

Program Assessment Report 2016-2017

Program: Environmental Science

Program Learning Description

3). Environmental Science majors will have an appreciation of the social and economic implications of environmental science.

Identify the artifact(s) (i.e. student work or outputs) that you used to assess the PLO. [Projects, papers, presentations, portfolios, exam questions, specific assignments, capstone work]

Curriculum assessment

Other artifact(s)

Identify the instruments (e.g. rubrics, surveys, spreadsheets, statistical software) used to assess the artifact(s) (i.e. the way in which student output are analyzed).

Collection of assessment data in the form of course grades from NSCI 201 (Science and the Human Environment)

Other instruments Used

Describe program collaboration to plan, implement and use the results of assessment.

Explain the results of the assessment activities.

Where applicable, outline the steps you will take to make improvements to the program based on the results of assessment activities identified in #3.

100% of majors earned a C or better in NSCI 201

Are there any new resources needed to create program improvements? If so, please include the resources that you will request in the Budget section of the Annual Report.

Establish a committee of faculty with expertise in environmental science to unify efforts in teaching and assessing this PLO.

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Program Learning Description

4). Environmental Science majors have a sound knowledge of sustainability and how science can contribute to sustainable development.

Identify the artifact(s) (i.e. student work or outputs) that you used to assess the PLO. [Projects, papers, presentations, portfolios, exam questions, specific assignments, capstone work]

Collection of assessment data in the form of sustainability questions on exams from courses within the major.

Other artifact(s)

Identify the instruments (e.g. rubrics, surveys, spreadsheets, statistical software) used to assess the artifact(s) (i.e. the way in which student output are analyzed).

At least 70% or better on response grades.

Other instruments Used

Exam Questions

Describe program collaboration to plan, implement and use the results of assessment.

Explain the results of the assessment activities.

Where applicable, outline the steps you will take to make improvements to the program based on the results of assessment activities identified in #3.

Ninety one percent of students achieved this outcome in BIOL 274 (Conservation Biology) and 100% achieved this outcome in BIOL 374 (Ecology).

Eighty percent of students achieved this outcome in CHEM 232L (Organic Chemistry I Lab) and 75% of students achieved this outcome in CHEM 233L (Organic Chemistry II Lab).

Are there any new resources needed to create program improvements? If so, please include the resources that you will request in the Budget section of the Annual Report.

Add sustainability questions to quizzes and/or exams to enhance learning.

