

Annual Academic Assessment Report
Department of Geosciences (GEOS)
BS GEOLOGY (GEOLBS)
May 2018

Report annually to the Dean of the college/school the following:

Assessment Results

- GEOS 4686 is a 6-credit hour required field course conducted in the northern Rocky Mountains, southwestern Montana, northern Montana, and Wyoming. This six-week capstone course is project based and incorporates all aspects of geology that the students have learned throughout their program of study. Projects include rock and mineral identification, stratigraphic and structural mapping, preparation of detailed geologic maps and cross-sections, identification of mineral and ore emplacement, mapping and evaluation of geomorphic features resulting from glacial and stream erosion and deposition, and environmental investigation of acid mine drainage impacts associated with ore mineral development. Written reports presenting the data collected and detailing the students findings and interpretations are required for several of the field based projects throughout the six-week period. Some of these are individual written reports and others are team reports, exposing the students to working in diverse teams such as they will encounter when they join the workforce.
 - For summer 2017 the field camp had 23 students, 16 from UA and 7 from other universities. All successfully completed the course.
 - GEOS 4924 Earth System History is the other capstone course for GEOLBS. In 2017/8 there were 23 in the course with grades of A 4, B 10, C 4, D 3, F 1 and incomplete 1.
- Score gains from pre and post tests are used as a primary assessment mechanism for students in GEOS 1113 – introductory geology and for GEOS 1133 – earth science.
 - This is reported separately in the core course assessment report
- Course grades – standard routine method used in each course in our program.
 - Ongoing
- Admission rates into graduate programs and quality of the graduate program accepting our students.
 - Currently coordinating with careers office to find a plan to capture this information
- Placement rates of graduates into appropriate career positions and starting salaries.
 - Currently coordinating with careers office to find a plan to capture this information
- Student/alumni satisfaction with learning, collected through surveys, exit interviews, or focus groups – track our students to the extent possible. We also

have an external advisory board that provides feedback annually on our curriculum and the quality of the students graduating from our program.

- Currently coordinating with careers office to find a plan to capture this information
- Student participation rates in faculty research, publications and conference presentations.
 - Approximately 15 GEOLBS students participated in faculty research during this reporting period
- Honors, awards, and scholarships earned by students and alumni.
 - Currently there are 13 GEOL BS Honors students with
 - Double major in Physics 3
 - Minor in Sustainability 3, Geography 1, English 1, Chemistry 1, Music 1
- **Any changes to degree/certificate planned or made on the basis of the assessment and analysis**
 - No changes anticipated based on current year assessment
- **Any changes to the assessment process made or planned.**
 - No changes anticipated based on current year assessment