

Department of Industrial Engineering			
Graduation Project II (65592)			
Total Credits	3		
major compulsory			
Prerequisites	P1 : Graduation Project I (65583) OR Graduation Project I (65591)		
Course Contents			
This course provides data collection and analysis on a specific problem in a field determined jointly by the student and his/her advisor in order to produce the final solution and design.			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	a. Ability to apply knowledge of mathematics, science and engineering .	A	8 %
2	b. Ability to design and conduct engineering experiments, as well as to analyze and interpret related data.	B	6 %
3	c. 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	d. Ability to function on multidisciplinary teams.	D	10 %
5	e. Ability to identify, formulate and solve engineering problems.	E	3 %
6	f. Understanding of professional and ethical responsibility.	F	13 %
7	g. Ability to communicate effectively.	G	12 %
8	h. The broad education necessary to understand the impact of engineering solutions in a global and societal context.	H	21 %
9	i. Recognition of the need for and an ability to engage in life-long learning.	I	6 %
10	j. Knowledge of contemporary issues in industrial engineering fields.	J	3 %
11	k. Ability to use the techniques, skills and modern engineering tools necessary for engineering practice.	K	3 %
Textbook and/ or References			
0			
Assessment Criteria		Percent (%)	
Reports		50 %	
Presentation		30 %	
Progress		20 %	
Course Plan			
Week	Topic		