

CAS Curriculum Program Learning Outcomes Matrix

Program: Engineering Management

Date Completed: April 2014

Program Learning Outcomes (PLO)	PHYS 140/140L PHYS 141/141L	E/CE 240	EE 241/241L	ENGR 252	PHYS 270/270L
PLO #1: An ability to apply knowledge of mathematics, science, and engineering to solve technical and business problems.	A		A, E Homework, E Inclass work, E Labs	A, B	A
PLO #2: An ability to design and conduct experiments as well as to analyze and interpret data.	B, E- Electronic Notebook		E Labs		B
PLO #3: An ability to plan and design a system, component, or process to meet desired needs.			A, E Homework E Labs		
PLO #4: An ability to work effectively on multi-disciplinary teams to accomplish an objective, and make significant contribution to its outcome.	B, E- Electronic Notebook		B Lab Project Report C Lab Project E Lab Project E Inclass group work		
PLO #5: An ability to communicate effectively both verbally and in writing.			B Professional Ethics Report, C Professional Ethics Presentation Lab Project Report C Lab Project Presentation E Labs	A, C	B
PLO #6: The broad education necessary to understand the impact of technical and business solutions in a global, economic, environmental, ethical and societal context.			B, A		
PLO #7: A recognition of the need for, and an ability to engage in life-long learning.					

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PLO #8: A knowledge of contemporary issues.				E, current literature	
PLO #9: An ability to use the techniques, skills, and modern engineering tools necessary to solve technical and business problems.			A, E Homework, E Inclass work	A, E Home-work	

- Method Key:  
 A=Quizzes/Exams  
 B=Papers  
 C=Presentations  
 D=Portfolios  
 E=Other Please Define

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E/CE 240	EE 343/343L EE 344/344L	Course:
	A, E Homework, E Inclass work, E Labs and Lab Project	
	E Labs	
	A, E Homework and LabView E Labs and Project E Engineering Standards Tutorial A Engineering Standards Quizzes	
	C Lab Project E Lab Project	
	B Lab Project Report C Lab Project Presentation E Labs	
	B, A	

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E/CE 240	EE 343/343L EE 344/344L	Course:
	A, E Homework, E Inclass work	