

COURSE CODE : --
COURSE TITLE : Internship II (Industrial)
TERMS OFFERED : Fall/Spring/Summer
PREREQUISITE(S) : KMM 211, TER 201, KMM 321E, KMM332
CREDIT (TYPE) : Non Credit (Compulsory)
INSTRUCTORS : --

TEXTBOOK/REQUIRED MATERIAL: --

BRIEF (CATALOG) DESCRIPTION OF THE COURSE:

Carry out practical training (20 days) in an industrial setting related to chemical engineering; Apply the knowledge acquired in prior coursework to a real-life situation under the supervision of qualified engineers.

TOPICS COVERED:

An industrial internship serving application of knowledge acquired in prior coursework, improving the ability of identifying, formulating and solving engineering problems, emphasizing quality issues, professional and ethical responsibility, safety and environmental aspects of science and technology, providing experience in the use of modern engineering tools, techniques and skills.

COURSE OBJECTIVES:

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

1. To provide real-life experience in the application of knowledge acquired in earlier coursework, and in the identification, formulation and solution of engineering problems (1,2).
2. To provide experience in safety, health and environment related issues (3).
3. To improve the ability of using process equipment, modern instrumental techniques, computers and software (4).
4. To provide experience in performing individually and in preparing a technical report (5, 6).
5. To provide awareness of professional and ethical responsibility and quality issues (3).

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 knowledge acquired in earlier course work (1).
2. identify, formulate and solve engineering problems (2).
3. demonstrate an understanding of ethics, professionalism, quality, safety, health and environmental issues (4, 12, 14)
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
	√	√		√		√		√		√		√		√

PREPARED BY: Industrial Relations and Internship Committee

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