



PROGRAM REVIEW

RESOURCE GUIDE

Six-Year Review
Academic and Vocational Programs

SECTION 3

ASSESSMENT PLAN (*SAMPLE PROVIDED*)

includes: Program Learning Outcomes,
Assessment Methods, Alignment of Course SLOs, Assessment
Calendar,
Plan for Dissemination of Results



Assessment Plan

This part of the program review demonstrates alignment of courses with coverage of program student learning outcomes and lays out the program's plans for conducting assessments over the forthcoming five years.

Mission

The mission of the Department of Physics is to provide students with an education in the fundamental processes of the physical world with thorough study in both the classroom and laboratory.

Program Outcomes

Program SLO 1: Students will demonstrate knowledge in the fundamentals of physics (waves, mechanics, electricity, and magnetism) so that they are prepared for graduate study or professional work in physics, engineering, education and related fields.

Program SLO 2: Students will demonstrate the ability to analyze a variety of physics problems.

Program SLO 3: Students will be able to investigate an area of physics and explain that research to other students at a similar level.

Program SLO 4: Students will demonstrate technical skills needed for lab work in physics.

Program SLO 5: Students will demonstrate the ability to independently collect, analyze, evaluate and/or explain data concerning a question of current research interest.

Course/Program Alignment

Outcomes will be introduced, developed and practiced with feedback, and demonstrated at their highest levels as shown below. Outcomes 1 and 2 are assessed with an exam. This exam is given in P390/391. Outcome 2 is also assessed with alumni feedback obtained via survey. Outcome 3 is assessed in P390/391 using a rubric. Outcome 4 is assessed using a practicum exam at the end of the lab associated with P240. Outcome 5 is assessed for participating students by successful completion of research programs, and any resulting conference presentations, honors theses, and published paper. (Key: I= Introduced, D=Developed and practiced with feedback; M=Demonstrated at a specified mastery level)

	Outcomes				
	1	2	3	4	5
P106	I,D				
P110		I,D			
P120	D		I,D		
P240	D			I,D	
P250					I,D
P310	D	D	D	D	
P320		D			
P330	D		D		
P340	D			D	
P390	M	M	M	M	M
P391	M	M	M	M	M

Implementation of Assessment

Responsibility for implementing the assessment lies with the entire department. Confident that outcomes are reflected in actual coursework of your major/program, describe the mechanisms for assessment. Think of assessing your outcomes on a 4 or 5 year cycle. (If you have 10 outcomes assessing 2 a year is ideal.)

AssessmentCycle

Use one row for each Program outcome. *Your 6-Year assessment schedule can be inserted here, if you've already completed it.*

.Program Outcome	To be assessed in semester:	Assessment method (s)	Team to review assessment results	Resources needed to conduct assessment	Individual responsible for assessment report	Date we expect to complete review

Data for all outcomes will be collected every year, except for the alumni survey associated with Outcome 2. This will be collected every other year when we collect information for our alumni newsletter. Analysis of the data will follow the schedule given above.

The department chair is responsible for gathering the assessment data and insuring that discussion takes place.

Dissemination of Information

Results will be shared in a special department meeting once a year. This will occur near the end of the academic year as soon as exam data for the year are available. In addition, written summaries will be shared with the Learning Outcomes and Assessment Committee, the dean, and the Vice President, Academic Affairs.