

Kingdom of Saudi Arabia

Ministry of Education

Jouf University

College of Engineering

Department of Electrical Engineering



المملكة العربية السعودية

وزارة التعليم

جامعة الجوف

كلية الهندسة

قسم الهندسة الكهربائية

PROGRAM LEARNING OUTCOMES

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

PLO's	Knowledge and Understanding	Skills	Values
PLO1	✓	✓	
PLO2	✓	✓	
PLO3		✓	
PLO4			✓
PLO5			✓
PLO6		✓	
PLO7			✓

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	NQF Learning Domains and Learning Outcomes	Teaching and Learning Strategies	Assessment Methods
1.0	Knowledge and Understanding		
K1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	<ul style="list-style-type: none">Lectures / Group DiscussionTutorialsProblem-Based LearningCollaborative LearningSelf-LearningBrainstormingPeer Learning	<ul style="list-style-type: none">Exams/Written testsDiscussionPeer evaluationPresentationsReportsOral exams
K2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.		
2.0	Skills		
S1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	<ul style="list-style-type: none">LecturesProblem-Based Learning	<ul style="list-style-type: none">Exams/Written testsDiscussionPeer evaluationPresentationsReportsOral examsSelf-AssessmentMini Projects
S2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	<ul style="list-style-type: none">ProjectsLab-Based LearningRole-PlayCollaborative LearningSelf-LearningPeer LearningObservation	
S3	An ability to communicate effectively with a range of audiences.		
S4	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.		
3.0	Values		
V1	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	<ul style="list-style-type: none">Class / Group DiscussionProblem-Based LearningProjectsRole PlayCollaborative LearningSelf-LearningPeer Learning	<ul style="list-style-type: none">DiscussionPeer evaluationPresentationsReportsOral examsMini ProjectsCase Studies
V2	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.		
V3	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.		