

CSR SCIENCE SELECTIVES

Course Number and Title	Course Description
ANTH 203, Biological Basis of Human Social Behavior	This course is an introduction to human social behavior from the perspective of biological anthropology, with special emphasis on human evolution and non-human primates. Topics include aggression, communication, learning, maturation, sexuality, and the evolution of social systems.
ANTH 204, Introduction to Human Evolution	An outline of human evolution. Relates changing human physical characteristics with evolving social and cultural adaptations. The relationships of humans to other primates are explored within an evolutionary framework. Documents transformation of human culture over the last two million years.
ASTR 263, Descriptive Astronomy: The Solar System	A descriptive, nonmathematical course in astronomy intended for non-physics majors. Topics include: description of the sky; historical development of astronomy; motion of the sun and the moon; solar and lunar eclipses; the seasons and the calendar; the sun and the planetary system; comets, meteoroids, and asteroids. Includes required observing sessions. Not available to students with credit in ASTR 363.
ASTR 264, Descriptive Astronomy: The Stars and Galaxies	A descriptive, nonmathematical course in astronomy intended for non-physics majors. Topics include: properties of stars; stellar birth and death; the Hertzsprung-Russel diagram; main sequence stars; binary systems; stellar clusters; red giants and white dwarfs, nova and supernova; neutron stars and black holes; galaxies and the cosmological red shift. Includes required observing sessions. Not available to students with credit in ASTR 364.
BCHM 100, Introduction to Biochemistry	A survey of modern biochemistry using descriptions of contemporary experiments to illustrate the general theories and unifying concepts. This course is open to all students and does not require any college science courses as background or prerequisite.
BIOL _____, Any undergraduate Biology course	
BTNY 201, Plants and Civilization	This course, intended primarily for non-majors, covers the history of agriculture, with focus on the centers of origin of our major food, fiber, and medicinal plants, and their historical, cultural, and economic relevance. The course also surveys the biology of crop plants, with respect to taxonomy, anatomy, cell structure, physiology, development, and genetics. Discussions also center on the roles plant biotechnology may play in sustainable agriculture and in helping to alleviate problems caused by overpopulation and ecological stress.
BTNY 207, The Microbial World: Food, Agriculture, and History	The overall goal of this course is to engender an appreciation of microorganisms through discussions of their role in food production, agriculture, and history. We will consider events, foods, processes, anecdotes, origins, and our own experiences and discuss how microbes affect human endeavors. Concepts relevant to the biology of microorganisms will be emphasized. Classroom demonstrations and visual aids will be an integral part of the course. This course has been designed as an introductory, general interest class on the biology of microorganisms.
CHM _____, Any undergraduate Chemistry course	

CSR Science Selectives for Natural Sciences Competency Area (continued)

Course Number and Title	Course Description
EAS _____, Any undergraduate EAS course	
ENTM 105, Insects: Friend or Foe	A one-semester course for nonscience students who want to know more about insects - the most numerous organisms on earth. An introduction to insects and their relationship with humankind, including interesting aspects of insect biology; insects in music, decoration, history; use of insects in teaching at the elementary school level; their use in art, photography, and drawing; insects as human food.
ENTM 206, General Applied Entomology	A general course on insect structure, function, biology, ecology and population management. Coordinated with the ENTM 207 laboratory as an introductory course in entomology.
ENTM 207, General Applied ENTM Lab	Laboratory exercises parallel topics presented in ENTM 206. Insect structures and function are studied as a basis for learning to identify insects and other arthropods.
ENTM 218/HSCI 218, Intro to Forensic Science	Introduction to forensic investigation. Includes crime scene techniques, firearms, arson and explosives, entomology, blood spatter, blood chemistry, pathology, toxicology, anthropology, soils, botany, trace evidence, computer crime, behavioral analysis, courtroom activities and new trends in forensic investigations. The course features guest speakers with professional duties in forensics. Cross listed with HSCI 218.
F&N 303, Essentials of Nutrition	Basic nutrition and its application in meeting nutritional needs of all ages. Credit not given for both F&N 303 and F&N 315.
FNR 103, Intro to Environmental Conservation	Introduction to ecological principles, history of conservation, natural resource management, human impacts on the environment, and environmental ethics. For all students interested in an introductory natural resource or environmental science elective.
FNR 230, The World's Forests and Society	Examination of structure, function, and environmental and cultural significance of forest ecosystems throughout the world.
FNR 240, Wildlife in America	History of the occurrence, exploitation, and management of North America's wildlife resources. Life histories, habitat relationships, and human impacts on selected species. Current conservation practices and future prospects.
HORT 101, Fundamentals of Horticulture	Biology and technology involved in the production, storage, processing, and marketing of horticultural plants and products. Laboratories include experiments demonstrating both the theoretical and practical aspects of horticultural plant growth and development. Requires class trips. Students will pay individual lodging or meal expenses when necessary.
MA _____ (Math higher level than the math that is required for the major)	
PHYS _____, Any undergraduate Physics course	

Effective February 2008