# GEOGRAPHY (GEOG)

See Course Description Symbols and Terms (https://catalog.csuchico.edu/academic-standards-policies/course-description-symbols-terms/) for an explanation of course description terminology and symbols, the course numbering system, and course credit units.

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>GE</th>
<th>Course Attributes</th>
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<th>Prerequisite</th>
<th>Repeatability</th>
<th>Grade Basis</th>
<th>Course Description</th>
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<tr>
<td>GEOG 101</td>
<td>Earth Systems and Physical Geography</td>
<td>3</td>
<td>GE</td>
<td>Lower Division, Sustainable Course</td>
<td>Fall, spring, fall</td>
<td>Recommended: High school biology, chemistry, or physics.</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>This course is a survey of the basic processes that determine flows of energy through the atmosphere and examines the subsequent interactions among water, landforms, soil, and vegetation that create and modify the surface of the earth. Students develop a recognition of landscape patterns, as well as an understanding of the physical, chemical, and biological principles and functions that create those patterns, in order to understand the natural environment in which we live and the role of humans affecting that environment. 2 hours activity, 2 hours lecture. (003857)</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Peoples, Places, and Environments</td>
<td>3</td>
<td>GC, GE</td>
<td>Lower Division, Global Cultures</td>
<td>Fall and spring</td>
<td>Social Sciences (D)</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>Survey of human populations and activities, with an emphasis upon how social, economic, political, and religious institutions influence interrelationships with the physical environment. 3 hours lecture. (003859)</td>
</tr>
<tr>
<td>GEOG 105</td>
<td>California Cultural Landscapes</td>
<td>3</td>
<td>GE, USD</td>
<td>Lower Division, Sustainable Course, US Diversity</td>
<td>Fall and spring</td>
<td>Social Sciences (D)</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>Broad overview of spatial and temporal changes in the California landscape resulting from the interaction of various cultural groups with their environment. 3 hours lecture. (003860)</td>
</tr>
<tr>
<td>GEOG 106</td>
<td>American West Decolonized</td>
<td>3</td>
<td>GE, USD</td>
<td>Lower Division, Sustainable Course</td>
<td>Fall and spring</td>
<td>Social Sciences (D)</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>Re-interpreting the diverse environmental and cultural geography of the American West through the comparative lens of human-environmental relationships. Identify the unique influence of Indigenous and settler cultures in shaping the western landscapes. Be inspired by traditional practices being reapplied through diverse partnerships and Indigenous leadership to address social and environmental issues. Recognize sustainable solutions to become an engaged citizen of place through reciprocity and reconciliatory practices. 3 hours lecture. (003861)</td>
</tr>
<tr>
<td>GEOG 119A</td>
<td>Introductory ArcGIS</td>
<td>1</td>
<td></td>
<td>Lower Division</td>
<td>Fall and spring</td>
<td>Not for geography majors. 1 hour lecture. (020348)</td>
<td>You may take this course for a maximum of 2 units</td>
<td>Graded</td>
<td>Introduction of concepts and techniques of geographic information system analysis and the presentation of map data. The course introduces the ArcMap application.</td>
</tr>
<tr>
<td>GEOG 139</td>
<td>Visualizing Local Landscapes</td>
<td>3</td>
<td>GE</td>
<td>Lower Division</td>
<td>Fall and spring</td>
<td></td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>Cultural landscapes are works of the human imagination, and thus can be examined via complementary visual media representing our deepest feelings, beliefs, and intuition about a place. They are a palimpsest that contains the etchings that past and present cultures have inscribed on Earth's surface. Cultural landscapes teem with information about the relationship between different cultures and the physical world, the relationships between privileged and marginalized communities, and, also, reflect how cultures change through time. This course develops a student's appreciation of cultural landscapes by exploring and creating visual media representations using the landscapes of the Greater Chico area. This course acknowledges the wholeness of nature and human experiences in the world, a consciousness approach to viewing, interpreting, and representing landscapes. Students read about, observe, illustrate, and think about local landscapes. 3 hours lecture. (022233)</td>
</tr>
<tr>
<td>GEOG 198</td>
<td>Special Topics</td>
<td>1-3</td>
<td></td>
<td>Lower Division</td>
<td>Fall and spring</td>
<td></td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours lecture. (003869)</td>
</tr>
<tr>
<td>GEOG 199</td>
<td>Special Problems</td>
<td>1-3</td>
<td></td>
<td>Lower Division</td>
<td>Fall and spring</td>
<td>Faculty permission.</td>
<td>You may take this course more than once</td>
<td>Graded</td>
<td>This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 3 hours supervision. (020160)</td>
</tr>
<tr>
<td>GEOG 211</td>
<td>Introduction to Geographical Information Systems</td>
<td>3</td>
<td></td>
<td>Lower Division</td>
<td>Fall and spring</td>
<td></td>
<td>You may take this course for a maximum of 3 units</td>
<td>Graded</td>
<td>This course provides an introduction to topics and technology in Geographic Information Systems (GIS). The course will combine a conceptual discussion of topics with practical exercises. Both the theory and practice of GIS analysis will be presented. 3 hours lecture. (021439)</td>
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<th>Course Code</th>
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<tr>
<td>GEOG 219</td>
<td>Introduction to Geographic Methods</td>
<td>3</td>
<td></td>
<td></td>
<td>Fall only</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Lower Division</td>
</tr>
<tr>
<td>GEOG 301W</td>
<td>Global Economic Geography (W)</td>
<td>3</td>
<td>GC, GE, W</td>
<td>GEO Oral Communication (A1); GE Written Communication (A2); GE Critical Thinking (A3); GE Mathematics/Quantitative Reasoning (B4) requirements, or consent of the instructor.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper-Division Social Sciences (UDD); Agriculture, Food, and Environment Pathway; Equity, Ethics, and Policy Pathway</td>
</tr>
<tr>
<td>GEOG 303</td>
<td>Geography and World Affairs</td>
<td>3</td>
<td>GC, GE</td>
<td></td>
<td>Spring, summer, fall</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper-Division; Global Cultures; Writing Course</td>
</tr>
<tr>
<td>GEOG 304</td>
<td>Sustainability and Climate Change Issues</td>
<td>3</td>
<td>GE</td>
<td>GEO Oral Communication (A1); GE Written Communication (A2); GE Critical Thinking (A3); GE Mathematics/Quantitative Reasoning (B4) requirements, or consent of the instructor.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper-Division; Global Cultures; Writing Course</td>
</tr>
<tr>
<td>GEOG 305</td>
<td>Mobile, Wired, and Tracked: Our Digital Planet</td>
<td>3</td>
<td>GE</td>
<td>GE Oral Communication (A1); GE Written Communication (A2); GE Critical Thinking (A3); GE Mathematics/Quantitative Reasoning (B4) requirements, or consent of the instructor.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division</td>
</tr>
<tr>
<td>GEOG 306</td>
<td>Geographies of Disaster</td>
<td>3</td>
<td></td>
<td></td>
<td>Spring only</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division; Sustainable Course</td>
</tr>
<tr>
<td>GEOG 313</td>
<td>Introductory Cartography</td>
<td>3</td>
<td></td>
<td>GEOG 211 or equivalent (may be taken concurrently).</td>
<td>Fall only</td>
<td>Graded</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper-Division; Sustainable Course</td>
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**Typically Offered:** Fall only

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Lower Division
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<tr>
<th>Course Code</th>
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<tr>
<td>GEOG 315</td>
<td>Applied Statistical Methods in Geography</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: GEOG 211, MATH 105 or equivalents.</td>
<td>Fall only</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division</td>
</tr>
<tr>
<td>GEOG 320</td>
<td>Introduction to Land Use Planning</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: GEOG 343</td>
<td>Fall only</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division; Sustainable Course</td>
</tr>
<tr>
<td>GEOG 342</td>
<td>Geomorphology</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: ERTH 102, GEOG 101, PSSC 101, or PSSC 250; AGET 340, GEOG 211, GEOG 219.</td>
<td>Fall only</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division</td>
</tr>
<tr>
<td>GEOG 343</td>
<td>Climatology</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: ERTH 170 or GEOG 101 or equivalent.</td>
<td>Fall only</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division</td>
</tr>
<tr>
<td>GEOG 352</td>
<td>The United States</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: GE Oral Communication (A1); GE Written Communication (A2); GE Critical Thinking (A3); GE Mathematics/Quantitative Reasoning (B4) requirements, or consent of the instructor.</td>
<td>Fall and spring</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division; US Diversity</td>
</tr>
<tr>
<td>GEOG 357</td>
<td>Lands and Peoples of Latin America</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: GE Oral Communication (A1); GE Written Communication (A2); GE Critical Thinking (A3); GE Mathematics/Quantitative Reasoning (B4) requirements, or consent of the instructor.</td>
<td>Fall and spring</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division; Global Cultures</td>
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<tr>
<td>GEOG 398</td>
<td>Special Topics</td>
<td>1-3</td>
<td>Credit/No Credit</td>
<td>Prerequisite: Fall and spring</td>
<td>Fall and spring</td>
<td>You may take this course for a maximum of 15 units</td>
<td>Upper Division</td>
</tr>
<tr>
<td>GEOG 399W</td>
<td>Foundations of Geographical Analysis (W)</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: GE Written Communication (A2) requirement.</td>
<td>Fall only</td>
<td>You may take this course for a maximum of 3 units</td>
<td>Upper Division</td>
</tr>
<tr>
<td>GEOG 399H</td>
<td>Special Topics - Honors</td>
<td>3</td>
<td>Graded</td>
<td>Prerequisite: Junior standing and current enrollment in the Honors Program.</td>
<td>Fall and spring</td>
<td>You may take this course more than once</td>
<td>Upper Division</td>
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</table>
GEOG 399 Special Problems 1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 3 hours supervision. (003925)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Upper Division

GEOG 405 Conservation, Restoration, and Stewardship 3 Units
Prerequisite: GEOG 101 or equivalent. Recommended: GEOG 426, GEOG 445 or equivalent.
Typically Offered: Fall only
Degraded ecosystems, increased species extinctions, and the climate crisis are global challenges. Become an ecological fixer. Learn diverse principles and practices to effectively conserve, restore and steward ecosystems in an ever-changing world filled with complex ecological and social interactions. Evaluate and create solutions through experiential learning in various field locations. 3 hours lecture. (003930)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 407W Earth Systems Analysis of Global Change (W) 3 Units W, GW
Prerequisite: GE Written Communication (A2); Senior standing.
Typically Offered: Spring only
Through discussions and different styles of writing, students examine global change and its impacts on physical environment and human society. Students work together to understand past, current, and future challenges, relating to physical and cultural landscapes. Students from different backgrounds and trainings share knowledge and plan responses to these challenges, including social vulnerability. 3 hours lecture. (015873)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course; Writing Course; Graduation Writing Assessment

GEOG 411 Geospatial Analysis and Modeling in GIS 3 Units
Prerequisite: GEOG 211, GEOG 313, GEOG 315 or equivalents.
Typically Offered: Spring only
Advanced geospatial analysis and modeling techniques using Geographic Information Systems (GIS). Topics include geoprocessing, Python programming, and geospatial modeling. Students collaborate to design, develop, and present a GIS pilot study. They apply GIS theory and techniques to solve problems in land and resource management, utilities, and municipal government. Covers all stages of a GIS project: planning, design, analysis, and presentation. 1 hour activity, 2 hours lecture. (003942)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

GEOG 413 Advanced Cartography and Geovisualization 3 Units
Prerequisite: GEOG 211, GEOG 313.
Typically Offered: Spring only
Cartographic data entry, manipulation, and analysis in a computer mapping environment. Emphasis is on geographic information processing. 3 hours lecture. (003932)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

GEOG 417 Field Techniques 3 Units
Prerequisite: GEOG 101, GEOG 102, or equivalent.
Typically Offered: Fall only
Evaluate monitoring and research techniques and tools commonly used in field-based geographic, environmental, and social studies. Collect and analyze data to inform decision making and solutions to environmental and social-environmental issues. 6 hours activity. (003939)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

GEOG 418 Remote Sensing of Environment 3 Units
Prerequisite: GEOG 211; GEOG 315 or MATH 105, or equivalents.
Typically Offered: Spring only
An introduction to the theory, techniques, data acquisition, processing, and presentation of imagery acquired through aerial photographic and satellite means of remote sensing. Application of basic skills of aerial photographic interpretation and satellite digital image processing and analysis to physical and cultural geographic phenomena. 3 hours lecture. (003941)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

GEOG 425 Planning for Sustainable Communities and Regions 3 Units
Typically Offered: Fall only even years
Examination of economic, social, demographic, and political bases for sustainable community and regional development and planning. Examines the theory, evolution and practice of planning for sustainable communities and regions through examination of environmental, economic, and equity issues. 3 hours discussion. (003947)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 426 Sustainable Water Systems 3 Units
Prerequisite: GEOG 101 or SCED 101 or equivalents. Recommended: GEOG 304, GEOG 343.
Typically Offered: Spring only
Water is finite, and life on Earth depends on it. Evaluating and creating solutions to complex environmental and social interactions with water is critical to ensuring water for all life. Draw from diverse examples of policy and stewardship that shape sustainable practices to provide socially and ecologically-just outcomes. Field opportunities provide insight to regional examples of water projects, habitats, and social issues. 3 hours seminar. (003948)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 427 Environmental Impact Analysis 3 Units
Prerequisite: Recommended: GEOG 320.
Typically Offered: Spring only
Study of the legal antecedents to California environmental impact legislation; analysis of environmental review procedures, environmental research, preparation and evaluation of EIRs, and conditional negative declarations. 3 hours discussion. (003949)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course
GEOG 428 Land Use Planning Studio 3 Units
Prerequisite: Recommended: GEOG 320.
Typically Offered: Spring only every year
Relationship of physical, biotic, cultural, and aesthetic factors to land planning. Techniques of solving site problems dealing with topography, grading, slope stability, seismicity, hydrology, vegetation, wildlife, soils, micro-climate energy use, view-shed, and functional design. Land development projects are analyzed, and plans for new development projects are prepared. 3 hours discussion. (003950)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 429 Environmental and Conservation Planning 3 Units
Prerequisite: Recommended: GEOG 320.
Typically Offered: Spring only odd years
This course introduces the theory and application of environmental and conservation planning. It critically examines the activities of environmental planning and the analytical approaches that can be used to direct resources toward conservation that yields the greatest return on biodiversity protection and ecosystem services sustainability. Students gain knowledge of the theories, techniques through practical experiences in planning activities, and institutional legalities of environmental and conservation planning. Using sustainability as a framework, this course presents the underlying concepts of sustainable land-use planning to best manage for abiotic and biotic resources. Focus is on the regional, local, and landscape scales. 3 hours lecture. (020744)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 436 Sustainable Transportation Planning 3 Units
Prerequisite: GEOG 320, or faculty permission.
Typically Offered: Fall only odd years
An analysis of the function and distribution of the various modes of transportation and their role in urban and regional sustainable development. Techniques of sustainable planning transportation systems based on land use. 3 hours discussion. (003955)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

GEOG 438 Urban Geography 3 Units
Prerequisite: GEOG 102, GEOG 105, GEOG 106 or SOSC 301.
Typically Offered: Spring only
Examines the location, evolution, shape, spatial patterns, and classification of cities in the United States and elsewhere. Studies the evolution of urban systems and the spatial organization of neighborhoods, central business districts, and suburbs. Explores environmental, economic, and social issues associated with urbanization, and the policies used to address them. Examines the roles of class, race, ethnic diversity, gender, and consumption in shaping the experience of urban life. 3 hours lecture. (021163)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

GEOG 439W American Cultural Landscapes (W) 3 Units W, GW
Prerequisite: GE Written Communication (A2) requirement, GEOG 390W with a C- or higher for Geography majors.
Typically Offered: Fall only
Analysis of the special character of North American landscapes. Examination of the historical evolution of contemporary landscapes through maps, reading, literature, field observations, and class discussion. Emphasis on comparison of regional patterns and the shaping of American landscapes by cultural and economic factors. 3 hours discussion. (003890)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Writing Course; Graduation Writing Assessment

GEOG 440 Environmental Thought in Action 3 Units
Typically Offered: Spring only
This seminar is required of students minoring in Environmental Studies and is to be taken as the culminating course in the minor. The course integrates the cross-disciplinary elements of the minor, emphasizing the interplay among the scientific, social, legal, historical, and humanistic elements of the study of the environment. 3 hours seminar. (009080)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 444 Biogeography and Landscape Ecology 3 Units
Prerequisite: GEOG 101, GEOG 211, GEOG 343, GEOG 390W or equivalents. Recommended: BIOL 161, BIOL 350W, GEOG 315.
Typically Offered: Inquire at department
Biogeography and landscape ecology are keys for evaluating plant and animal distributions at local to global spatial scales. This course seeks to understand the physical and biological processes that determine these patterns through time, as well as help design management strategies for conserving our planet’s biological diversity, and thus ecosystem services. The course emphasizes nature and impact of continuity and patchiness of species distributions and movement, and material flow on the structure and dynamics of wildland, agrarian, and urbanized landscapes. This is thus a highly integrative field of inquiry, pulling on concepts, theories and data from general ecology, evolutionary biology, geology, and physical and human geography. Quantitative methods and field trips consider the biogeography of plants and animals in the local landscapes. 2 hours activity, 2 hours lecture. (003929)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course

GEOG 445 Pyrogeography 3 Units
Prerequisite: GEOG 101 or equivalent.
Typically Offered: Spring only
Pyrogeography is a comprehensive study of the physical and cultural parameters of fire. Topics covered include the spatial and temporal relationships of fire as an integral landscape process with an emphasis on the maintenance of North American ecosystems; the interpretation of the cultural uses of fire by indigenous communities as well as the historic and contemporary implications of fire management and policies; and the ecological implications of fire on biotic and abiotic systems. 3 hours discussion. (020415)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Sustainable Course
### GEOG 489 Geography Internship

**Typically Offered:** Fall and spring

This course is an internship offered for 1.0-3.0 units. You must register directly with a supervising faculty member. Supervised work experience in applied geography or planning in public or quasi-public agencies. 9 hours supervision. (003992)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 15 units

**Course Attributes:** Upper Division

### GEOG 498 Special Topics

**1-3 Units**

**Prerequisite:** Completion of 6 units of geography.

**Typically Offered:** Fall and spring

This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours supervision. (004004)

**Grade Basis:** Graded

**Repeatability:** You may take this course more than once

**Course Attributes:** Upper Division

### GEOG 499 Special Problems

**1-3 Units**

**Prerequisite:** Faculty permission.

**Typically Offered:** Fall and spring

This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 9 hours supervision. (004005)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 6 units

**Course Attributes:** Upper Division

### GEOG 499H Honors Research in Geography

**3 Units**

**Prerequisite:** Faculty permission.

**Typically Offered:** Fall only

An intensive 3-unit course in geographical research. See department office for details. Open only to students with at least a 3.0 GPA in the major. The course consists of a research project done under the supervision of a faculty member, a formal written paper, and a public presentation. 9 hours supervision. (004006)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 6 units

**Course Attributes:** Upper Division

### GEOG 506 Community Service Practice in Sustainability

**3 Units**

**Typically Offered:** Fall only

Management of socio-economic and cultural spatial resources in the human-built environment. Effective programs and the institutional frameworks in which they occur. An analysis of the complex interactions between institutions, socio-economic structure, and cultural landscape in the management and planning process. Includes the use of maps and other graphic material, field surveys, as well as reading, lecture, and discussion. Community service work with the City of Chico and other similar municipal agencies or civil sector organizations provide a focus for class projects and discussion. 3 hours lecture. (021451)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Upper Division

### GEOG 598 Special Topics

**1-3 Units**

**Prerequisite:** Department permission.

**Typically Offered:** Fall and spring

This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 0 hours supervision. (020162)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Upper Division

### GEOG 599 Special Problems

**1-3 Units**

**Prerequisite:** Faculty permission.

**Typically Offered:** Fall and spring

This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 9 hours supervision. (020187)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Upper Division

### GEOG 689 Geography Internship

**1-3 Units**

**Prerequisite:** Completion of 6 units of geography.

**Typically Offered:** Fall and spring

This course is an internship offered for 1.0-3.0 units. You must register directly with a supervising faculty member. Supervised work experience. 9 hours supervision. (004057)

**Grade Basis:** Graduate Graded

**Repeatability:** You may take this course for a maximum of 15 units

**Course Attributes:** Graduate Division

### GEOG 689T Supervised College Teaching

**2 Units**

**Typically Offered:** Fall and spring

Weekly tutorials and supervision for those students who plan to prepare themselves for a career in college teaching of geography. Students must identify the course and the tenure/tenure-track faculty member teaching that course during the semester offered. The faculty member must agree to mentor a student in pedagogical training with a particular course. Faculty members can be responsible for a maximum of two students in any one semester. A maximum of 2.0 units in this course is acceptable for credit toward the Master of Arts in Geography. The course may be taken twice, but a different subject course must be chosen for the second enrollment. A supervised teaching plan is to be filed with the Graduate Coordinator, and approval of the Department Chair is required for registration. 6 hours supervision. (020443)

**Grade Basis:** Graduate Graded

**Repeatability:** You may take this course for a maximum of 4 units

**Course Attributes:** Graduate Division

### GEOG 697 Independent Study

**1-3 Units**

**Prerequisite:** Graduate Coordinator permission.

**Typically Offered:** Fall and spring

This course is a graduate-level independent study offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 3 hours supervision. (004060)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 6 units

**Course Attributes:** Graduate Division
GEOG 699P  Master's Project  1-6 Units
Prerequisite: Graduate Coordinator permission and candidacy status.
Typically Offered: Fall and spring
This course is offered for 1.0-6.0 units. You must register directly with a supervising faculty member. 9 hours supervision. (004064)
Grade Basis: Report in Progress: CR/NC
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Graduate Division

GEOG 699T  Master's Thesis  1-6 Units
Prerequisite: Graduate Coordinator permission and candidacy status.
Typically Offered: Fall and spring
This course is offered for 1.0-6.0 units. You must register directly with a supervising faculty member. 9 hours supervision. (004061)
Grade Basis: Report in Progress: CR/NC
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Graduate Division