

University of Minnesota Morris Digital Well

University of Minnesota Morris Digital Well

Assessment of Student Learning Reports

Assessment of Student Learning Committee
(Inactive)

Spring 2017

Geology Discipline 5-Year Assessment Plan 2016-2021

Geology Discipline

Follow this and additional works at: https://digitalcommons.morris.umn.edu/aslc_reports

Recommended Citation

Geology Discipline, "Geology Discipline 5-Year Assessment Plan 2016-2021" (2017). *Assessment of Student Learning Reports*. 144.

https://digitalcommons.morris.umn.edu/aslc_reports/144

This Report is brought to you for free and open access by the Assessment of Student Learning Committee (Inactive) at University of Minnesota Morris Digital Well. It has been accepted for inclusion in Assessment of Student Learning Reports by an authorized administrator of University of Minnesota Morris Digital Well. For more information, please contact skulann@morris.umn.edu.

Academic Program: Geology

Academic Division: Science and Mathematics

Program Contact:

Name: J. Cotter

Phone: x 6312

Email: cotterjf@morris.umn.edu

In the space below, list your Program Student Learning Outcomes (PSLOs):

1. Students will be able to describe the evolution of the Earth as a planetary body using the fundamental geologic principles that are used to reconstruct Earth history.
2. Students will exhibit the ability to recognize geologic features and Earth materials, and to infer the processes responsible for their formation.
3. Students will effectively apply skills to solve geologic problems using observations to interpret geology in a natural setting,
4. Students will be able to read, evaluate and incorporate in their research current geologic literature.
5. Students will demonstrate skill in oral and written presentation of geologic knowledge

Enter Academic Program Name:				
Program Student Learning Outcome(s) to be assessed	How will you measure the outcome?	Where will the data be collected and by whom?	When will the data be collected?	Overlap with CSLOs?*
<p>2016-17</p> <p>PSLO 5</p>	<p>Geol 4902 - Geology Senior Seminar Presentations</p> <p>Stephen Crabtree will collect the data. Skill in oral presentation will be assessed in the senior seminar presentations, using a combination of audience feedback forms and faculty discussion.</p> <p>Skill in written presentations will be assessed based on submitted paper and bibliography.</p> <p>Collection throughout Spring Semester, finished in May 2017.</p>			<p>2d, 4a, 4b, 4c, 4d</p>
<p>2017-18</p> <p>PSLO 3</p> <p>PSLO 4</p>	<p>Approved Geology Field Camp</p> <p>The Geology coordinator will collect Field Camp grades and administer a post-field camp survey. The survey will collect data on: type of field experience, duration of projects, field skills learned and used, and student assessment of the field camp experience.</p> <p>Geol 4901 - Geology Senior Seminar</p> <p>Stephen Crabtree will collect the data. Skill in familiarization with current geologic literature will be assessed in the senior seminar discussions, using a combination of faculty evaluation of course discussions, reading notebook grades and assessment of student interpretation of literature for senior seminar presentation.</p> <p>Collection throughout the academic year, finished in May 2018.</p>			<p>2b, 3a, 4b, 4c,</p> <p>2d, 2f, 4a, 4b, 4c, 4d</p>

<p>2018-19</p> <p>PSLO 1</p>	<p>Knowledge about the evolution of the Earth as a planetary body will be assessed using data collected from Geology majors who took Geol 1101 - Physical Geology.</p> <p>Knowledge about the fundamental geologic principles used to reconstruct Earth history will be assessed using data collected from Geology majors who took Geol 2151 – Historical Geology.</p> <p>The Geology coordinator will collect the data. Collection throughout the academic year, finished in May 2019.</p>	<p>1a, 1b, 1c, 2a,2b, 3d, 3e</p> <p>1a, 1b, 1c, 2b, ,3d, 3e,</p>
<p>2019-20</p> <p>PSLO 2</p>	<p>Student ability to recognize geologic features and to infer the processes responsible for their formation will be assessed using data collected from Geology majors who took Geol 2131 - Geomorphology. Cotter will collect the data.</p> <p>Student ability to recognize earth materials and to infer the processes responsible for their formation will be assessed using data collected from Geology majors who took Geol 2101 – Mineralogy and Geol 2111 – Igneous and Metamorphic Petrology. Crabtree will collect the data. Collection throughout the academic year, finished in May 2020.</p>	<p>1b, 2f, 4b, 4c</p> <p>1b, 2f, 4b, 4c</p>
<p>2020-21</p>		

*CSLOs are Campus Student Learning Outcomes. These are reprinted below for your convenience. Your PSLOs need not overlap with CSLOs, but if your PSLO does reinforce or overlap with a CSLO, please report that information.

Please report any other planned assessment for your academic program in the space below:

UMM Campus Student Learning Outcomes (CSLOs)

Approved Unanimously by the Curriculum Committee, December 10, 2009

Approved by Campus Assembly, March 3, 2010

The University of Minnesota, Morris's goal is for students to have gained, by the time of graduation:

1. Knowledge of Human Cultures and the Physical and Natural World through:

- a) Core studies in the liberal arts: arts, histories, humanities, languages, mathematics, sciences, and social sciences
- b) In-depth study in a particular field: its schools of thought, advanced theories, language, and methods of inquiry
- c) Engagement with big questions, both contemporary and enduring

2. Intellectual and Practical Skills, practiced extensively across students' college experiences, including:

- a) Inquiry and analysis
- b) Critical thinking and problem-solving
- c) Creative thinking and artistic expression
- d) Written, multi-media, and oral communication
- e) Quantitative literacy
- f) Information and technology literacy
- g) Collaboration

3. An Understanding of the Roles of Individuals in Society, through active involvement with diverse communities and challenges, including:

- a) Civic knowledge and engagement—local and global
- b) Intercultural knowledge and competence
- c) Aesthetic/artistic engagement
- d) Environmental stewardship
- e) Ethical reasoning and actions

4. Capacity for Integrative Learning, including:

- a) Synthesis and advanced accomplishment across general and specialized studies, and through coand extra-curricular activities
- b) Application of knowledge, skills, and responsibilities to new settings and progressively more complex problems
- c) Skills for sustained learning and personal development