	Program Assessment Plan for Physics
Program Mission	The mission of the Department of Physics and Electrical Engineering is to provide comprehensive undergraduate programs in Physics, Electrical Engineering, Computer Engineering, Biophysics, Engineering Management, and Pre-engineering. The Department is committed to providing an environment in which our students attain the knowledge and skills to contribute to and thrive in their chosen profession. This environment includes a full spectrum of courses, providing a framework and foundation, research and internship opportunities to foster the application and expansion of knowledge and skills, mentoring and advising to promote personal and intellectual growth and opportunities to reach out to the local and regional community to reinforce a commitment to ethical, professional and socially conscientious practices. The Department of Physics and Electrical Engineering seeks to support the overall mission of The University of Scranton and the College of Arts and Sciences to provide a transformative educational experience for our students firmly rooted in the Jesuit intellectual tradition.
Curriculum	The curriculum provides more than one opportunity for students to meet the Program Learning Objectives
KeyCourses And Assignments	ETS TestingPhys 150, Phys 140/140L, Phys 141/141L, Phys 270/270L, ENGR 253L, ENGR 254LPhys 350, Phys 352, Phys 371, Phys 372, PHYS 447, PHYS 448/448L, PHYS 493, PHYS 494Electives including: PHYS 404, PHYS 255, PHYS 360, Optics, Cosmology, EE 241

Program Learnir	ng Outcomes to be Assessed
PLO	1).Knowledge: The student will demonstrate knowledge and comprehension in several basic and applied fields of Physics.ILOs to which the PLOs map1,3
Year:	Year 2 AY 2015-16
Is the evidence D	Direct or Indirect Both direct and indirec
Where in the program does the evidence reside? Department files stored in LSC 235	
What tools are r	necessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) ETS in Physics will be administered to gradu
Benchmark	s TBD
ListOfSourc	Aggregate scores on embedded questions; scores on standardized tests; course exit survey

## Program Learning Outcomes to be Assessed

,	Ilos to which the PLOs map 1,3 n several basic and applied fields of Physics.
Year 2 AY 201	5-16
dence Direct or Indirect	Both direct and indirec
Where in the program does the evidence reside? Department files stored in LSC 235	
ols are necessary to colle	ct evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) No special tools required
chmarks TBD	
OfSources Aggregat	te scores on embedded questions; scores on standardized tests; course exit survey
	solving skills in Year 2 AY 201 dence Direct or Indirect the program does the ev ols are necessary to colle chmarks TBD

Program Learning	g Outcomes to be Assessed	
PLO	3).Laboratory Work: The Student will demonstrate good ILOs to which the PLOs map 1 experimental technique, including proper use of equipment,	
Year:	Year 1 Spring 2015	
Is the evidence Dir	ect or Indirect Both direct and indirec	
Where in the prog	ram does the evidence reside? Department files stored in LSC 235	
What tools are ne	ecessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) No special tools required	
Benchmarks	TBD	
ListOfSources	Rubric to score samples of student lab reports; aggregate scores on embedded questions; course exit survey	
Program Learning	g Outcomes to be Assessed	
PLO	4).Written Communications: The student will demonstrate ILOs to which the PLOs map 1 effective written communication skills through clear and	
Year:	Year: Year 1 Spring 2015	
Is the evidence Dir	rect or Indirect Both direct and indirec	
Where in the prog	Where in the program does the evidence reside?Department files stored in LSC 235	
What tools are ne	ecessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) No special tools required	
Benchmarks	TBD	
ListOfSources	Rubric to score samples of student work; aggregate scores on embedded questions; course exit survey	

Program Learning	Outcomes to be Assessed		
PLO	5).Oral Communications: The student will demonstrate ILOs to which the PLOs map 1 effective oral communication skills in oral presentations in		
Year:	Year 1 Spring 2015		
Is the evidence Dir	ect or Indirect Both direct and indirec		
Where in the program does the evidence reside?Department files stored in LSC 235			
What tools are ne	cessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) No special tools required		
Benchmarks			
ListOfSources	ListOfSources Rubric to score samples of student work; aggregate scores on embedded questions; course exit survey		
Program Learning	Outcomes to be Assessed		
PLO	6).Professional Development: The student will demonstrate ILOs to which the PLOs map 3 the protocols of the professional physicist by attending		
Year:	Year: Year 3 AY 2016-17		
Is the evidence Dir	ect or Indirect Both direct and indirec		
Where in the prog	Where in the program does the evidence reside? Department files stored in LSC 235		
What tools are ne	cessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.) No special tools required		
Benchmarks	TBD		
ListOfSources	Rubric to score samples of student work; course exit survey; student attendance and presentation at seminars and scientific meetings		