

Learning Goals for the Physics minor

Students will

1. Demonstrate a solid understanding of the core principles and concepts of physics at an introductory level;
2. Apply mathematical, analytical, computational, and experimental skills to model the behavior of physical systems, solve a wide range of physics problems, design and conduct experiments to measure and interpret physical phenomena, and to critically evaluate scientific results and arguments;
3. Effectively communicate scientific hypothesis, research methods, data and analysis both orally and in writing and in a variety of venues;

Alignment with Academic Learning Goals

Graduates will	1	2	3
Demonstrate an integrative knowledge of the human and natural worlds;	X		
Develop habits of critical analysis and aesthetic appreciation;		X	
Apply creative and innovative thinking;		X	
Communicate skillfully in multiple forms of expression;		X	X
Act competently in a global and diverse world;			
Understand and promote social justice;			
Apply a framework for examining ethical dilemmas;			
Employ leadership and collaborative skills;			
Understand the religious dimensions of human experience.			

Alignment with Assessment Measures

Measure	1	2	3
Pre/Post Diagnostics Exams (FCI in PH135, BEMA in PH136)	Direct		
Course-Embedded Assessment: Written and Oral Report (PH247)		Direct	Direct
Exam Problems		Direct	
Course Evaluations		Indirect	