

TOROS ÜNİVERSİTESİ

Faculty Of Engineering
Industrial Engineering (English)

Course Information

INTEGRATED PRODUCT DEVELOPMENT					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
INE405	Fall	3	0	3	4

Prerequisites and co-requisites	None
Language of instruction	English
Type	Elective
Level of Course	Bachelor's
Lecturer	Asst. Prof. Dr. Fikri EGE
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	Providing to the students the ability of preparing computer aided drawing.
Contents of the Course	Comparison between Computer-aided drawing and classical drawing / Introduction to hardware and software / Drawing / Modifying / Dimension / Settings / Views, section, assembly drawing and editing.

Learning Outcomes of Course

#	Learning Outcomes
1	Student will improve his/her ability of using Computer Aided Engineering software(s)
2	Student gains the ability of technical drawing.
3	S/he gain the logic of product design techniques.
4	Student will be able to design products.

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	The purpose and importance of computer-aided drawing	Lecturing
2	Advantage of CAD over conventional drawing technics	Lecturing
3	Required hardware for drawing	Lecturing
4	Overview to CAD software	Lecturing
5	Introduction to AutoCAD	Lecturing
6	Activation of command	Lecturing
7	Midterm	Exam
8	Drawing commands (trim, chamfer, array copy, extend, etc.)	Lecturing
9	Drawing commands (trim, chamfer, array copy, extend, etc.)	Lecturing
10	Dimensioning commands	Lecturing
11	Settings of layers	Lecturing
12	Perspective drawing	Lecturing
13	Section view and hatch command	Lecturing

14	Assembly	Lecturing
15	Assembly	Lecturing
16	Final Exam	Exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Course Notes		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Student will improve his/her ability of using Computer Aided Engineering software(s)	3	1,2
2	Student gains the ability of technical drawing.	3	1,2
3	S/he gain the logic of product design techniques.	3	1,2
4	Student will be able to design products.	3	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	3	42
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	3	3
8	Midterm Exam	0	0	0
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	1	3	3
14	Final Exercise	0	0	0
15	Preparation for Final Exam	0	0	0
16	Final Exam	0	0	0
				90