

Natural Sciences Degrees

AS Environmental Studies

#1	AS Environmental Studies Degree Student Learning Outcome Apply the Scientific Method to the processes of learning and problem solving.
	Assessment Measure for this Outcome The completion of questions one through seven on Laboratory Seven (Air Resources and Air Pollution) on the laboratory section of Biology 2406.
	Achievement Target for this Measure
	Findings
	Related Action Plans
#2	AS Environmental Studies Degree Student Learning Outcome Correlate Scientific Principles with life experiences, including Science Professions.
	Assessment Measure for this Outcome Student completion of Biology 2406 homework essays numbers 7, 8, 10, 12, 13, 14, 15, 16, 17, 18, and 22.
	Achievement Target for this Measure
	Findings
	Related Action Plans

#3	<p>AS Environmental Studies Degree Student Learning Outcome</p> <p>Correlate laboratory techniques and technology with Science concepts.</p>
	<p>Assessment Measure for this Outcome</p> <p>The completion of Laboratory Six (Population and Population Dynamics), questions twenty-six through fifty-five of the laboratory section of Biology 2406.</p>
	Achievement Target for this Measure
	Findings
	Related Action Plans



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#1	<p>AS Environmental Studies Degree Student Learning Outcome</p> <p>Students will evaluate both perpetual/renewable energy resources and nonrenewable resources giving advantages and disadvantages of the utilization of both as a source of power in the future.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>BIOL 2306</p>
	<p>Assessment Measure for this Outcome</p> <p>Specific questions on Exam #5 for BIOL 2306</p> <p>Student responses will be assessed using the rubric: Exceeds Expectations, Meets Expectations, Does Not Meet Expectations</p>
	<p>Achievement Target for this Measure</p> <p>70% of the responses for the questions will either Exceed Expectations or Meet Expectations</p>
	<p>Findings:</p> <ul style="list-style-type: none">• There were 48 students enrolled in the 3 on campus sections I taught.• Of the 48 students enrolled in on campus sections, 43 took exam #5.• On exam 5, students were to select 2 of 3 discussion questions, therefore not all students would select the energy question. The number of students selecting the question was 21.• The number of students meeting expectations (scoring at least a 7 out of 10 on this question) was 15.• This calculates to be 71.4%• The online students take their course through a learning management system (LMS) called Blackboard Vista.• The discussions are randomly selected by the LMS.• On Exam 5, there were 9 of 14 discussion questions on energy resources.• Of 16 students, 13 took exam 5.• There were 12 students that had an energy question.• A total of 28 questions were asked of these 12 students with 16 questions being answered at a level that meets expectations.• This calculates to be a success rate of 57% for online students meeting expectations.
	<p>Related Action Plans</p> <ul style="list-style-type: none">• For online class sections, I need to reprogram the exam to include a mandatory question that all students will be offered.• Develop at least one more program outcome and assess it on the next program assessment cycle



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