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Department of Mechanical Engineering	
Graduation Project I (67551)	
Total Credits	**2**
major compulsory	
Prerequisites	-

Course Contents

The course provides : 1) an introduction to research methodology 2) ways of making literature review 3) the manner of writing technical reports 4) Initial data collection and design.

	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, manufacturability, and sustainability	C	15 %
4	an ability to function on multidisciplinary teams	D	10 %
5	an ability to identify, formulate, and solve chemical 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 Refrences

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Assessment Criteria	Percent (%)
Reports	50 %
Presentation	30 %
Progress	20 %

Course Plan

Week	Topic