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Department of Chemical Engineering

Introduction to Eng. &Eng. Ethics (64100)

Total Credits	**1**
Faculty compulsory	
Prerequisites	-

Course Contents

This course covers several topics including the history of engineering, evolution and relationship with other disciplines mainly planning and management, types of engineering, engineering design, engineering ethics and the steps for solving engineering problems.

	Intended Learning Outcomes (ILO's)	Student Outcomes (SO's)	Contribution
1	Exhibit the knowledge of development of engineering disciplines and to distinguish between them, to realize the social needs for new engineering disciplines.	I	40 %
2	Ability to realize the concept of engineering design and to highlight the role of engineer in solving engineering problems.	H	10 %
3	Ability to highlight the main elements of engineering code of ethics along with the professional values.	F	50 %

Textbook and/ or Refrences

Introduction to Engineering,

Assessment Criteria	Percent (%)
Mid. Term Exam	40 %
Final Exam	60 %

Course Plan

Week	Topic
1-2	General introduction including historical perspective
3-4	Engineering and other disciplines
5-8	Fields of engineering
9	Engineering design
10	Midterm Exam
11-14	Engineering ethics
15	Steps for solving engineering problems
16	Final Exam