

<b>Department of Civil Engineering</b>			
<b>Graduation Project II (61599)</b>			
<b>Total Credits</b>	<b>3</b>		
<b>major compulsory</b>			
<b>Prerequisites</b>	P1 : Graduation Project I (61597) OR Graduation Project I (61598)		
<b>Course Contents</b>			
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<b>Intended Learning Outcomes (ILO's)</b>		<b>Student Outcomes (SO's)</b>	<b>Contribution</b>
1	to apply Knowledge of engineering and mathematics Ability	A	8 %
2	An ability to design and conduct Engineering experiments, as well as to analyze and interpret related 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, manufacturability, and sustainability	C	15 %
4	An ability to function in multi-disciplinary teams.	D	10 %
5	Ability to identify, to formulate, and to solve Engineering problems.	E	3 %
6	An understanding of professional and ethical responsibility.	F	13 %
7	Ability to communicate effectively.	G	12 %
8	The broad education necessary to understand the impact of Engineering solutions in a global context.	H	21 %
9	Recognition of the need for and an ability to engage in life-long learning.	I	6 %
10	Knowledge of contemporary issues .	J	3 %
11	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	K	3 %
<b>Textbook and/ or References</b>			
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<b>Assessment Criteria</b>		<b>Percent (%)</b>	
Reports		50 %	
Presentation		30 %	
Progress		20 %	
<b>Course Plan</b>			
<b>Week</b>		<b>Topic</b>	