

Department of Civil Engineering			
Graduation Project I (61598)			
Total Credits	2		
major compulsory			
Prerequisites	-		
Course Contents			
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Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	an ability to apply knowledge of mathematics, science, and engineering	A	8 %
2	An ability to design and conduct experiments, as well as to analyze and interpret data	B	6 %
3	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, maneuverability, and sustainability	C	15 %
4	An ability to function on multidisciplinary teams	D	10 %
5	An ability to identify, formulate, and solve engineering problems	E	3 %
6	An understanding of professional and ethical responsibility	F	13 %
7	An ability to communicate effectively	G	12 %
8	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	H	21 %
9	A recognition of the need for, and an ability to engage in life-long learning	I	6 %
10	a knowledge of contemporary issues	J	3 %
11	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	K	3 %
Textbook and/ or References			
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Assessment Criteria		Percent (%)	
Reports		50 %	
Presentation		30 %	
Progress		20 %	
Course Plan			
Week		Topic	