

Department of Chemical Engineering			
Environmental Impact Assessment (64587)			
Total Credits	3		
major elective			
Prerequisites	-		
Course Contents			
<p>This course will introduce students to the theory and practice of environmental impact assessment (EIA), the systematic identification and evaluation of the potential effects on the physical, biological, cultural, and socioeconomic components of the environment of proposed actions - projects, plans, programs, legislation. The objective of EIA is to encourage consideration of the environment in the planning and decision-making process to arrive at actions that avoid or minimize adverse impacts on the environment. Students will be divided into several groups to handle a new engineering project of which EIA is needed.</p>			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	By the end of the course, students will be able to function in multi-disciplinary teams	D	20 %
2	By the end of the course, students will be able to communicate effectively (oral and written)	G	15 %
3	By the end of the course, students will be able to recognize of the need for & an ability to engage in life-long learning	I	40 %
4	By the end of the course, students will be able to a Knowledge of contemporary issues.	J	25 %
Textbook and/ or References			
1- Larry W. Canter, Environmental Impact Assessment Second Edition, 1997, ISBN 0-07-114103-0			
Assessment Criteria		Percent (%)	
Mid. Term Exam		25 %	
Projects		20 %	
Presentation		15 %	
Final Exam		40 %	
Course Plan			
Week	Topic		
1	Introduction to EIA		
2-3	The Palestinian Environmental Assessment Policy		
4-6	Planning and management of Impact Studies		
7	Video presentation on public participation in EIA process Project identification		
8-10	Simple Methods for Impact identification-matrices, network and checklist Midterm exam		
11-12	Public participation in environmental decision making (lecture and video tapes)		
13	Preparation of written EIA documentation		
14	Submission of the project report		
15	Project presentation		
16	Final Exam		