2018-19 Student Learning Assessment Report, Academic

Program: Applied Physics	Degree: Major		Department Head: John Moustakas	Submitted By: John Moustakas		Date Submitted: 10/15/2019
fosters an understanding and appr	eciation of the meaning solve problems analy	ng and signific tically and nu	a thorough understanding of the la cance of the laws of physics and the merically; to think and write critical in physics and applied physics.	ir relevance to bro	ader society; the	ability to apply the laws of
1. Major/Program Student Learning Outcomes Students will be able to		2. Phase	3. Assessment Procedures (Planning/ determining)		Criteria: (How do you know students are achieving learning outcome?)	
1. Students will understand the fundamental concepts and theories of physics and how they are applied to engineering.		Planning	Method: (ex. tests, presentations, research TBD	paper)		major / program and so we are still in the ng how to best assess this learning goal.
			Using a Sample of Students?			
			If yes, describe your sample.			
			When does assessment occur?			
			How often does assessment occur?			
1. Major/Program Student Lea Students will be able		2. Phase	3. Assessment Proced (Planning/ determinin		,	Criteria: o you know students are ing learning outcome?)

2. Students will develop strong analytical skills and facility with mathematical and numerical modeling.	Planning	Method: (ex. tests, presentations, research paper) TBD	This is a brand new major / program and so we are still in the process of determining how to best assess this learning goal.
		Using a Sample of Students?	
		If yes, describe your sample.	
		When does assessment occur?	
		How often does assessment occur?	
1. Major/Program Student Learning Outcomes Students will be able to	2. Phase	3. Assessment Procedures (Planning/ determining)	Criteria: (How do you know students are achieving learning outcome?)
3. Students will design, build, and troubleshoot experiments, and they will gain competency with both the instrumentation and data- visualization software that are frequently encountered in the	Planning	Method: (ex. tests, presentations, research paper) TBD	This is a brand new major / program and so we are still in the process of determining how to best assess this learning goal.
engineering workplace.		Using a Sample of Students?	
		If yes, describe your sample.	
		When does assessment occur?	
		How often does assessment occur?	

1. Major/Program Student Learning Outcomes Students will be able to	2. Phase	3. Assessment Procedures (Planning/ determining)	Criteria: (How do you know students are achieving learning outcome?)
4. Students will learn to assess the validity of experimental data and assess the uncertainties in these data.	Planning	Method: (ex. tests, presentations, research paper) TBD	This is a brand new major / program and so we are still in the process of determining how to best assess this learning goal.
		Using a Sample of Students?	
		If yes, describe your sample.	
		When does assessment occur?	
		How often does assessment occur?	
1. Major/Program Student Learning Outcomes Students will be able to	2. Phase	3. Assessment Procedures (Planning/ determining)	Criteria: (How do you know students are achieving learning outcome?)
5. Students will be able to effectively communicate their solutions to physics and engineering-oriented problems and experiments in written and oral form.	Planning	Method: (ex. tests, presentations, research paper) TBD	This is a brand new major / program and so we are still in the process of determining how to best assess this learning goal.
		Using a Sample of Students?	
		If yes, describe your sample.	
		When does assessment occur?	

		How often does assessment occur?		
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