

MECH 400 SUMMER PRACTICE II

Course Code:	3650400
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 Semesters.

Prerequisite:

Consent of the Program

Depending on the selected track;

- Summer Practice in Factories
ECO 280, MECH 303 and MECH 307, MECH 311 (min. DD)
- Summer Practice in Power Plants
ECO 280, MECH 311 and MECH 305 (or MECH 320), (min. DD)
- Summer Practice in Design, R/D and Consulting Company
 - * Mechanical Design/ Development Company
ECO 280, MECH 307, MECH 303, (min. DD)
 - *HVAC, Design-Installation Company
ECO 280, MECH 305, MECH 311,
 - * Engineering Research/ Development Center
MECH 305, MECH 310, MECH 311, MECH 307,
(min DD) and (min. CGPA: 3.00)

Course Objective

At the end of this course, the students will be familiar with various types of organizations in which they are likely to work after graduation, get acquainted with practical and applied aspects of their theoretical mechanical engineering background, be able to have studied non-engineering departments and their relations with technical departments.

Course Content

Students are required to do a minimum of four weeks (twenty working days) summer practice in a suitable factory, a power station, or an engineering design and consultancy office. They are expected to get acquainted with a real business environment by studying various managerial and engineering practices through active participation. A report is to be submitted to reflect the student's contributions.

Learning Outcomes

The students are expected to acquire the applications of the mechanical engineering theoretical background on machine design, thermal engineering, quality assurance, cost analysis and environmental concerns.