

Upper Division Electives 2017-2018

Fall 2017

Course	Course Title	Units	Instructor
GEL 115	Earth Science, History, and People	4	Verosub
GEL 131	Risks and Natural Hazards	3	Rundle
GEL 140	Process Geomorphology	4	Pinter, Nicholas
GEL 190	Seminar	1	Mukhopadhyay
GEL 198	Geobiology (CRN: 45069)	3	Sumner

Winter 2018

Course	Course Title	Units	Instructor
GEL 116N	Oceanography	3	Ward, Melissa
GEL 130	Non-Renewable Natural Resources	3	Verosub
GEL 146	Radiogenic Isotope Geochemistry and Cosmochemistry	3	Yin
GEL 150B	Geological Oceanography	3	McClain
GEL 156	Hydrogeology & Transport	5	Fogg
GEL 163	Planetary Geology and Geophysics	3	Stewart
GEL 190	Seminar	1	Carlson

Please note: GEL 108 will only be offered in Winter this year

Spring 2018

Course	Course Title	Units	Instructor
GEL 120	Big Bang to Today	3	Osleger
GEL 136	Ecogeomorphology (<i>application required for enrollment</i>)	5	Pinter, Nicholas
GEL 144	Historical Ecology	3	Vermeij
GEL 150A	Physical and Chemical Oceanography	4	Gaylord
GEL 190	Seminar	1	Sumner
GEL 198	Environmental Geochemistry (CRN: 65112)	3	Mukhopadhyay
GEL 198	Making Sense of Climate Science Denial (CRN: 65121)	1	Sumner

Please note: GEL 109 and 109L will only be offered in Spring this year

CalTeach/MAST Courses

Only one course may be applied toward elective credit

Course	Course Title	Quarters	Units	Instructor
GEL 181	Math and Science Teaching II	F, W, Sp	2	Horn
GEL 183	Math and Science Teaching III	F, W, Sp	3	Pinter, Susann
GEL 185A	Integrated Science I	W	2	Pinter, Susann
GEL 185B	Integrated Science II	Sp	2	Pinter, Susann
GEL 186	Learning Assistant Seminar	F, W, Sp	1	Stevenson

Upper Division Electives:

- Additional upper division electives chosen from GEL 130–194 courses
- Only one of GEL/EDU 181, 183, GEL 185A, 185B, or 186 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