Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
ING144	Technical Drawing	2	1	1	0	1,5	3

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	The development of 3-dimensional thinking ability is the base of engineering education. Through the skills gained objects views and sections could be drawn. In addition, in this course students can quickly answer to design or drawing problems may encounter during their careers with the help of computer-aided design software AutoCAD. In this context, the objectives of this course are determined as follows: • To ensure the students mastery in major rules of technical drawing that is the language of technical communication, • To provide the students the acquisition of movements, and views of the objects in 3-D space reviving in their minds, • To ensure the students mastery in using the acquired technical drawing skills easily in computer environment.
Content	1. Week: Introduction: Drawing equipments, 2. Week: Introduction: Lines, papers, Norm Writing, Writing work, 3. Week: Calibration: Plate Parts, 4. Week: Geometric Drawings, 5. Week: Views, 6. Week: Sectioning: Full section, partly section, application 7. Week: Mid-term exam. 8. Week: Perspective drawing 9. Week: Introduction to AutoCAD, Line command, Drawing commands 1 (including ellipse drawing), 10. Week: Drawing commands 2, Methods of selecting objects, View Commands, Modifying Commands, 11. Week: Modulation commands, Hatching and application, 12. Week: Hatching commands, changing line types and application, 13. Week: Writing commands, Calibration commands and application, 14. Week: Mesh: nuts and bolts.
References	• Prof. Dr. Remzi ASLAN, Ar. Gör. A.Çağrı TOLGA, 2003, İstanbul, Bilgisayarla Teknik Resim Autocad • Course Notes

Theory Topics

Week	Weekly Contents
1	Introduction: Drawing equipments,
2	Introduction: Lines, papers, Norm Writing, Writing work
3	Calibration: Plate Parts
4	Geometric Drawings
5	Views
6	Sectioning: Full section, partly section, application
7	Mid-term exam
8	Perspective drawing
9	Introduction to AutoCAD, Line command, Drawing commands 1 (including ellipse drawing)
10	Drawing commands 2, Methods of selecting objects, View Commands, Modifying Commands
11	Modulation commands, Hatching and application
12	Hatching commands, changing line types and application
13	Writing commands, Calibration commands and application
14	Mesh: nuts and bolts