

Core Curriculum Annual Assessment

Year	2022-23
Course number and Name:	PHYS 1407 Elementary Physics II
Component area:	Life and Physical Science
Number of sections offered:	
Number of students enrolled:	
Contact Person (include email & Phone#)	Dr. Phil Cole (Chair) pcole@lamar.edu 409.880.8292

Summary of Continuous Improvement Efforts since Last Report

Provide a brief description of how assessment results have been used for core course improvement. Point to a specific example of how an assessment provided the department with data it could use for improvement and what that improvement was, if possible, also show evidence of the improvement. You may look at data from the two previous academic years to support this case.

Respond here:

Course highlights Since Last Report

Identify and briefly discuss any changes made to the course since the last report.

- Since 2017, new lab equipment has been purchased, as needed, secured with HEF funding in the amount of \$6,000 per year, on average. This change supports student learning and success by upgrading the equipment that students use to perform experiments.
- Lab manuals for this course have been updated. In addition, lab manuals are written by department faculty and sold to students at a cost of \$25, which supports student success by reducing the financial burden of purchasing course materials.
- Using funding secured from a special grant by the Lamar University Provost, we increased the number of students per lab from 18 to 24. As each lab station has three students, lab sections now have a total of eight lab stations per section. This change makes the lab course more efficient by reducing teaching load, which frees up instructors to offer more office hours to support student engagement and success.

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Table 1. Assessment Results and Analysis for Current Cycle

Stage 1: PLAN			STAGE 2: DO		Stage 3: STUDY	
General Education Competencies Addressed in this Course:	Assessment Method(s) – e.g. pre/post tests, embedded questions, portfolio evaluation, rubric-scored essay; list only activities for which you are reporting assessment data	Proficiency – e.g. the proficient student will correctly answer 5 out of the 6 embedded questions on the final exam	Benchmark – e.g. 80% of students taking the final exam will correctly answer 5 of the 6 embedded questions on the final exam	Results of course assessment(s)	Analysis of results – e.g. strengths and weaknesses What does this data tell you? How will you use this data? How were data from the last cycle used to make changes during this cycle, and what were the results of those changes?	Recommendations for Course based on assessment
Communication (required)						
Critical Thinking (required)						
Select One: ___ Empirical & Quantitative Skills ___ Teamwork ___ Social responsibility ___ Personal Responsibility						
Select One:						

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___ Empirical & Quantitative Skills ___ Teamwork ___ Social responsibility ___ Personal Responsibility						
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Table 2. Continuous Improvement Results Since Last Report

STAGE 4: ACT		
Actions/Goals based on data results <i>*copy last cycles actions/goals and report on progress toward continuous improvement on those here</i>	Status <i>C=Complete</i> <i>P=Progressing</i> <i>N=No action taken</i>	Discussion of status <i>If C, describe efforts that led to accomplishment of actions/goals</i> <i>If P, provide update on progress made toward accomplishing actions/goals and what tasks remain</i> <i>If N, discuss why action toward accomplishing actions/goals has been delayed and what work will be initiated toward accomplishment.</i>