

# 2016-2017 Assessment Cycle COS\_Environmental Science BS

## Mission (due 1/20/17)

### University Mission

The University of Louisiana at Lafayette offers an exceptional education informed by diverse worldviews grounded in tradition, heritage, and culture. We develop leaders and innovators who advance knowledge, cultivate aesthetic sensibility, and improve the human condition.

### University Values

We strive to create a community of leaders and innovators in an environment that fosters a desire to advance and disseminate knowledge. We support the mission of the university by actualizing our core values of equity, integrity, intellectual curiosity, creativity, tradition, transparency, respect, collaboration, pluralism, and sustainability.

### University Vision

We strive to be included in the top 25% of our peer institutions by 2020, improving our national and international status and recognition.

### College / Department / Program Mission

#### College Mission

*Provide the college mission in the space provided. If none is available, write "None Available in 2016-2017."*

Our mission is to serve our students, the citizens of Louisiana, the nation, and the world, through innovative and stimulating educational experiences and compelling research initiatives that create knowledge, deepen our basic understanding of the world around us, further economic development, and enhance quality of life. In support of our mission, The College of Sciences seeks to:

Develop broad-thinking students into mature, ethical professionals, scientists, and researchers with the necessary creativity, critical thinking, and problem solving skills required to make significant contributions to industry, government, and the academic sector.

Recruit and support top-notch teaching and research faculty engaged in scientific endeavors that are recognized nationally for their relevance and impact.

Enrich scientific research and education through on-campus collaborations, multidisciplinary programs, large-scale multi-institution initiatives, as well as partnerships with government and industry.

Foster scientific literacy within the University, the citizens of Louisiana, and the nation by providing stimulating courses for our students and by partnering with educators at the K-12 and community college level.

Provide leadership in the translation and application of research into practical solutions that will benefit our local community, the state of Louisiana, our natural environment, industries of the Gulf Coast region, and society as a whole.

The Ray P. Authement College of Sciences will emerge as a preeminent college of sciences in the Southeast and Gulf Coast region of the United States. The College will be recognized nationally for its innovative education, scholarly research activities addressing our nation's grand challenges, and for its diverse student body with exemplary academic achievements, leadership abilities, and global perspectives.

#### Department / Program Mission

*Provide the department / program mission in the space provided. If none is available, write "None Available in 2016-2017".*

Preparation of environmental science work force with very high level of work quality, problem solving skills, and capability

for integration and the application of knowledge gained to enhance environmental quality and sustainability.

## Assessment Plan (due 1/20/17)

### Assessment List (Goals / Objectives, Assessment Measures and Criteria for Success)

#### Assessment List

Goal/Objective	(1) Students will demonstrate high level of work quality. (2) Students will demonstrate problem solving skills. (3) Students will demonstrate practical application of theoretical knowledge gained.		
Legends	SLO - Student Learning Outcome/Objective (academic units);		
Standards/Outcomes			
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Attachments</b>
	Direct - Internship Evaluation	Until now, the ENVS 472 (3, 0, 3) is a mandatory course for the environmental science students. Each student has to do an internship with off-campus agency/organization for 200 hours to complete this course. The supervisors/cooperators of the students are requested to rate their respective interns in terms of various criteria including attendance, punctuality, general attitude, work quality, appearance, attitude toward suggestions, initiative, problem solving skills, practical application of theoretical knowledge, and professionalism. Rating is done 1 - 5, 5 the best. The average scores on work quality, problem solving skills, and practical application will be used as measures of the assessment.	
	Direct - Internship Evaluation	Measures: Success will be considered if >75% of the student intern receive excellent on: (1) Work quality (2) Problem solving skills, and (3) Application of theoretical knowledge.	

## Results & Improvements (due 9/15/17)

### Results and Improvement Narratives

**Assessment List Findings for the Assessment Measure level for (1) Students will demonstrate high level of work quality. (2) Students will demonstrate problem solving skills. (3) Students will demonstrate practical application of theoretical knowledge gained.**

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		solving skills, and practical application will be used as measures of the assessment. been met yet? Not met	opposed to 70% in previous cycle.		
	Direct - Internship Evaluation	Has the criterion Measures: Success will be considered if >75% of the student intern receive excellent on: (1) Work quality (2) Problem solving skills, and (3) Application of theoretical knowledge. been met yet? Not met	A close study of the internship reports revealed that the interns in general were required to have some level of Problem Solving Skills on soil analysis and mapping, field surveys, plant identification, use of GPS/compass, radio telemetry, Excel data entry and charts, water testing, GIS skills, organizing public events, social skills, public speaking, communication skills (emails), reading research articles, and database management. We will discuss these issues in ENVS Faculty meeting and develop a plan for reinforcing these skills in existing curriculum.		

## Reflection (Due 9/15/17)

### Reflection

1) How were assessment results shared in the unit?

*Please select all that apply. If "other", please use the text box to elaborate.*

Distributed via email (selected)

Presented formally at staff / department / committee meetings (selected)

Discussed informally (selected)

Other (explain in text box below)

## **2) How frequently were assessment results shared in the unit?**

Frequently (>4 times per cycle)

Periodically (2-4 times per cycle)

Once per cycle (selected)

Results were not shared this cycle

## **3) With whom were assessment results shared?**

*Please select all that apply.*

Department Head (selected)

Dean / Asst. or Assoc. Dean

Departmental assessment committee

Other faculty / staff (selected)

## **4) What were the measurable or perceivable effects on your current (2016-2017) findings based on prior action plans (created in 2015-2016)?**

There was a good improvement on two criteria: Work Quality and Practical Application of Theoretical Knowledge. On both, average score (&3.3%) was close to the threshold level (i.e. 75% or more for "Success").

## **5) What has the unit learned from the current assessment cycle?**

Emphasis should be given in developing practical skills among the students through labs, class projects, homework assignments, hands-on training, and other suitable means.

## **Attachments**

### **Attachments**

**Upload any supporting documents related to your assessment plans, results, or improvements. Documents may include rubrics, survey questions, reports, etc. There is no limit to the number of documents you can upload.**

**Click "Select File" to upload document(s)**

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