**Geology**

The following are the current SLOs for the undergraduate geology option. They will likely be slightly revised in 2011-2012. We recognize that there is a deficiency in mastery of some of the SLOs because changes in the curriculum removed the capstone experience and a replacement has not yet been implemented.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Program Courses |  | SLO 1: Students can demonstrate conceptual understanding of different earth materials and the processes that shape them throughout their history. | SLO 2: Students can demonstrate skills in standard data-gathering and data-analysis methods in both lab and field settings. | SLO 3: Students can identify geologic problems and develop testable hypotheses that would aid in their solution both independently and in collaboration with others. | SLO 4: Students can present polished summaries, both written and oral, of their geological discoveries. |
| GEOL 101/102 | Geology of Planet Earth & Lab | I | I |  |  |
| GEOL 110/112 | Earth and Life through Time & Lab | I | I |  |  |
| GEOL 207/L | Mineralogy | D | I | I |  |
| GEOL 235 | Field |  | I, D | I | D |
| GEOL 307/L | Petrology | D | D | D |  |
| GEOL 310/L | Structure | M | D | D | D |
| GEOL 341/L | Sedimentary | D | M | D | I |
| GEOL 351/L | Paleontology | D | D | D | D |
| GEOL 443/L | Stratigraphy | M | M | M | D |
| GEOL 450 | Summer Field | M | M | M | M |
| GEOL 464/L | Geophysics |  | D, M | D, M |  |