TOROS ÜNİVERSİTESİ

Faculty Of Engıneerıng
Industrıal Engıneerıng (Englısh)

Course Information

TECHNICAL DRAWING					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
INE104	Spring	2	2	3	4

Prerequisites and co-requisites	None
Language of instruction	English
Type	Required
Level of Course	Bachelor's
Lecturer	Assit. Prof. Dr. Fikri EGE
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	The aim of this course is to provide students with technical drawing skills (using computers for effective drawing, reading drawings drawn by others, making mechanical design, making mechanical parts).
Contents of the Course	Technical drawings, drawing tools, standard line types and thicknesses, basic geometric drawings, isometric perspective, dimensioning elements and rules, freehand and computer aided drawing techniques.

Learning Outcomes of Course

#	Learning Outcomes
1	Student gains the ability of technical drawing.
2	Student will improve his/her ability of using Computer Aided Engineering software(s)
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	General descriptions, engineering drawing tools, drawing papers, standard line types and thicknesses, scale	Lecturing
2	Norm writing, dimensioning elements and rules, basic geometric drawings.	Lecturing
3	Six basic appearances	Lecturing
4	Drawing applications for perspective views	Lecturing
5	Types of sections	Lecturing
6	Isometric perspective	Lecturing
7	Midterm	Exam
8	Introduction to computer aided design, introduction of AUTOCAD	Lecturing
9	Drawing toolbar	Lecturing
10	Edit toolbar	Lecturing
11	Drawing applications with CAD software	Lecturing

12	Measuring toolbar	Lecturing
13	Sectioning applications	Lecturing
14	Sectioning applications	Lecturing
15	Perspective drawing applications	Lecturing
16	Final Exam	Exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	T.E. French, C.J.. Vierck, R.J. Foster, Engineering Drawing and Graphic Technology, Thirteenth Edition, McGraw-Hill International Editions.		

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 gains the ability of technical drawing.	3	1,2
2	Student will improve his/her ability of using Computer Aided Engineering software(s)	9	1,2
3	S/he gain the logic of product design techniques.	1	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	4	56
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
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	8	8
8	Midterm Exam	1	2	2
9	Quiz	0	0	0
10	Homework	14	1	14
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	10	10
16	Final Exam	1	2	2