GEOGRAPHY (GEOG)

GEOG-1000 Introduction to Geography
3 Credits
Introduction and description of the four traditions of geography: earth science, cultural-environmental, location, and regional geography.
Lecture: 3 hours
Prerequisite(s): None.
OAN Approved: OSS007

GEOG-1010 World Regional Geography
3 Credits
Study of present issues and future prospects of developed and developing countries. Emphasis on economic activities determined by physical environment, social and cultural characteristics, and political stability.
Lecture: 3 hours
Prerequisite(s): None.
OAN Approved: TMSBS and OSS008.

GEOG-1030 Environmental Geography
3 Credits
Study of issues created by a rapidly increasing world population causing depletion of world energy resources and agricultural crises. Other environmental problems including pollution, destruction of rain forests, overgrazing, and loss of habitat considered.
Lecture: 3 hours
Prerequisite(s): None.
OAN Approved: TMSBS.

GEOG-1050 Africans in the Americas
3 Credits
Study of world regions touched by the African Diaspora, especially Africa, Caribbean, Brazil, and United States. Focus on characteristics of each region, demographic changes, and variations that shaped culture during and after slavery and to the present.
Lecture: 3 hours
Prerequisite(s): None.
OAN Approved: TMSBS.

GEOG-1510 Regional Geography of the United States and Canada
3 Credits
Regional geography of the United States and Canada noting significant characteristics of each region. Physical setting, economic activities, cultural diversity, social conditions, and political identity of each region studied.
Lecture: 3 hours
Prerequisite(s): None.
OAN Approved: TMSBS.

GEOG-1740 Fundamentals of Geographic Information Science
3 Credits
This course is cross-listed as CNST-1740. Credit can only be earned once for either course. Introduction to geographic information science with a focus on learning Geographic Information Systems (GIS) software. Topics include map, interpretation, and analysis, coordinate systems, map projections, scales, topographic mapping, accuracy versus precision, spatial analysis techniques, types of thematic mapping, sources of data, basic database management, advantages and limitations of GIS, and an introduction to applications in engineering, engineering technology, and the sciences. Students are expected to have basic computer skills prior to taking this course.
Lecture: 2 hours. Laboratory: 2 hours
Prerequisite(s): MATH-1410 Elementary Probability and Statistics I, or MATH-1470 Modern Mathematics for Business and Social Sciences I, or MATH-1530 College Algebra or higher.
OAN Approved: OSS051.

GEOG-179H Honors Contract in Geography
1 Credit
Honors Contract complements and exceeds requirements and expected outcomes of an existing 1000-level honors course through formulation of a contract with a faculty mentor. This independent study at the honors level may also be taken with a non-honors course. When taken with a non-honors course, the Honors Contract adds an honors experience to that course. In conjunction with a faculty mentor, student will formulate a contract, which upon completion will result in distinctive scholarship. The student is required to meet on a regularly scheduled basis with instructor for mentor-student tutorial sessions. A maximum of six Honors Contracts (six credit hours) may be taken at the College (includes 179H and 279H).
Lecture: 1 hours
Prerequisite(s): Must be taken concurrently with a 1000-level course whose instructor agrees to mentor the student in this contract. Departmental approval required.

GEOG-1820 Independent Study/Research in Geography
1-3 Credits
Directed individual study. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.
Lecture: 1-3 hours
Prerequisite(s): Departmental approval, and instructor approval, and ENG-0990 Language Fundamentals II or appropriate score on English Placement Test.

GEOG-182H Honors Independent Study/Research in Geography
1-3 Credits
Honors-level directed individual study. Must meet criteria set forth in the Honors Course Checklist used to approve regular honors courses. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.
Lecture: 1-3 hours
Prerequisite(s): Departmental approval and instructor approval, and ENG-0990 Language Fundamentals II or appropriate score on English Placement Test, and must have earned an A or B in at least 3 honors courses.
GEOG-282H Advanced Honors Independent Study/Research in Geography
1-3 Credits

Advanced Honors-level directed individual study. Must meet criteria set forth in the Honors Course Checklist used to approve regular honors courses. Study/research title and specific content arranged between instructor and student. May be repeated for a maximum of six credits of different topics.

Lecture: 1-3 hours

Prerequisite(s): Departmental approval and instructor approval, and ENG-0990 Language Fundamentals II or appropriate score on English Placement Test, and must have earned an A or B in at least 3 honors courses.