

Assessment: Course Four Column



Courses (SCI) - Biology

BIOL 410:Plant Physiology

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Plant structure - function correlations - Plant structure - function correlations Course Outcome Status: Active Next Assessment: 2020-2021 Start Date: 09/28/2016</p>	<p>Exam - Primarily essay exam one, which focused on anatomy and water potentials as related to water acquisition and transport. Criterion: Average scores in excess of 70% or higher.</p>	<p>Reporting Period: 2015-2016 Criterion Met: Yes Average score on this exam was 84% However one student scored 67% (09/28/2016)</p>	<p>Action: However, students were taken by surprise by difficulty level, resulting in poor performance by some. Prepare students for exam format and expectations. (09/28/2016)</p>
<p>Comprehension of plant processes. - Comprehension of plant processes. Course Outcome Status: Active Next Assessment: 2020-2021 Start Date: 09/28/2016</p>	<p>Exam - Essay exams two and three, focused on physiology of mineral acquisition, photosynthesis and plant hormones. Criterion: Average scores in excess of 70% or higher.</p>	<p>Reporting Period: 2015-2016 Criterion Met: Yes Average score on these exams was 84% Student scores much more consistent, coefficient of variation 9% for exam 2, 20% on exam 3. (09/28/2016)</p>	<p>Action: However, one student's performance steadily declined due to work related interference. (09/28/2016)</p>
<p>Analytic Use of Observation and Critical Thinking - Analytic Use of Observation and Critical Thinking Course Outcome Status: Active Next Assessment: 2020-2021 Start Date: 09/28/2016</p>	<p>Exam - Lecture exams with written summaries of primary literature Criterion: Average scores in excess of 70% or higher with effective communication and in class discussion.</p>	<p>Reporting Period: 2015-2016 Criterion Met: Yes Overall average of 86%, including the student (1 of 5) who faded as semester progressed. Discussion of literature demonstrated facility both oral and written. (09/28/2016)</p>	
<p>Scientific Terminology - Scientific Terminology Course Outcome Status: Active Next Assessment: 2020-2021 Start Date: 09/28/2016</p>	<p>Assignment - Project - Analysis of primary literature Criterion: Analysis of primary literature</p>	<p>Reporting Period: 2015-2016 Criterion Met: No Partial success. Literature selected was challenging for students without guidance. (09/28/2016)</p>	<p>Action: More literature reviews!! (09/28/2016) Follow-Up: This relatively small group of students needed a lot of handholding. Some were not well prepared, and one had serious</p>

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work conflict problems. The pace was necessarily slow, and I did not incorporate enough primary and secondary literature to get the students where I wanted them.

In the future, I plan to incorporate more smaller bite sized secondary literature into the early phases of the course, and retain an in depth literature review for the end. (09/28/2016)