

Upper Division Electives 2016-2017

Fall 2016

Course	Course Title	Units	Instructor
GEL 140	Process Geomorphology	4	Pinter, N
GEL 161	Geophysical Field Methods	3	Billen
GEL 164	Earth and Planetary Materials	TBA	Stewart

Winter 2017

Course	Course Title	Units	Instructor
GEL 115	Earth Science, History, and People	4	Verosub
GEL 116N	Oceanography	3	Hill
GEL 131	Risks and Natural Hazards	3	Rundle
GEL 141	Evolutionary History of Vertebrates	3	Motani
GEL 144	Historical Ecology	3	Vermeij
GEL 150B	Geological Oceanography	3	McClain
GEL 156	Hydrogeology and Contaminant Transport	5	Fogg
GEL 163	Planetary Geology and Geophysics	3	Yin

Spring 2017

Course	Course Title	Units	Instructor
GEL 120	Big Bang to Today	3	Osleger
GEL 130	Non-Renewable Natural Resources	3	Verosub
GEL 132	Inorganic Geochemistry	3	Mukhopadhyay
GEL 146	Radiogenic Isotope Geochemistry and Cosmochemistry	3	Yin
GEL 198	Tectonics (CRN: 74730)	TBA	Cowgill
GEL 198	Communicating Climate Change Science (CRN: 74720)	1	Sumner

Every quarter

Course	Course Title	Units	Instructor
GEL 181	Math and Science Teaching II	2	Horn
GEL 183	Math and Science Teaching III	3	Pinter, S
GEL 190	Seminar	1	TBA

Upper Division Electives:

- Additional upper division electives chosen from GEL 130–194 courses
- Only one of GEL/EDU 181 or GEL/EDU 183 may be applied toward elective credit
- No more than 3 units upper division elective credit for GEL 115–120 courses
- Maximum of 6 units upper division elective credit for GEL 192 or 194A-B or 194HA-HB
- Preapproved electives outside of Geology:
 - ECI 171+171L – Soil Mechanics (5 units)
 - ECI 175 – Geotechnical Earthquake Engineering (4 units)
 - ESM 100 – Principles of Hydrologic Science (4 units)
 - ESM 186 – Environmental Remote Sensing (5 units)
 - ESP 152 – Coastal Oceanography (3 units)
 - HYD 144 – Groundwater Hydrology (4 units)
 - HYD 146/GEL 156 – Hydrogeology and Contaminant Transport (5 units)
 - LDA 150/ABT 150 – Introduction to Geographic Information Systems (4 units)
 - SSC 100 – Principles of Soil Science (5 units)
 - WFC 102+102L – Ecogeomorphology (1 unit) / Lab (6 units)
 - Cross-enrollment online class at UCLA: Geography 168 – Intermediate GIS (4 units)
<https://crossenrollcourses.universityofcalifornia.edu/catalog/view/119?title=GEOG+168+Intermediate+Geographic+Information+Systems> (this course counts as UC Davis' LDA/ABT 150, so students cannot take both)
 - And related fields approved *in advance* by faculty adviser