

# Geography

Geography is an academic discipline that systematically studies the location, variation and interrelations of natural and cultural features of the earth. Its study exemplifies the University's mission to emphasize interdisciplinary, problem-focused education because Geography examines the world and its problems with a view to comprehensive understanding and critical thinking.

Geography students gain a broad education encompassing the sciences and the liberal arts.

Geography offers technical training for students who wish to work as professional geographers in government or industry, and provides background for advanced work in business, economics, history, planning, political science, the humanities, or in the biological and earth sciences, depending upon a student's individual needs. Students who want preparation to teach should seek advice early from advisers in Geography and Education to make sure they complete all requirements.

Depending on their career goals, students might effectively combine Geography with programs in Business Administration, Environmental Policy and Planning, Urban Studies, Human Development, Democracy and Justice Studies, or Humanistic Studies.

Students in Geography can expect to become acquainted with current technology in the field through courses introducing them to the concepts and uses of geographic information systems (GIS). In addition, students develop spatial analytical skills that are applied to problem solving projects. In this light, students are encouraged to gain practical experience through internships with local agencies and organizations in the region and through practical course projects.

Students are also encouraged to take advantage of the opportunities offered in the two travel courses offered under Urban and Regional Studies that will satisfy the Geography minor. Students apply what they learn in the classroom to the international experience. Geography minors study urban and regional issues in Ecuador, South America and the Galapagos Islands. Students seeking information on teacher certification should contact the Education Office.

## Minor

Code	Title	Credits
<b>Supporting Courses</b>		<b>8</b>
GEOG 102	World Regions and Concepts: A Geographic Analysis	
GEOG 250	Introduction to Geographic Information Systems (GIS)	
<b>Choose one of the following courses:</b>		
GEOG 209	Landscapes of North America	
GEOG 210	Human Geography and Concepts	
GEOG 222	Ocean of Air: Weather and Climate	
GEOSCI 102	Natural Hazards	
PU EN AF 102	Environment and Society	
<b>Upper-Level Courses <sup>1</sup></b>		<b>12</b>
Courses selected must come from at least two of the following areas:		
<b>Physical Geography</b>		
GEOG 321	Coastal Resources Policy and Management	
GEOSCI 325	Regional Climatology	
GEOSCI 425	Global Climate Change	
<b>Human Geography</b>		
GEOG 341	Urban Geography	
PU EN AF 324	Transitioning to Sustainable Communities	
<b>Regional Geography</b>		
GEOG 370	Geography of South America	
UR RE ST 499	Travel Course	
<b>Geographic Techniques</b>		
GEOG 350	GIS in Public and Environmental Policy	
GEOG 450	Advanced Geographic Information Systems	
<b>Total Credits</b>		<b>20</b>

<sup>1</sup> Internships and independent study opportunities are available with faculty approval.

**Christopher Houghton**, Assistant Scientist

## **Faculty**

**Marcelo P Cruz**; Associate Professor; Ph.D., University of California - Los Angeles, chair

**Melvin Johnson**; Associate Professor; Ph.D., University of Nebraska - Lincoln

**Laurel E Phoenix**; Associate Professor; Ph.D., State University of New York - College of Environmental Science and Forestry\*