MECH 300 SUMMER PRACTICE I

Course Code:	3650300
METU Credit (Theoretical-Laboratory hours/week):	0(0-0)
ECTS Credit:	4.0
Program:	Mechanical Engineering
Language of Instruction:	English
Level of Study:	Undergraduate
Course Coordinator:	Dr. Murat Sönmez
Offered Semester:	Fall or Spring Semesters.
Prerequisite:	MECH 202 (Min. FD) (MECH 100 Introduction to Mechanical Engineering and MECH 114 Computer Aided Engineering Drawing II with a grade S and min. DD, respectively are strongly recommended)

Course Objective

At the end of this course, the students will have some experience with different discrete manufacturing processes used in industry learn the importance of engineering drawing in manufacturing, be able to learn how to do cost analysis for simple parts, get acquainted with a typical organizational structure for a discrete manufacturing company.

Course Content

Students are required to do a minimum of four weeks (twenty working days) summer practice at the shop floor of a suitable factory. The students are expected to practice on manufacturing processes such as machining, foundry work, metal forming, welding, non-traditional machining, heat treatment, finishing, etc. A report is to be submitted to reflect the work carried out personally by the student.

Learning Outcomes

The students will have some experience with different discrete manufacturing processes used in industry and learn the role of mechanical engineers.