

2016-2017 Assessment Cycle COS_Biology 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".

The Department of Biology aims to further scientific knowledge through extensive research and teaching. Its

undergraduate program is intended to provide a comprehensive background in the major disciplines in Biology. Nevertheless, curricula are structured with concentrations in Biology, Microbiology or Resource Biology and Biodiversity, with training leading to careers in postgraduate study in the biological sciences as well as professional programs including medicine, dentistry, optometry, physical therapy and physician assistant. Graduates of the undergraduate program earn a Bachelor's of Science degree. The graduate program endeavors to train future scientists and scholars in Environmental and Evolutionary Biology through extensive hands-on research opportunities coupled with intensive classroom instruction. Graduate opportunities include the Masters of Science and Doctor of Philosophy degrees.

Assessment Plan (due 1/20/17)

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

Assessment List

Goal/Objective	Compare the results of a general biology exam given to freshmen (Biol 112) and senior biology students (senior seminar).		
Legends	SLO - Student Learning Outcome/Objective (academic units);		
Standards/Outcomes			
Assessment Measures	Assessment Measure	Criterion	Attachments
	Direct - Pre/Post Test	The seniors will score 70% or greater on the exam and higher than the freshmen.	Pre__Post_Assessment_Exam_FA16.docx

Results & Improvements (due 9/15/17)

Results and Improvement Narratives

Assessment List Findings for the Assessment Measure level for Compare the results of a general biology exam given to freshmen (Biol 112) and senior biology students (senior seminar).

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Assessment Findings	<table border="1"> <thead> <tr> <th data-bbox="347 449 521 548">Assessment Measure</th> <th data-bbox="526 449 659 548">Criterion</th> <th data-bbox="664 449 797 548">Summary</th> <th data-bbox="802 449 1341 548">Attachments of the Assessments</th> <th data-bbox="1346 449 1521 548">Improvement Narratives</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 554 521 1692">Direct - Pre/Post Test</td> <td data-bbox="526 554 659 1692">Has the criterion The seniors will score 70% or greater on the exam and higher than the freshmen. been met yet? Met</td> <td data-bbox="664 554 797 1692">The average score for the freshmen biology majors on the pre test was 54.5% +/- 12.6 and the average score for non-biology majors was 50.2% +/-13.1. The average score for the post test for the seniors in biology was 72.9% +/- 9.8. The pre and post test were identical.</td> <td data-bbox="802 554 1341 1692">Pre_Post_summary_Fall_2016__Results.docx</td> <td data-bbox="1346 554 1521 1692">- Assessment Process: Results Discussed / Shared: Our committee will meet and discuss the results and decide where to go from here. The plan is to look at the individual scores for each question on the post test.</td> </tr> </tbody> </table>					Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	Direct - Pre/Post Test	Has the criterion The seniors will score 70% or greater on the exam and higher than the freshmen. been met yet? Met	The average score for the freshmen biology majors on the pre test was 54.5% +/- 12.6 and the average score for non-biology majors was 50.2% +/-13.1. The average score for the post test for the seniors in biology was 72.9% +/- 9.8. The pre and post test were identical.	Pre_Post_summary_Fall_2016__Results.docx	- Assessment Process: Results Discussed / Shared: Our committee will meet and discuss the results and decide where to go from here. The plan is to look at the individual scores for each question on the post test.
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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

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 (selected)

Other faculty / staff

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

We are going to look at the questions of the pre/post test and see how they align with the new pulse objectives that we are developing for the department. We also discussed looking at course objectives and aligning them with departmental objectives.

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

We have learned that some of our questions may not be assessing general biology knowledge. We are developing new objectives and will in the future possible change some of the questions to better align with our new departmental objectives.

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)

Comparision_of_Correct_Answers___Fall_2016.xlsx