

UC SANTA BARBARA

Geography

2023-24 Upper Division Course List with Course Numbers and Titles **SUBJECT TO CHANGE**

Physical Geography

Geog 102	Intro to Environmental Optics in Physical Geography
Geog 104	Physical Geography of the World's Oceans (or Ocean Sci Area B)
Geog 110	Introduction to Meteorology (or Ocean Sci Area D)
Geog 112	Environmental Hydrology
Geog 114A	Soil Science
Geog 114B	Soil Genesis and Classification
Geog 116	Groundwater Hydrology
Geog 119	Climatic Change and Its Consequences (or Ocean Sci Area D)
Geog 130	The Urban Environment
Geog 131	Mountain Weather & Climate (or Ocean Sci Area D)
Geog 132	Coastal Pollution (or Ocean Sci Area C)
Geog 133	Tropical Meteorology (or Ocean Sci Area D)
Geog 134	Earth System Science (or Ocean Sci Area D)
Geog 136	Field Studies in Water, Energy, and Ecosystems
Geog 137	Quantitative Geomorphology
Geog 142	Global Biogeochemical Cycles (or Ocean Sci Area D)
Geog 144	Form, Process, and Human Use of Rivers
Geog 162	Environmental Water Quality
Geog 163	Ocean Circulation (or Ocean Sci Area C)
Geog 165	Waves and Tides in the Ocean (or Ocean Sci Area C)
Geog 166	Ocean Carbon Cycle and Climate (or Ocean Sci Area C)
Geog 167	Biogeography – Study of Plant and Animal Distributions

Human Geography

Geog 101	Transportation Futures
Geog 108	Urban Geography
Geog 109	Economic Geography
Geog 111A	Transportation Planning and Modeling
Geog 111B	Transportation Modeling and Simulation
Geog 111C	Smart Green Cities *Previously Geog 195KG
Geog 141A	Population Geography
Geog 141B	Population and Development
Geog 141C	California Population Analysis and Policy
Geog 145	Society and Hazards
Geog 146	Introduction to Transportation
Geog 152	Health Geography
Geog 153A	Behavioral Geography
Geog 153B	Introduction to Spatial Decision Making and Behavior
Geog 153C	Environmental Perception and Cognition
Geog 153D	Spatial Decisions in Retailing
Geog 182	Global Cities in the Information Age
Geog 185A	Geography Planning and Policy Making
Geog 185B	Environmental Issues and Location Decision Making
Geog 185C	Local and Regional Economic Analysis

Geographical Techniques

Geog 115A	Remote Sensing of the Environment 1
Geog 115B	Remote Sensing of the Environment 2
Geog 115C	Remote Sensing of the Environment 3
Geog 117	Scientific Research Methods in Geography
Geog 126	Maps in Science and Society
Geog 128	Analytical and Computer Cartography
Geog 172	Intermediate Geographical Data Analysis
Geog 175	Measuring our Environment
Geog 176A	Introduction to Geographic Information Systems
Geog 176B	Technical Issues in Geographic Information Systems
Geog 176C	GIS Design and Applications
Geog 178	Conceptual Modeling and Programming for the Geo-Sciences
Geog 183	Cartographic Design and Geovisualization
Geog 184	Introduction to Cartographic Programming
Geog 186	Analysis and Modeling of Movement
Geog 190	Location Theory and Modeling
Geog 191	Introduction to Optimization Methods for Geographic Problems

Integrative and Regional Geography

Geog 113	Polar Environment
Geog 140	Environmental Impacts in Human History
Geog 148	California
Geog 149	The California Channel Islands (or Ocean Sci Area C)
Geog 150	Geography of the United States
Geog 155	Geography of Latin America
Geog 158	Introduction to Marine Resources
Geog 159	Geography of Europe
Geog 160	Ocean Remote Sensing
Geog 161	World Agriculture, Food, and Population
Geog 185D	Urban and Environmental System Analysis
Geog 194	Field Study of California's Coast (or Ocean Sci Area C)

Career Courses

<u>Individualized Courses</u> *departmental approval required	
Geog 193	Internship in Geography (max 4 units toward the major)
Geog 197	Careers In Geography
Geog 198	Readings in Geography
Geog 199	Independent Studies in Geography
Geog 199RA	Independent Research Assistance in Geography

Color Key **Fall 2023** **Winter 2024** **Spring 2024**

Bold indicates Specialized Physical Geography course
Revised 11/20/2023