

Assessment: Course Four Column



Courses (SCI) - Geology

GEOL 101:Geol: Explor Planet Earth

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Recognize and identify common rocks and minera - Recognize and identify common rocks and minerals.</p> <p>Critical Thinking – Reasoning and Independent Thought</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p>	<p>Quiz - Mineral Identification Quiz</p> <p>Criterion: 70% of students earned 70% or better</p>	<p>Reporting Period: 2017-2018</p> <p>Criterion Met: No</p> <p>50% of students earned a 70% or better on the Mineral ID quiz. The average of this quiz was a 68%.</p> <p>81% of the students earned a 70% or better on the Rock ID quiz. The average of this quiz was a 76%.</p> <p>Results Analysis: Holy smokes, this is interesting! The mineral quiz is the first lab quiz of the semester and students did not do well. However, only one student dropped prior to taking the second lab quiz and look at the improvement! Awesome! This means students know what to expect with the second lab quiz and take it seriously. (02/05/2019)</p>	<p>Action: Spend more time on mineral lab activities. Encourage online students to participate/engage in online discussions/questions to help prepare for quiz. Provide examples of what the quiz will be like so they can better prepare. (02/05/2019)</p>
<p>Theory of Plate Tectonics and how it relates to the Scientific Method - Describe the theory of Plate Tectonics and how it relates to the Scientific Method.</p> <p>Critical Thinking – Scientific Understanding</p> <p>Communication Skills</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2022-2023</p>	<p>Exam - Exam 1</p> <p>Criterion: 60% of students earned 70% or better</p>	<p>Reporting Period: 2017-2018</p> <p>Criterion Met: Yes</p> <p>60% of students earned a 70% or better. The average on this exam was 67%.</p> <p>Results Analysis: The criterion is lower for the first exam because some students don't realize the rigor of a 4 credit science course. (02/05/2019)</p>	<p>Action: Talk to advisors and encourage them to have students take GEOL 101 live or IAV. Send announcements at beginning of semester acknowledging the rigor and amount of time involved with GEOL 101 coursework. (02/05/2019)</p>
<p>Three rock types and describe the</p>			

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<p>various environments in which they form - Identify the three rock types and describe the various environments in which they form.</p> <p>Critical Thinking – Reasoning and Independent Thought Communication Skills Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exam 2 Criterion: 65% of students earned 70% or better</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 65.3% of students earned a 70% or better.</p> <p>The average on this exam was a 75%</p> <p>Results Analysis: This exam is given a week prior to the withdraw deadline. Since exam 1, 4 students withdrew. (02/05/2019)</p>	<p>Action: Try to retain students lost between exams 1 and 2. (02/05/2019)</p>
<p>Effects of geologic processes acting within the Earth and describe these processes using appropriate terminology - Recognize and identify the effects of geologic processes acting within the Earth and describe these processes using appropriate terminology.</p> <p>Critical Thinking – Reasoning and Independent Thought Communication Skills Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exam 3 Criterion: 70% of students earned 70% or better</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes 70.37% of students earned a 70% or better on Exam 3. The average of the exam was a 74%.</p> <p>Results Analysis: 1. Seriously, I didn't 'fix' the results here. The criterion was based on teaching this course for 13 years and my observations with grades throughout that time period. 2. No students withdrew between exam 2 and 3. (02/05/2019)</p>	<p>Action: Attempt to increase % of students earning 70% or better. Tell students to keep working hard, use tutors. (02/05/2019)</p>
<p>Effects of geologic processes acting on the Earth's surface using appropriate terminology - Recognize and identify the effects of geologic processes acting on the Earth's surface using appropriate terminology.</p> <p>Personal/Cultural Awareness – Sense of Accountability Communication Skills Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - Exams 4 Criterion: 70% of students earned 70% or better</p>	<p>Reporting Period: 2017-2018 Criterion Met: No 63% earned a 70% or better. The average on this exam was a 76%</p> <p>Results Analysis: I often see grades drop on the last exam of the semester. Finals week is tough, and students are studying for multiple exams AND they are tired. The average score on the exam was the best of the semester though. No additional students withdrew. (02/05/2019)</p>	<p>Action: Encourage students to stay in the game and keep studying. (02/05/2019)</p> <p>Follow-Up: In the past, I only examined the average grade on exams or quizzes. I think the approach I used in this assessment is more interesting because it points out that we have a bimodal distribution of grades. Students who do really well, and students in the 'D' range. Many of the students who don't do well, stick it out throughout the whole semester</p>

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and end up getting by with a 'D' due to homework and additional assignments. In the future, I will focus more on the students who struggle to help find ways to improve their grades.
(02/05/2019)