

# MECH 300 SUMMER PRACTICE I

Course Code:	3650300
METU Credit (Theoretical-Laboratory hours/week):	0(0-0)
ECTS Credit:	4.0
Program:	<a href="#">Mechanical Engineering</a>
Language of Instruction:	English
Level of Study:	Undergraduate
Course Coordinator:	<a href="#">Dr. Murat Sönmez</a>
Offered Semester:	Fall or Spring Semesters.
<b>Prerequisite:</b>	<a href="#">CNG 100</a> <a href="#">MECH 100</a> <a href="#">MECH 114</a> <a href="#">MECH 202</a> <a href="#">OCHS 101 (not a prerequisite for students who admitted to Mechanical Engineering Program before 2018-2019 Academic Year)</a>

## 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.