

BIOL 107. General Biology I (3-3-0) INW

Fall and Spring.

First semester of introductory biology sequence for non-majors; major topics covered are ecology, genetics, evolution, and diversity. 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) INW

Fall and Spring.

Fundamental principles of chemistry. Strong algebra skills recommended.

CPSC 125. Foundations of Computer Science (3-3-0) FIR

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) IIS

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) IIS

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) GMP

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) GMP

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) WST

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.

LDSP 210. Study in Self Leadership (3-3-0)

Restricted to first year students.

Fall.

This interactive course introduces students to the role of self in the leadership process. Through academic study, summer leadership adventure, personal assessment, in-class activities, and assignments, students will gain an understanding of how personal development impacts leadership capabilities and the importance of self-understanding to effective leadership. *Required for the President's Leadership Program.*

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 209. Elementary Ear Training (1-0-3)

Prerequisite: Music Major or consent of instructor.

Corequisite: MUSC 211 or consent of instructor.

Fall and Spring.

Music 209 includes the study of melodic and harmonic intervals, pitch patterns, chord inversion, seventh chords, bass line dictation, rhythmic dictation, two-part dictation, outer voices dictation, and error detection. Sight singing/keyboard exams include scales, pitch patterns, melodies and rhythms, keyboard progressions, and sight singing. Required for all 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) FIR

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 141. How Things Work (3-3-0) INW

Prerequisite: high-school Algebra.

Fall and Spring.

Designed for non-science majors. Physical concepts including mechanics, heat, sound, electromagnetism and nuclear physics are studied in the context of everyday phenomena. Investigation begins with whole objects and looks inside them to see what makes them work. Because it concentrates on concepts rather than math, and on familiar objects rather than abstract constructs, this course offers students with many different learning styles substantial insights into our modern world.

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

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) INW

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) INW

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.

ULLC 100: Discovering Tolkien's Middle Earth (3-3-0)

An exploration of Tolkien's three great works of fantasy, in which he created the imaginary world of Middle-earth, will help students learn to understand *The Hobbit* and *The Lord of the Rings* at the level of plot, character, setting, and idea; appreciate the astonishingly complex world in which Tolkien's novels unfold; think critically and write clearly about Tolkien's themes, with special emphasis on their contemporary relevance; understand how Tolkien's fiction is informed by many literary and linguistic traditions, as well as by philosophical, psychological, sociological, and political issues that reverberate through the entire liberal arts curriculum.

ULLC 100: Space Trek: The Epic Journey (3-3-0)

This course examines the exploration, discovery, risk and benefit of the massive endeavor to better understand our earth, solar system, and cosmos. Contributions of Tidewater area to this effort will be emphasized.

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: Good Laws, Bad Ethics and Ugly Consumers (3-3-0)

This First-Year Seminar is designed to intrigue and challenge students to examine their own futures as business leaders. Music, film and readings will be used to explore global business practices, the laws that affect consumers and the meaning of "business ethics." Using creative media, students will become engaged in understanding good, bad and ugly business practices. International and U.S. laws, landmark court decisions and the ethics of specific business practices will help determine how laws and ethics affect consumer behavior.