

2016-2017 Assessment Cycle COS_Physics 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 mission for the Bachelor's of Science degree in Physics is to produce students who are well rounded, scientific

thinkers. In order to ensure this goal, we are implementing assessment tools to determine how well students are prepared in a few key areas: fundamental laws of physics, how well students assimilate physics material, communication and technical skills.

Assessment Plan (due 1/20/17)

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

Assessment List

Goal/Objective	All candidates for the B.S. Degree in Physics will be able to demonstrate knowledge of fundamental physical laws and ability to apply them to the solution of practical problems in physics and related fields.								
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Results & Improvements (due 9/15/17)

Results and Improvement Narratives

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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

Presented formally at staff / department / committee meetings (selected)
 Discussed informally
 Other (explain in text box below)

The assessment results will be shared at departmental meetings. The Physics Department as a whole will then be able to discuss any changes we would like to implement as a group.

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)?

We are continuing with our previous action plan which assesses students via seminar performance and how they perform on GRE style questions put into examinations during their coursework. These types of metrics are a standard means of assessing our students current status as well as creating a vehicle for measuring their readiness for possible graduate studies.

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

From the current cycle we see that the level of seminar performance, although adequate, can be improved. We will make certain to work more closely with students regarding what the expectations are for their presentations.

We will also try to increase the number of students who complete a GRE style questions embedded into final exams. Increasing the number of students who respond to these GRE style questions will give us a better measure of this assessment.

Attachments