

# GEOGRAPHY (GEOG)

## **GEOG 100 C World Geography** **3 Units**

Term hours: 54 lecture. This course is an introduction to today's physical and political regions emphasizing location, population, political status, land use problems and potentialities and providing opportunities for worldwide research. Duplicate credit not granted for GEOG 100HC. (UC/CSU, AA GE, CSU GE, IGETC/C-ID: GEOG 125)

## **GEOG 100HC Honors World Geography** **3 Units**

Term hours: 54 lecture. This course is an enhanced introduction to today's physical and political regions emphasizing location, population, political and economic status, differences and similarities, problems and potentialities and providing opportunities for worldwide research. Duplicate credit not granted for GEOG 100 C. (UC/CSU, AA GE, CSU GE, IGETC/C-ID: GEOG 125)

## **GEOG 102 C Physical Geography** **3 Units**

Term hours: 54 lecture. This course is an investigation and interpretation of the sun-earth relationship, science maps, weather and climate, the hydrosphere, cycles and patterns in the biosphere, flora and fauna, soils, rocks, and minerals, weathering, mass wasting, erosion, and origin and types of landforms that provide insight into the nature of the physical environment. (CSU/UC, AA GE, CSU GE, IGETC, C-ID: GEOG 110 and GEOG 115=GEOG 102 C + GEOG 102LC)

## **GEOG 102LC Physical Geography - Lab** **1 Unit**

**Prerequisite(s):** Completion of or concurrent enrollment in GEOG 102 C with a grade of C or better.

Term hours: 36 laboratory and 18 laboratory/quiz/problem solving. This course investigates and interprets in a laboratory environment the sun-earth relationships, science of maps, weather and climate, climatic types and locations, natural vegetation, soils and minerals, ocean environment, and the origin and types of landforms that provide insight into the nature of man's physical environment. (CSU/UC, AA GE, CSU GE, IGETC, C-ID: GEOG 111 and GEOG 115= GEOG 102 C + GEOG 102LC)

## **GEOG 120 C Intro to Spatial Reasoning** **3 Units**

Term hours: 54 lecture. This course is an introduction to the fundamental concepts of Geographic Information Science and Technology (GIS&T) including Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, and spatial analysis. Exploration of how geospatial technologies are used in addressing human and environmental issues. (UC/CSU, C-ID: GEOG 150)

## **GEOG 130 C California Geography** **3 Units**

Term hours: 54 lecture. This course investigates and interprets the physical, cultural and economic bases and regions of the state of California. Particular emphasis is placed upon the natural foundations of the landscape with the exploration of the unique nature and special characteristics of the people utilizing that landscape. (UC/CSU, AA GE, CSU GE, IGETC/C-ID: GEOG 140)

## **GEOG 140 C Weather and Climate** **3 Units**

Term hours: 54 lecture. This course is an investigation and interpretation of the earth's atmosphere and the science behind local and global surface weather phenomena. Particular emphasis is placed upon the interrelationships between weather and climate and upon meteorological forecasting techniques. (UC/CSU, AA GE, CSU GE, IGETC/C-ID: GEOG 130)

## **GEOG 160 C Cultural Geography** **3 Units**

Term hours: 54 lecture. This course investigates and interprets the interrelationship of human activities with cultural background, physical environment and the diffusion of ideas. Emphasis is placed on where and why people locate, the distribution of different cultural characteristics on the earth's surface, how people earn a living in various parts of the world, how people organize their lives and how their problems may result from the use of the earth's resources. (UC/CSU, AA GE, CSU GE, IGETC/C-ID: GEOG 120)

## **GEOG 202 C Field Geography - Physical** **1 Unit**

**Prerequisite(s):** Completion of or concurrent enrollment in GEOG 102 C with a grade of C or better.

Term hours: 18 lecture in the field (location TBA). Each separate offering of this course will occur in a unique location, studying unique circumstances and conditions in the field. Each course will employ its own combination of technical equipment, scientific instruments, and geotechniques. All courses will study the basic conceptual materials, with modifications associated with the location and the specific conditions encountered at each season. Field trip cost not to exceed \$40. (UC/CSU/C-ID: GEOG 160)

## **GEOG 203 C Geospatial Field Techniques** **1 Unit**

Term Hours: 18 lecture. Each separate offering of this course will occur in a unique location, studying unique circumstances and conditions in the field. Each course will employ its own combination of technical equipment, scientific instruments, and geo-techniques. All courses will study the basic conceptual materials, with modifications associated with the location and the specific conditions encountered at each season. Field trip cost not to exceed \$40.

## **GEOG 230 C Introduction to GIS** **3 Units**

Term hours: 90 lecture. This course will introduce the student to Geographic Information Systems technology and software. Students will be taught how to retrieve and apply data in their chosen business and/or academic area of interest. \$4 Materials Fee-Payable at Registration. (UC/CSU/C-ID: GEOG 155)

## **GEOG 231 C GIS - Spatial Analysis** **3 Units**

**Prerequisite(s):** GEOG 230 C with a grade of C or better.

Term hours: 36 lecture and 54 laboratory. This course is utilized as a tool to analyze and solve problems, and to discover opportunities for business and academic applications. Students will apply this software in student selected projects. A semester project will be required of each student. \$4 Materials Fee-Payable at Registration. (CSU)

## **GEOG 232 C GIS - Analysis and Modeling** **3 Units**

**Prerequisite(s):** GEOG 230 C with a grade of C or better.

Term hours: 36 lecture and 54 laboratory. This course introduces students to advanced topics, techniques, and analysis in Geographic Information Systems (GIS). Students will retrieve and apply data in their chosen business or academic area of interest. \$4 Materials Fee-Payable at Registration. (UC/CSU)

## **GEOG 233 C GIS - Advanced Internship** **3 Units**

**Prerequisite(s):** GEOG 231 C and GEOG 232 C, with a grade of C or better.

Term hours: 9 lecture and 125 hours fieldwork. This course of internships and fieldwork comprises a significant portion of the students' work in this Geographic Information Systems (GIS) course. Students are required to participate in 125 hours of supervised field study per semester (7 hours per week) and one hour lecture per week to discuss problem areas related to fieldwork. \$4 materials fee payable at registration. (CSU/UC)

**GEOG 234 C Current Topics in GIS**

**3 Units**

Term hours: 36 lecture and 54 laboratory. This is an advanced lecture/discussion project type course designed to cover current issues and advances in Geographic Information Systems. It is designed for students who have experience in GIS applications and wish to update their knowledge and working skills. A final semester project, utilizing GIS for a project chosen by the student will be required. \$4 Material Fee-Payable at Registration. (UC/CSU)

**GEOG 260 C Economic Geography**

**3 Units**

Term hours: 54 lecture. This course is an investigation and interpretation of the world's economic organization, its natural resources, raw materials, crops and crop production, manufacturing and service industries, new trends in producing and the changing centers of production and consumption. (UC/CSU, CSU GE, AA GE, IGETC)

**GEOG 298 C Geography Seminar**

**0.5-12 Units**

*Prerequisite(s)*: May be required.

*Corequisite(s)*: May be required.

*Advisory*: May be required.

Term hours: 0-216 lecture and/or 0-756 laboratory. This is a lecture/discussion type course developed on a particular limited problem or topic of interest to students. It is designed for able students who wish to increase their knowledge of a particular topic concerning which no other regular class is offered. A paper or group activity may be requested. Credit may range from 1/2 unit to 12 units. Consult class schedule for the offerings in a particular semester. Fees may be required-Payable at Registration. Pass/No Pass or Letter Grade Option. (UC Credit Limitation/CSU)

**GEOG 299 C Geography Independent Study**

**1 Unit**

*Prerequisite(s)*: Approved Independent Study Learning Contract

Term hours: 18 lecture. This independent study course is for able students who wish to extend their knowledge of a particular area through individual research and study. It is thought the topics might develop out of a curiosity stimulated in a regular class. The student would then contact the supervising instructor to develop a contract for his/her particular interest so that they could learn more regarding their specific topic. May be taken for credit 3 times. (UC Credit Limitation/CSU)