

# CWU GEOLOGY

| Fall<br>2022 | Winter<br>2023 | Spring<br>2023 | Smmr<br>2023 | Fall<br>2023 | Winter<br>2024 | Spring<br>2024 | Smmr<br>2024 |
|--------------|----------------|----------------|--------------|--------------|----------------|----------------|--------------|
|--------------|----------------|----------------|--------------|--------------|----------------|----------------|--------------|

**Classes without prerequisites** (OL = online version available some but not all quarters)

|          |                                   |   |   |   |   |  |                             |   |   |  |
|----------|-----------------------------------|---|---|---|---|--|-----------------------------|---|---|--|
| GEOL 101 | Introduction to Geology (w/ lab)  | 5 | + | + | + |  | +                           | + | + |  |
| SCED 102 | Integrated Earth & Space Science  | 5 | + |   |   |  |                             | + |   |  |
| GEOL 107 | Earth's Changing Surface (OL)     | 4 | + | + | + |  | <b>107 &amp; 108 TBD</b>    |   |   |  |
| GEOL 108 | Earth & Energy Resources (OL)     | 4 | + | + | + |  | <b>Summer offerings TBD</b> |   |   |  |
| GEOL 184 | First Year Experience (OL)        | 4 | + | + | + |  | +                           | + | + |  |
| GEOL 188 | Field Trips                       | 1 | + |   | + |  | +                           |   | + |  |
| GEOL 302 | Oceans and Atmosphere (OL)        | 4 | + |   | + |  | +                           |   | + |  |
| GEOL 303 | Water Wars (OL)                   | 5 |   | + |   |  |                             | + |   |  |
| GEOL 304 | Geological Sciences Seminar       | 1 | + | + | + |  | +                           | + | + |  |
| GEOL 377 | Regional Natural History (w/ lab) | 5 |   |   |   |  |                             |   |   |  |
| GEOL 388 | Field Trips (Hawaii)              | 2 |   |   |   |  |                             | + |   |  |

**Classes with only an intro class as prerequisite**

|          |                                 |   |   |   |   |  |   |   |   |  |
|----------|---------------------------------|---|---|---|---|--|---|---|---|--|
| GEOL 201 | Climate and Water               | 3 | + |   |   |  | + |   |   |  |
| GEOL 202 | Natural Hazards and Tectonics   | 3 |   | + |   |  |   | + |   |  |
| GEOL 203 | Earth History                   | 3 |   |   | + |  |   |   | + |  |
| GEOL 210 | Intro. Geologic Field Methods   | 4 | + |   |   |  | + |   |   |  |
| GEOL 371 | Paleobiology                    | 4 |   | + |   |  |   | + |   |  |
| GEOL 386 | Geomorphology                   | 5 |   |   | + |  | + |   |   |  |
| GEOL 392 | Lab Exper. Teaching Phys. Geol. | 1 | + | + | + |  | + | + | + |  |

**Core & Elective classes not listed above**

|          |                                 |   |   |   |   |  |   |   |   |  |
|----------|---------------------------------|---|---|---|---|--|---|---|---|--|
| GEOL 306 | Communicating Geoscience        | 3 |   |   |   |  |   |   |   |  |
| GEOL 320 | Rocks & Minerals                | 5 | + |   |   |  | + |   |   |  |
| GEOL 346 | Mineralogy                      | 5 |   | + |   |  |   | + |   |  |
| GEOL 351 | Pacific Northwest Geology       | 3 |   |   | + |  |   |   |   |  |
| GEOL 360 | Structural Geology              | 5 |   |   | + |  |   |   | + |  |
| GEOL 370 | Sedimentology & Stratigraphy    | 5 | + |   |   |  | + |   |   |  |
| GEOL 382 | Earth Resources and Pollution   | 4 |   |   |   |  |   |   | + |  |
| GEOL 384 | Ocean, Atmosphere, & Climate    | 4 |   |   |   |  |   | + |   |  |
| GEOL 415 | Earthquake Geol. & Neotectonics | 5 |   |   |   |  |   | + |   |  |
| GEOL 423 | The Cryosphere                  | 5 |   |   |   |  |   |   |   |  |
| GEOL 425 | Environmental Geochemistry      | 5 |   |   |   |  |   |   | + |  |
| GEOL 432 | Field Geodesy                   | 3 |   |   |   |  | + |   |   |  |
| GEOL 445 | Hydrogeology                    | 5 |   | + |   |  |   | + |   |  |
| GEOL 453 | Seismology                      | 5 |   | + |   |  |   |   |   |  |
| GEOL 456 | Geodynamics                     | 5 |   |   |   |  |   |   |   |  |
| GEOL 470 | Fluvial Geomorphology           | 4 | + |   |   |  |   |   |   |  |
| GEOL 472 | Coastal Geomorphology           | 4 |   |   | + |  |   |   |   |  |
| GEOL 474 | Quaternary Geology              | 4 |   |   |   |  |   |   |   |  |
| GEOL 475 | Petrography & Petrogenesis      | 5 | + |   |   |  |   |   |   |  |
| GEOL 477 | Tsunami Seminar                 | 2 |   | + |   |  |   |   |   |  |
| GEOL 478 | Volcanology                     | 5 |   |   |   |  |   |   | + |  |
| GEOL 481 | Critical Minerals and Society   | 4 |   |   |   |  | + |   |   |  |
| GEOL 483 | Isotope Geochemistry            | 5 |   |   | + |  |   |   |   |  |
| GEOL 484 | Geochronology                   | 5 |   |   |   |  | + |   |   |  |
| GEOL 487 | End of Major Review Seminar     | 1 |   | + |   |  |   | + |   |  |
| GEOL 489 | Geologic Field Methods          | 6 |   |   | + |  |   |   | + |  |
| GEOL 492 | Exp. Teaching Upper-level Geol  | 2 | + | + | + |  | + | + | + |  |
| GEOL 493 | Field Methods in Env. Geology   | 4 |   |   | + |  |   |   |   |  |
| GEOL 498 | Climate Project                 | 2 |   |   |   |  |   |   | + |  |
| GEOL 498 | Living With Volcanoes Seminar   | 2 | + |   |   |  |   |   |   |  |

|                 |   |   |
|-----------------|---|---|
| <b>GEOL 415</b> | Earthquake Geol. & Neotectonics (landslides?) | 5 |
| <b>GEOL 423</b> | The Cryosphere                                | 5 |
| <b>GEOL 425</b> | Environmental Geochemistry                    | 5 |
| <b>GEOL 432</b> | Field Geodesy                                 | 3 |
| <b>GEOL 445</b> | Hydrogeology                                  | 5 |
| <b>GEOL 453</b> | Seismology                                    | 5 |
| <b>GEOL 456</b> | Geodynamics                                   | 5 |
| <b>GEOL 470</b> | Fluvial Geomorphology                         | 4 |
| <b>GEOL 472</b> | Coastal Geomorphology                         | 4 |
| <b>GEOL 474</b> | Quaternary Geology                            | 4 |
| <b>GEOL 475</b> | Petrography & Petrogenesis                    | 5 |
| <b>GEOL 477</b> | Tsunami Seminar                               | 2 |
| <b>GEOL 478</b> | Volcanology                                   | 5 |
| <b>GEOL 481</b> | Critical Minerals and Society                 | 4 |
| <b>GEOL 483</b> | Isotope Geochemistry                          | 5 |
| <b>GEOL 484</b> | Geochronology                                 | 5 |
| <b>GEOL 493</b> | Field Methods in Env. Geology                 | 4 |
| <b>GEOL 498</b> | Climate Project                               | 2 |
| <b>GEOL 498</b> | Living With Volcanoes Seminar                 | 2 |

**Graduate-only courses**

|                 |   |   |
|-----------------|---|---|
| <b>GEOL 501</b> | Current Topics in Geology                       | 3 |
| <b>GEOL 502</b> | Regional Field Geology of the Pacific Northwest | 2 |
| <b>GEOL 503</b> | Introductory Graduate Research Methods          | 3 |
| <b>GEOL 504</b> | Geological Sciences Seminar                     | 1 |
| <b>GEOL 565</b> | History of Geology Seminar                      | 2 |

**number of credits grad elective**  
**number of credits grad required**

total

Fall 2022 Winter Spring Fall 2023 Winter Spring

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|---|---|---|---|---|---|
|   |   |   |   | 1 |   |
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|   |   |   |   |   | 1 |

Fall 2022 Winter Spring Fall 2023 Winter Spring

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|----|----|----|----|----|----|
| 11 | 12 | 13 | 12 | 10 | 14 |
| 6  | 4  | 1  | 6  | 4  | 1  |
| 17 | 16 | 14 | 18 | 14 | 15 |
|    |    | 47 |    |    | 47 |