

AMST 100. The American Experiment (3-3-0) AIWT*Fall and Spring.*

An introduction to the discipline of American Studies. Students will examine the ways in which America was, and is, an experiment in democratic life. This course critically examines the intellectual and cultural foundations of American life as well as the formation of American identities and competing ideals. Student will explore the extent to which America has been shaped by issues such as unity, equality, liberty, individualism, civic engagement, and democratic values.

BIOL 113. Topics in Medicine and Health (3-3-0) AINW*Fall and Spring.*

Through a biomedical topic, this Area of Inquiry course will examine the process of science, history of science, and how science affects contemporary thought and society. The particular topics covered will vary each semester. Not for Biology or Environmental Science majors.

BIOL 115. Topics in Ecology and the Environment (3-3-0) AINW*Fall and Spring.*

Through an ecological topic, this Area of Inquiry course will examine the process of science, history of science, and how science affects contemporary thought and society. The particular topics covered will vary each semester. Not for Biology or Environmental Science majors.

BIOL 151. General Zoology (3-3-0)*Fall and Spring.*

This course with BIOL 152/152L forms the first half of the four-semester introductory biology sequence for majors. It provides students with a general body of information about members of the animal kingdom and other animal-like organisms. Topics covered include general principles of animal biology, animal diversity and animal anatomy and physiology.

BIOL 152. General Botany (3-3-0)*Fall and Spring.*

This course with BIOL 151/151L forms the first half of the four-semester introductory biology sequence for majors. It provides students with a basic understanding of plants, algae, fungi and bacteria. Topics covered include morphology and anatomy of plants, algae, fungi and bacteria; basic plant physiology and taxonomy; evolutionary history of plants.

CHEM 121. General Chemistry I (3-3-0) AINW*Fall and Spring.*

Fundamental principles of chemistry. Strong algebra skills recommended.

CPSC 125. Foundations of Computer Science (3-3-0) AIIF*Prerequisite: High school algebra or one semester of college-level mathematics.**Fall and Spring.*

The function and architecture of computer hardware. Data and instruction representation. Networks, operating systems and their functions. Algorithms, programming languages and software engineering. Artificial intelligence, theory of computation and applications. This course includes a hands-on component.

ECON 201. Principles of Macro Economics (3-3-0) AIII*Fall and Spring.*

An introduction to the analytical tools commonly employed by economists in determining the aggregate level of economic activity and the composition of output, prices and the distribution of income. Problems related to these subjects are considered, and alternative courses of public policy are evaluated.

ENGL 123. First-Year Writing Seminar (3-3-0)*Fall, Spring, Summer.*

The First-Year Writing Seminar introduces students to the conventions of reading and writing appropriate for liberal arts learning, in particular the ability to analyze and produce sophisticated arguments that position their views within ongoing social and cultural questions. Individually and collectively, students will read and discuss challenging texts, evaluating argumentative styles, conclusions and evidence. They will also write essays that they will revise to reflect deeper critical thought, an effective prose style, an ability to evaluate outside research to complement their writing and consideration of an audience's expectations. The course offers students frequent written and oral feedback on their writing. It also prepares students for the Second-Year Writing Seminar by providing guidance for students to incorporate multiple print and electronic resources into their writing. *Students must earn a C- or higher to satisfy University degree requirements.*

GOVT 101. Power and Politics in America (3-3-0) AIII

Fall, Spring and Summer.

An introduction to the dynamics of the American political system. The course focuses on political institutions such as the presidency, Congress, the judiciary, bureaucracy, elections, political parties and interest groups. The course emphasizes critical thinking about politics, governmental institutions and power in the United States.

HIST 111. Ancient and Medieval World (3-3-0) AIGM

Fall, Spring and Summer.

A survey of world history centering on institutions, values and cultural forms from prehistoric time through the mid-16th century.

HIST 112. History of World Civilizations since the mid-16th Century (3-3-0) AIGM

Fall, Spring and Summer.

A survey of world history centering on institutions, values and cultural forms from the mid-16th century to the present.

HIST 121. Early America to the Civil War (3-3-0) AIWT

Fall, Spring and Summer.

A survey of the historical development of the United States from early colonial times through the Civil War including social, cultural, economic, intellectual and political movements through these years of earlier growth.

MATH 125. Elementary Statistics (3-3-0)

Prerequisite: through Algebra II in high school or permission of instructor.

Fall and Spring.

This course is a general survey of descriptive and inferential statistics. Topics include descriptive analysis of univariate and bivariate data, probability, standard distributions, sampling, estimation, hypothesis testing and linear regression.

MATH 135. Calculus for Business and Social Sciences (3-3-0)

Prerequisite: Algebra II in high school or MATH 110.

Fall and Spring.

An introduction to the calculus of functions arising in business and the social sciences. Exponential and logarithmic functions, differentiation and integration. Modeling and applications will be stressed.

MUSC 141. Critical Listening for Music Majors (2-1-2)

Prerequisite: Music Major.

Corequisite: MUSC 211.

Fall and Spring.

This course introduces first year music majors to an appreciation of music literature through listening. A few selected works by masters in the classical tradition are studied in depth as an introduction to the study of music. The course is composer based. Works by four specific composers are studied chronologically: Bach, Beethoven, Verdi and Stravinski. MUSC 141 is required for all first-year music majors.

MUSC 211. The Tonal System (3-3-0)

Prerequisite: Music Major, Minor, or consent of instructor.

Corequisite: MUSC 209.

Fall.

This course examines the underlying principles and classifications of tonal music. Topics include scales, keys, intervals, triads, seventh chords, and an introduction to part-writing. Required for all music majors and minors.

PHIL 101. Critical Thinking I (3-3-0) AIIF

Fall, Spring and Summer.

Designed to impart the basic skills of logical reasoning in natural languages: analyzing statements for consistency, implications, contradictions; distinguishing fact from opinion and evaluating testimony; distinguishing inference and argument from other discourse; analyzing and evaluating arguments using arrow diagrams; addressing vagueness and ambiguity by a more precise rendering of language.

PHYS 151-152. Intermediate Physics (3-3-0) AINW

Prerequisite Courses: high school Algebra and Trigonometry or consent of instructor for PHYS151.

Fall and Spring

A presentation of the major concepts of physics, using algebra and trigonometry. For science students (but not for engineering, physics, or mathematics students). Topics covered include mechanics, thermodynamics, waves, electromagnetism, optics and modern physics.

PHYS 201-202. General Physics (3-3-0) AINW

Prerequisite: high school math or consent of instructor. Prerequisite or Corequisite: MATH 140 for PHYS 201, MATH 240 for PHYS 202.

Fall and Spring.

A presentation of the major concepts of physics from a contemporary point of view, using algebra, trigonometry, calculus and computers. For students in the physical and life sciences, mathematics, or engineering. Topics covered include mechanics, heat, sound, electromagnetism, optics and modern physics.

PSYC 201. Investigating the Biological Bases of Behavior and Cognition (3-3-0) AINW

This course covers basic principles of scientific psychology, including coverage of history and systems of psychology (the historical development and progression of scientific theories in psychology), the scientific method and research methods. Additionally, this course includes coverage of biological bases of behavior (brain and nervous system structure, function and effects on individual behavior and mental processes), sensation and perception (anatomy and function of sensory systems such as the visual system), learning and memory, intelligence, cognition, motivation and emotion. Each of these topics will be discussed with respect to the application of the scientific method to the study of each topic and research findings relevant to contemporary understanding of human behavior and mental processes.

SPAN 200. Effective Communication in Spanish (3-3-0)

Recommended prerequisite: SPAN 102, or 3 years of high school Spanish, or consent of instructor.

This course focuses on practical work in the four basic skills (speaking, listening, reading and writing) of foreign language competency. It will review and build on students' prior knowledge with the goal of developing their functional and communicative abilities. Readings, videos and other media will broaden students' knowledge of Spanish-speaking cultures and strengthen their command of the language.

THEA 210. The Modern Dramatic Impulse (3-3-0) AICE

What distinguishes the drama from all other genres of imaginative writing? What prompts a culture to animate stories through actors, dialogue and spectacle? In its long evolution the drama has provided a stage for religious celebration, civic debate, social propaganda, moral persuasion and artistic storytelling in a rich range of styles. It is through the performance of these texts that the art of theater is experienced in all its many glories. THEA 210 concentrates on the influence of western drama in the 20th century, and examines the popular emergence of non-western theatrical voices. Through close reading of representative plays including: Ibsen, Chekhov, O'Neil, Williams, Miller, Beckett, Ionesco and Mamet, students will develop and practice skills in critical reading, thinking and writing. This class is strongly recommended for the non-major and required for Theater majors. THEA 210 focuses on the study of dramatic texts in the context of their intended venue: performance.

ULLC 100: Artistry on Ice: The Glitzy Sport of Figure Skating (3-3-0)

This course explores figure skating from its roots in mythology to the present time, identifying events that have affected its history. Technical aspects are discussed. From flamboyant figures skated in the eighteenth century to complex competitive programs of today, elite skaters have displayed their artistry, but skating has been a recreational activity for centuries. Exploration into dramatic changes as figure skating evolved from a purely recreational activity to a competitive sport, amateur and professional, and to entertainment in shows and cinema provides the basis for discovery as an important question is posed: What does the future hold?

ULLC 100: DNA: Unwinding the Double Helix (3-3-0)

This seminar explores the events surrounding the discovery, by Watson and Crick, of the double helical structure of DNA. This isn't just an interesting story for a biologist; it contains all the dramatic elements necessary to intrigue even a science-phobe: deceit, secrecy, backstabbing, arrogance, and bigotry. This fascinating story proves that science is not for sissies!

ULLC 100: Good vs. Evil: Ethics, Crime and Criminal Justice (3-3-0)

Through the lens of our justice system, students in this course will review concepts put forward by classical philosophers and connect these theories to our modern lives. This First-Year Seminar will review moral and ethical questions in the field of criminal justice and relate these issues to the dilemmas faced by college students in their day-to-day decisions.

ULLC 100: The Psychology of Pseudoscientific Thinking: Understanding Why People Believe in Weird Things (3-3-0)

Alien abductions, monster sightings, faith-healing, channeling the dead, and recovered memories are the subjects of countless books, magazine articles, movies, and television shows. Not surprisingly, recent surveys reveal sharp increases in paranormal beliefs over the past 20 years among people in the general public. Throughout the course, we will examine many paranormal phenomena and pseudoscientific claims, such as near-death experiences, homeopathy, psychic readings, hypnosis, and ghosts.

ULLC 100: The European Union (3-3-0)

This course will take an intuitive approach in explaining the Post World War II economic, political, and social developments of the European continent. Particularly we will focus on all the events that led to the formation of the EU, using books, articles, and media for information. Furthermore, the seminar will explore the importance of the EU and its competencies in various areas where it has been delegated powers over the member states. Students will be required to engage in in-class discussions, read and comment on assigned books and theme-related articles, and write a term research paper that focuses on the perspective of their choice regarding this topic.

ULLC 100: The Secret Lives of Scientists (3-3-0)

This multidisciplinary course critically examines the lives of twelve scientists through seven dramatic works, which illuminates the complexity of their lives, work, creations and primary relationships. Many of these dramatic works pose profound questions regarding each scientist's contribution and the consequences of their scientific discoveries and their lasting effect on society. The class will read "Galileo", "Great Men of Science Nos. 21 and 22", "Oxygen", "God and Stephen Hawking", "Copenhagen", "Breaking the Code", "QED" and "Proof". Although most of these dramatic works focus on the contribution of men, this course will endeavor to bring to light the often ignored and essential contribution of female scientists and collaborators in the history of scientific exploration and discovery. This course is designed to awaken students' intellectual curiosity and reveal the interconnectedness between the sciences and mathematics and the arts and humanities within the framework of a good story.

ULLC: First Year Seminar for Leadership Students (3-3-0)

Restricted to first year students.

Fall.

This section of first year seminar invites you to explore the vast terrains of history, psychology, sociology, and leadership as you search for connections to the past, define the present, and create the future. Through the reading of real and imaginary journeys of exploration and discovery, as well as perspectives from multiple disciplines, you will experience the joys and hardships of the quest for the unknown as you embark on your own hunt for the greatest treasure of all - yourself as an individual and as a citizen of the world.