6 OR 12).F;S.

GEN ED: Capstone Experience

Teaching experiences under supervision for one semester for students planning to teach special needs students in grades K-12. Graded on an S/U basis.

Statistics

STT 1805. A Brief Introduction to Statistics (1).S.

GEN ED: Quantitative Literacy

This course is an introduction to statistical thinking. Emphasis is on the development of conceptual understanding rather than on computational drill. Using appropriate computational tools, including computers, is fundamental to the course. The course will cover the statistical method, making and reading graphs, detecting bias, univariate statistics, categorical statistics, linear regression and some basic probability. STT 1805 is not open to students with 4 hours of QL credit. Prerequisite: 3 hours of QL credit.

STT 1810. Basic Statistics (3).F;S.

GEN ED: Quantitative Literacy

An introduction to statistical problem solving. Topics include organization and presentation of data; measures of location, variation, and association; the normal distribution, sampling distributions, and statistical inference. Emphasis will be on conceptual understanding and interpretation of results rather than theoretical development. Statistical software will be utilized in the analysis of data and in the development of statistical and probabilistic concepts. STT 1810 is not open to students with credit for STT 2810, STT 2820, STT 3850, or STT 4811. Prerequisite: MAT 1010 or higher. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

STT 2810. Introduction to Statistics (3).F;S.

GEN ED: Quantitative Literacy

An introduction to statistical problem solving and methodology. Topics include tabulation and graphical representations of univariate and bivariate data; probability, statistical distributions, confidence intervals and hypothesis testing. Emphasis will be on conceptual understanding and interpretation of results rather than theoretical development. Statistical software will be utilized in the analysis of data and in the development of statistical and probabilistic concepts. STT 2810 is not open to students with credit for STT 1810, STT 2820, STT 3850, or STT 4811. Prerequisite: MAT 1010 or higher. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

STT 2820. Reasoning with Statistics (4).F;S.

GEN ED: Quantitative Literacy

An introduction to the design, analysis, and interpretation of statistical studies. Topics include representations for univariate and bivariate data distributions; designed methods for data collection and the role of randomness in statistical studies; probability and statistical distributions; statistical estimation, and statistical significance. Emphasis will be on the development of conceptual understanding and interpretation of results through simulation rather than a theoretical development. Statistical software will be utilized in the analysis of data in the development of statistical and probabilistic concepts. STT 2820 is not open to students with credit for STT 1810, STT 2810, STT 3850, or STT 4811. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

STT 3820. Statistical Methods I (3).F;S.

GEN ED: Quantitative Literacy

A continuation of STT 2810 or STT 2820. A study of parametric and non-parametric statistical methods and inferential procedures. Topics commonly covered include an introduction to methods of data collection such as simulation, surveys and experiments; single-parameter inference for means and proportions; techniques for comparing two distributions; error rates and power; inference for simple linear regression and multiple regression least squares models; introductions to one-way and two-way analysis of variance models; and contingency table analysis. Nonparametric alternatives are presented for many methods in the course when the assumptions for parametric methods are not met. Emphasis is on a non-theoretical development of statistical techniques and on the interpretation of statistical results. Statistical software will be utilized in analysis of data. Prerequisite: STT 2810 or STT 2820 or equivalent. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

STT 3851. Statistical Data Analysis II (3).S.

GEN ED: Junior Writing in the Discipline (WID)

The goal of this course is to provide students with exposure to a variety of statistical procedures in order to develop their ability to understand statistically based research. As the course will focus on proper data analysis, sufficient practice with solving real problems using real data will be required. A variety of standard statistical methodologies will be covered including multiple regression, the analysis of variance, and the analysis of covariance. Additionally, several computationally intensive methods will be explored including, but not limited to, areas such as robust regression, bootstrapping, and permutation tests. Students will be required to complete several data analysis projects that utilize professional editing tools and demonstrate reproducible statistical research. Prerequisites: STT 3850 and RC 2001 or its equivalent.

STT 4821. Design and Analysis of Experiments Capstone (1).On Demand.

GEN ED: Capstone Experience

STT 4821 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in statistics and the relationships of statistics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with STT 4820.

STT 4831. Linear Regression Models Capstone (1).F.

GEN ED: Capstone Experience

STT 4831 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in statistics and the relationships of statistics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with STT 4830.

STT 4841. Regression and Time Series Forecasting Capstone (1).F.

GEN ED: Capstone Experience

STT 4841 satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in statistics and the relationships of statistics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with STT 4840.

STT 4881. Mathematical Statistics Capstone (1).S.

GEN ED: Capstone Experience

This course satisfies the general education capstone requirement for mathematics majors with concentrations other than education. Students will explore current, relevant, or advanced undergraduate topics in statistics and the relationships of statistics with other fields. Oral and written communication skills are emphasized. Graded on an S/U basis. Corequisite: Must be taken concurrently with STT 4880.

Sustainable Development

SD 2400. Principles of Sustainable Development (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

This course is the foundation course for students interested in pursuing a major or a minor in Sustainable Development. The course will introduce students to the concepts and history of "development," the origins of concerns about "sustainability," and the marriage of these two ideas in the contested notion of "sustainable development (SD)." From that basis, the course will then examine the understanding and use of SD principles in and from various disciplinary and multi/interdisciplinary perspectives.

SD 3715. Literature and the Environment (3).F.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "The Human-Animal Bond")

An exploration of literature through the theoretical lens of ecocriticism; students will examine the ways environmental values and practices are expressed in literature. Class readings may be drawn from a particular literary period or national literature, may range across literary periods and national borders, or may be selected thematically. (Same as ENG 3715.)

SD 3800. Classics in Sustainable Development (3).F.

GEN ED: Junior Writing in the Discipline (WID)

An exploration of landmark texts in the field of sustainable development; whole books will be examined in their biographical, socio-historical, and critical contexts in order to deepen knowledge of significant voices in the discourse of sustainability. Prerequisites: RC 2001 or its equivalent, and junior standing or permission of the instructor.

SD 4550. Senior Seminar (3).F;S.

GEN ED: Capstone Experience

Review, synthesis, reflection, and elaboration on aspects of sustainable development. Designed as a final on-campus opportunity for students to synthesize and integrate the theories and practices that inform sustainable development, to test their ideas in conversation, to connect their individual work with the work and ideas of others, and to examine career opportunities related to sustainability. Variable content. Ideally should be taken during the final semester of on-campus study. Required for majors. Prerequisite: Sustainable Development major with senior standing or permission of the instructor.

Technology

TEC 2029. Society and Technology (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Sustainability and Global Resources")

This course is designed to provide students with an understanding of the symbiotic relationship between technology and society. Examples of these relationships will be taken from historical accounts and from analyses of contemporary societies both in industrialized and non-industrialized countries.

TEC 2601. Energy Issues and Technology (3).F;S.

GEN ED: Liberal Studies Experience

This course will explore the various forms of energy and will examine the complete range of energy conversion systems existing in the world today. Students will examine energy resources, their economic and environmental impacts, and technologies used to exploit them. The course consists of three major sections: principles of power and energy, conventional energy resources, and renewable energy resources.

TEC 3638. Foundations of Sustainable Technology (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course will explore through writing current topics in the sustainable technology field. Assignments will involve writing with feedback. Topics for writing assignments may include technical reports, white papers, system documentation, opinion pieces, summaries, literature reviews, experimental methods,

and data analyses. The APA format will be stressed. Prerequisites: TEC 2029 and TEC 2601, or permission of the instructor, and RC 2001 or its equivalent.

TEC 3748. Building Science (3).F;S.

GEN ED: Writing in the Discipline (WID)

This course introduces students to the complex ways in which buildings interact with their environment. Topics may include indoor air quality, building durability, energy efficiency, and client comfort. Students will use building diagnostic equipment to test for house and duct leakage, indoor air quality, humidity, and air flow. The course also emphasizes interpreting and translating these findings into concise summaries as well as comprehensive written reports. Lecture two hours, laboratory two hours. Prerequisites: TEC 1708 and TEC 2718, MAT 1020 or higher, or permission of the instructor. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

TEC 4638. Contemporary Problems in Sustainable Technology (3).F;S.

GEN ED: Capstone Experience

This course is designed to provide students with an overview of contemporary problems facing the Sustainable Technology movement such as affordable and efficient alternative energy systems, small scale production systems, waste management and recycling, bioregional development, community and shelter design and technology transfer methodology. Each student will have the opportunity to explore in-depth a problem of their choosing and will be given guidance in the identification, definition and analysis of their chosen problem. Both library research and prototype or model construction will be required. Lecture two hours, laboratory two hours. Prerequisite: TEC 4608 or permission of the instructor.

TEC 4900. Internship (3–12).F;S.

GEN ED: Capstone Experience

Graded on an S/U basis.

Theatre

THR 2005. Page and Stage (3).F.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "How We Tell Stories")

In this class, students will have the opportunity to learn techniques for analyzing and interpreting written dramatic texts and theatrical performances. They will analyze and interpret plays of different styles from various historical periods, with particular attention to the unique characteristics of drama as a medium for telling stories.

THR 2010. The Theatre Experience (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

In this course, students will analyze forms of theatre from various cultures and historical eras. They will also examine how their own personal, historical, and cultural perspectives affect their responses to artistic performance.

THR 2017. Theatre for Social Change (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course is a practical and seminar class focused on the history and theory behind "theatre for social change" and is grounded in participation, research, analysis, and performance. Students study and apply various theories and methodologies of theatre for social change (image, forum, playback, invisible theatre, etc.) to effect change related to social, economic, cultural, political, and interpersonal issues.

THR 2020. World Culture and Performance Studies (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course applies insights from performance art, theatre, dance and other art forms. Its interdisciplinary approach will allow students to have the opportunities to study the unique role of "performance" in various aspects of our society as well as the world today. The class will explore the concept of performance, and special attention will be paid to issues of multiculturalism and the cultural, political, historical, social, economic and technological contexts of performance studies.

THR 2022. Cultivating Creative Expression Through Theatre (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Cultivating Creative Expression")

The emphasis in this course is on understanding and creating theatre as a springboard for more deeply understanding and developing personal creativity. Students will be immersed in an integrated approach to developing theatre artistry through watching, reading and analyzing plays; engaging in the creative process of playmaking and playwriting; and participating in the collaborative process of theatre production. No prior theatre skills necessary. Lecture and studio lab.

THR 2025. Musical Theatre: A History and Appreciation (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course offers students an opportunity to analyze, study and reflect upon the developmental history of the indigenous American art form of musical theatre through examination of its earliest origins and influences through its emergence as our country's preeminent contribution to world theatre.

THR 2030. Viewing the World Through a Theatrical Lens (3).On Demand.

GEN ED: Fine Arts Designation; Liberal Studies Experience.

Students will study one aspect of theatre (some examples include play texts, other performance texts, design, stage technology, acting, devised performance, improvisational performance, and theatre history.) Once students understand the basic methods used to analyze and/or create that aspect of theatre, they will use those methods to explore implications to the world beyond the discipline of theatre. Course content may vary. Lecture/Studio Combo
Not repeatable for credit.

THR 2300. Acting for Non Majors (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course will introduce basic acting techniques and terms for the interested student not majoring or minoring in theatre. Terms, concepts and the recent historical development of the art form will be examined to provide the student with a context for effective evaluation of acting performances.

THR 2610. Oral Interpretation (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

An introduction to the study of literature through the medium of performance. The student is expected to master techniques of literary selection and analysis and to perform from poetry, prose and dramatic

literature. Exercises and class assignments will be used to help students develop a basic approach to creating performances.

THR 3640. Solo and Group Performance (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "How We Tell Stories")

An introduction to performance studies, using the principles of oral interpretation. The course begins with the training of the body, voice, and sense memory as well as an introduction to dramatic analysis. The second part of the course uses these performance instruments for solo rehearsal and presentation of student selected literary texts: description, narrative, drama and poetry. The course concludes with ensemble performances of literary texts.

THR 3730. Early Theatre History and Literature (3).F.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course explores the history, literature, and criticism of the theatre from prehistory up to the Early Modern period. The course will focus predominantly on European theatre, but will also include studies of some Asian forms.

THR 3735. Modern Theatre History and Literature (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the history, literature, and criticism of the theatre in the modern period through the present. The course will focus predominantly on American and European theatre, but will also include some African, South American, and Asian theatre. Prerequisites: THR 2005, THR 3730, and RC 2001 or its equivalent.

THR 4840. Capstone (3).F.

GEN ED: Capstone Experience

The capstone offers theatre students an opportunity to synthesize prior academic coursework, research, and practical problem solving in all major areas of theatre study. This capstone represents the culmination of the student's academic education and serves as a bridge to professional and educational theatre, graduate study and other job opportunities. Prerequisites: THR 3735 or permission of the instructor.

University College

UCO 1200. First Year Seminar (3).F;S.

GEN ED: First Year Seminar

The First Year Seminar (UCO 1200) provides students with an introduction to the four goals of a liberal education at Appalachian State University. Specifically, students will practice (1) thinking critically and creatively and (2) communicating effectively. In addition, students will be introduced to the learning goals of (3) making local-to-global connections and (4) understanding responsibilities of community membership.

While each First Year Seminar course engages a unique topic examined from multiple perspectives, each course also introduces students to a common set of transferable skills. As such, First Year Seminar facilitates student engagement with: fellow students, the university, the community, and the common reading; essential college-level research and information literacy skills; and the habits of rigorous study, intellectual growth, and lifelong learning.

Note: UCO 1200 or an equivalent "First Year Seminar" course (such as HON 1515, Freshman Honors Seminar, or WRC 1103, Investigations: Local) is required of all first-year students completing General Education requirements. It is also required of all transfer students with fewer than 30 semester hours of transferable work or who graduated from high school less than one year before their matriculation date. Transfer students with 30-59 semester hours of transferable work are eligible to enroll, but it is not required. Students with 60 or more earned hours are not eligible to enroll without permission from the Office of General Education.

Watauga Residential College

WRC 1010. Introduction to Mathematics for WRC (4).F;S.

GEN ED: Quantitative Literacy

A course in mathematical problem solving for students who are not required to take calculus. Emphasis is on the development of students' quantitative literacy and number sense rather than computational drill. Computational tools such as spreadsheets will be used to solve a variety of real world problems. All sections cover basic consumer statistics and probability, with additional topics drawn from a variety of fields such as art, music, finance, physical or biological science, geometry, cryptology, measurement, and election theory. Not open to students who are enrolled in or have credit for MAT 1010, MAT 1020, MAT 1030, or MAT 1110. Students may not receive credit for both WRC 1010 and MAT 1010 or MAT 1020. Prerequisite: passing the math placement test or MAT 0010.

WRC 1103. Investigations: Local (6).F. Priority enrollment given to Watauga Residential College students.

GEN ED: First Year Seminar and First Year Writing

An experiential, interdisciplinary study in the humanities and social sciences of significant local issues (historical, economic, social, cultural, ideological, aesthetic) and their relationships with regional, national, and global issues.

WRC 1104. Investigations: Global (6).S. Priority enrollment given to Watauga Residential College students.

GEN ED: Liberal Studies Experience

An experiential, interdisciplinary study in the humanities and social sciences of significant global issues (historical, economic, social, cultural, ideological, aesthetic) and their relationships with local, regional, and national issues.

WRC 2001. 28607: Days in the Life (3).F;S.

GEN ED: Second Year Writing

This course introduces students to writing across the curriculum. Students write in different genres for different academic communities, read a variety of academic texts rhetorically, and analyze the writing conventions of various academic communities. Prerequisites: completion of 30 semester hours of credit including WRC 1103; OR, completion of 30 semester hours of credit including RC 1000 and either UCO 1200 or HON 1515.

WRC 2030. The Art of Capoeira, a Brazilian Martial Art: Culture and Practice (3). F.

GEN ED: Liberal Studies Experience

A cultural immersion course introducing the art of capoeira, a Brazilian martial art, through practice, readings and lectures. (Same as LLC 2030.)

WRC 2100. The Lives of Animals (3).S.

GEN ED: Integrative Learning Experience (Theme: "The Human-Animal Bond")

An interdisciplinary introduction to the intersection of the lives and communities of human and non-human animals, including animals for food, animals in the wild, and animals as human companions. Special focus is on ethical questions and dimensions of these intersections and relationships.

WRC 2201. Hearing Voices: Inquiry in Literature (3).F.

GEN ED: Literary Studies Designation; Integrative Learning Experience (Theme: "Experiencing Inquiry: How to Ask Questions")

A study of how literary inquiry is conducted. What is literature? For whom is literature created? How do different types of literature (poetry, essays, novels, etc.) impact our daily lives? Students will participate in experiential learning exercises and will present their findings in undergraduate research symposiums. Course topics will vary.

WRC 2202. What If? Asking Historical Questions (3).S.

GEN ED: Historical Studies Designation; Integrative Learning Experience (Theme: "Experiencing Inquiry: How to Ask Questions")

A study of how historical inquiry is conducted. What does it mean for a fact to be judged either historical, or historically accurate? What is the role of narrative in the construction of history? How is historical evidence produced, judged, and curated? Students will participate in experiential learning exercises and present their findings in undergraduate research symposiums. Course topics of study will vary.

WRC 2204. Contemplative Leadership and Personal Transformation (3).F.

GEN ED: Liberal Studies Experience

An exploration of contemplative theory, practice, and leadership. Students will examine and participate in basic mindfulness training and meditation practices. Using phenomenological research methods and introspection, students will reflect on personal transformation required for successful leadership. Selected readings and research address the philosophies, practices, cultural influences, critical theory, and leadership attributes of historical and contemporary contemplative leaders.

WRC 2302. Freudian Dreams and Cultural Analysis (3).S.

GEN ED: Liberal Studies Experience

This course will introduce Freud's theories through his own writings, including his classic, *The Interpretation of Dreams*, and will explore the ways in which psychoanalysis helps illuminate and explain art, literature, film, and culture. (Same as IDS 2302.)

WRC 2400. Masterpieces of Latin American Art (3).F.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Las Americas")

This course introduces students to Latin America through classics in fine art and literature as well as artesanías (cultural arts) such as weavings, carvings, masks, and confection arts. Students develop an appreciation for the rich cultural legacies through experiential learning, text, digital media, and film culminating in a final investigative project.

WRC 2401. Disciplined Cultural Practice (3).F;S.

GEN ED: Liberal Studies Experience

This course examines the discipline and theory of somatic practices and their cultural forms. The history, cultural, and artistic development of a particular martial art or somatic modality will be examined.

Components of music, movement, song, traditions, rituals, and the art of mind-body connection, as well as individual practitioners, authors, and theorists of the specific modality will be studied. Students will be required to conduct daily, disciplined practice in the subject of the course and demonstrate improvement in the exercise of a somatic practice. Each section will concentrate on a single practice, including but not limited to: Capoeira, Yoga, or Tai-Chi. May be repeated two times for credit when content does not duplicate.

WRC 2403. The Practice of Poetry (3).F.

GEN ED: Literary Studies Designation; Liberal Studies Experience

This course will introduce students to the basics of poetry writing. An important component of the course will be careful readings and analyses of the poems in our text and other poems provided through public domain and other venues. Approximately half of class time will be spent workshopping student poems and students will also engage in in-class writing assignments. The class will also provide students with an overall historical context for poetry: its scope; trends; its development, especially during the 20th Century; its “schools” and leading practitioners; and various “kinds” of poetry, including formalism and free verse.

WRC 3000. Interrogating Popular Culture (3).S.

GEN ED: Social Sciences Designation; Integrative Learning Experience: Experiencing Inquiry: How to Ask Questions

An exploration of various social science methods (including textual content analysis, cross-cultural comparison, interview and participant observation) for understanding the deeper meaning and social significance of globally diverse products of popular culture. Students will explore a variety of social science concepts derived from anthropology, sociology, folkloristics, gender and ethnic studies, feminism, and deconstruction, while gaining media awareness and research skills.

WRC 3203. Why Art? Ways of Responding to the World Around Us (3).F.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Experiencing Inquiry: How to Ask Questions")

An interdisciplinary exploration of creative responses to the natural world and constructed environments. Artistic forms studied may include visual art, dance, drama, poetry, music, puppetry, or film.

WRC 3210 Poverty: Theory and Practice (3).S.

GEN ED: Liberal Studies Experience

This course introduces students to the theories and history of poverty, with an emphasis on learning the historical and social contexts of poverty through experiential or service-learning. (Same as HIS 3210.)

WRC 3401. Myth and Meaning (3).F.

GEN ED: Literary Studies Designation; Liberal Studies Experience

A study of the meaning and experience of myth from ancient to modern times; students will examine definitions of myth, their structures and applications, and themes and implications. Special attention is paid to myths of creation, myth and dreams, and questions of meaning based on how we understand myths.

WRC 3402. The Art of Work (3).S.

GEN ED: Liberal Studies Experience

A study of nonfiction prose centered around issues of how Americans construe and value work and manual labor. Students will read, discuss, write about, and conduct primary and secondary research related to local artisans and workers.

WRC 3403. A Walk in Beauty (3).S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

A study of the art, philosophy, history, and geography of a culture through immersion. The course incorporates conceptual, experiential, and service-learning structures. A field experience accompanies this course. May be repeated two times for credit when content does not duplicate.

WRC 3665: Black Mountain College (3). F.

GEN ED: Literary Studies Designation; Liberal Studies Experience

This writing intensive course will examine the phenomenon of Black Mountain College: an experimental academic adventure launched in the rural Swannanoa Valley of the North Carolina Mountains. Students will explore the history of BMC, study the writers who lived, taught, and visited the college, and examine the continuing influence of BMC. Students will also consider what it means to be in control of their own learning.