*For course description, see under Geology.
**Substitutions may be made with departmental approval.

For additional information contact:
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GEOG 0101  (Demand)  3 hrs. cr.
Introduction to Geography
An introduction to geography, with the goal of increasing geographic literacy
and recognizing the importance of geography in everyday life. This course
introduces students to the discipline, its basic principles and major concepts,
tools, techniques and methodological approaches. It traces the development
of modern geography and surveys its physical and human sub-disciplines.

GEOG 0211  (Demand)  3 hrs. cr.
Regions and Nations
Survey of the peoples of the earth and how their activities are influenced by
climate, topography, natural resources and culture with class time devoted to
discussion of important topical areas in each region.

GEOG 0298  (Demand)  3 hrs. cr.
Topics in Geography
Special geography topics of current interest. Subjects and instructors are
changed each semester. Students are encouraged to submit areas of interest
to the Social Science Department.

GEOG 0302  (Demand)  3 hrs. cr.
People and the Environment: A Global Perspective
An examination of social causes and consequences of environmental prob-
lems in different regions of the world with an emphasis on philosophical per-
spectives and practical solutions to such problems. Prerequisites: students
must have completed general education requirements in life and physical
sciences. Cross-listed as INTS 302.

GEOG 0304  (F-Demand)  3 hrs. cr.
Geographic Information Systems
Explores the expanding use of Geographic Information Systems (GIS) in
ecology, environmental health and related fields. Satisfies the computer lit-
eracy requirement for environmental health majors. Prerequisite: BIO 101 or
112 or 121 or 122. Cross listed as BIO 304 and EH 304.

GEOG 0310  (Demand)  3 hrs. cr.
Human and Cultural Geography  (Writing Intensive)
This course focuses on spatial approaches to understanding the ongoing
organization and reorganization of human cultural, economic, political and
urban activities at various spatial scales, such as the local context, regional
context and the international context. Prerequisite: Junior standing or con-
sent of instructor.

Course Descriptions

GEOL 0120  (F-Odd)  4 hrs. cr.
Introduction to Geology
Materials of the earth, structures and geologic features of the surface in rela-
tion to the processes and forces producing them. Laboratory study of miner-
als and rocks and topographic and geologic maps. Additional one-day field
trips may be required. Three lectures, one 3-hour lab per week.

GEOL 0185  (S-Even)  4 hrs. cr.
Introduction to Meteorology
Fundamentals of the circulation of the atmosphere, sequence of weather
events, weather forecasting, and severe weather. Includes interpretation of
weather maps. Three lectures and one 2-hour laboratory per week. Prereq-
isite: qualified to take the core math requirement, Math 125 recommended.
106 GEOLGY

GEOL 0201 (F-Even)  3 hrs. cr.
Physical Geography
Study of the physical or natural aspects of man’s environment, with emphasis on land form development, oceanographic features and climate. Students may not receive credit for both GEOL 120 and GEOL 201.

GEOL 0202 (Demand)  1 hr. cr.
Map and Photo Interpretation
An introduction to the interpretation of topographic maps, aerial photos and satellite images. One 3-hour laboratory per week. Designed to compliment GEOL 201. Prerequisite: GEOL 201 or equivalent, may be taken concurrently. Students may not receive credit for both GEOL 120 and GEOL 202.

GEOL 0210 (F,S-Odd)  3 hrs. cr.
Fundamentals of Earth and Space Science
Materials of the earth, geologic features and landscapes of the earth’s surface in relation to the processes producing them; interrelationships between geologic processes and the earth’s atmosphere and oceans; geologic description of the solar system; basic concepts in astronomy and meteorology. Prerequisite: PHYS 100 or 101 or consent of instructor. Three lectures per week.

GEOL 0212 (F,S-Odd)  1 hr. cr.
Earth & Space Science Lab
Laboratory study of rocks and minerals, landscapes features as revealed in maps and stereo photos, weather maps and data, astronomical observations and earth-sun-solar system interrelationships. One-day field trips and some night-time astronomical observations are required. This course is designed primarily for students specializing in elementary education. Co-requisite: GEOL 210 must be taken concurrently. One 3-hour lab per week. (Additional lab fee will be required.)

GEOL 0298 (Demand)  1-3 hrs. cr.
Topics in Geology
Special Topics in geology not normally offered in other courses. Prerequisites to be determined by department.

GEOL 0300 (S-Odd)  3 hrs. cr.
Environmental Geology
An introduction to our relationship to the earth’s environment. The limitations of natural resources and discussion of consequences of the exploitation of natural resources are considered along with the demands of humanity upon the environment. Overview of natural environmental hazards, including volcanoes, earthquakes, subsidence landslides, floods and asteroid impacts. Prerequisite: Five credits in physical science, physics and/or chemistry. Cross listed as EH 300.

GEOL 0320 (Demand)  4 hrs. cr.
Historical Geology
A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three lectures, one 2-hour lab per week. Prerequisites: GEOL 120 and either BIO 101 or higher level Biology course.

GEOL 0430 (Demand)  1-3 hrs. cr.
Internship in Geology
In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied geology in which on-the-job experience would be beneficial to the student’s training. Prerequisites, Junior standing in chemistry, physics, biology or pre-engineering or by permission.

GEOL 0498 (Demand)  1-3 hrs. cr.
Advanced Topics in Geology
In depth study of the geology of a particular region or system of regions through classroom sessions and/or field trips. Extended field trips will require a special lab fee and, in some cases, special physical conditioning or training. The region or area of interest varies from year to year. Prerequisites: GEOL 320 and/or consent of the instructor.

Faculty  Locher - Head, Tannenbaum, Teverow, Wagner, Wheeler

Mission
Preparing students for dynamic leadership and responsible citizenship is the mission of the Department of Social Sciences. The department provides students with the opportunity to cultivate critical thinking, communication and technological skills that will continue to be of value in the complex world of the 21st century. The faculty offers substantive instruction and intellectual challenges within the Social Sciences. The department emphasizes opportunities to engage in the international world in support of the University’s international mission. Finally, the Department of Social Sciences builds bridges to the local community through academic internships, public events, partnerships with local institutions and sponsorship of academic programs and events for students and teachers at local schools.

A Bachelor of Arts degree with a major in History prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A Bachelor of Science in Education with a major in Social Studies - History emphasis certifies a student to enter professional teaching at the secondary school level. A minor in History is available for students majoring in other disciplines.

General Education Requirements and Missouri statute requirements are met by HIST 110 or HIST 120. HIST 130 and HIST 140 meet the General Education requirement in Area I, International Cultural Studies.

HIST 130 or 140 is a prerequisite for all Upper Division European courses. HIST 150 is a prerequisite for all Upper Division Asian History courses. HIST 160 is a prerequisite for all Upper Division Latin American History courses.

Student Organizations
The History Club is open to all students who are interested in history. The club provides an informal setting for students to pursue their interests in history and sponsors a wide variety of activities each semester.

Pi Alpha Theta is the national honor society in history. Pi Alpha Theta recognizes academic excellence in the field and encourages its members to participate in the activities of its national organization. Locally, Pi Alpha Theta members share many activities with the History Club.