

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

Career Courses

Individualized Courses *departmental approval required
 Geog 193 Internship in Geography (max 4 units toward the major)
 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