

**COURSE CODE** : --  
**COURSE TITLE** : Internship I (Laboratory)  
**TERMS OFFERED** : Fall/Spring/Summer  
**PREREQUISITE(S)** : KIM 206  
**CREDIT (TYPE)** : Non Credit (Compulsory)  
**INSTRUCTORS** : --

**TEXTBOOK/REQUIRED MATERIAL:** --

**BRIEF (CATALOG) DESCRIPTION OF THE COURSE:**

Carry out practical training (20 days) in laboratory environment in an industrial setting or a research institute; Apply the knowledge acquired in prior coursework to a real-life situation under the supervision of qualified personnel.

**TOPICS COVERED:**

A laboratory internship emphasizing basic sciences and their application, health, safety and environmental aspects of science and technology, modern engineering tools, techniques and skills necessary for engineering practice, professional and ethical responsibility, and quality issues

**COURSE OBJECTIVES:**

(Links in brackets are to the course outcomes that satisfy these objectives)

1. To provide hands-on experience in extending laboratory skills to a real life setting (1).
2. To provide experience in conducting experiments, and analyzing and interpreting data (3).
3. To provide experience in safety, health and environment related issues (2).
4. To improve the ability of using modern instrumental techniques and tools (4).
5. To provide experience in performing individually and in preparing a technical report (5, 6).
6. To provide awareness of professional and ethical responsibility and quality issues (2).

**TOOLS USED TO ACHIEVE THE OBJECTIVES:**

Placement of students for internship, guidance offered prior to the internship, internship report

**COURSE OUTCOMES :**

(Links in brackets are to the educational outcomes of the department)

Upon successful completion of this course, students will be able to:

1. apply their basic science knowledge (1)
2. demonstrate an understanding of ethics, professionalism, quality, safety, health and environment issues (4, 12, 14)
3. conduct experiments and collect and analyze data (5)
4. use modern engineering techniques and tools (6)
5. take individual responsibility in a professional environment (8)
6. prepare a report in Turkish or English (10)

**ASSESSMENT METHODS AND METRICS :**

1. Internship reports assess outcomes 1-6.
2. Internship surveys administered to students and employers assess outcomes 1-6.

**OVERALL RELATIONSHIP OF THE COURSE WITH PROGRAM OUTCOMES :**

Outcomes	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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**PREPARED BY:** Industrial Relations and Internship Committee

**DATE OF PREPARATION:** February 2002