



MUTAH UNIVERSITY
Faculty of Engineering
Department of Chemical Engineering



Practical Training
COURSE SYLLABUS

Course Code	Course Name	Credits	Contact Hours
0404401	Practical Training	3	3/week

INSTRUCTOR/COORDINATOR

Name	Dr. Nabeel Jarrah
Email	aljarrah@mutah.edu.jo
Website	

TEXTBOOK

Other Supplemental Materials

SPECIFIC COURSE INFORMATION

A. Brief Description of the Content of the Course (Catalog Description)

Practical training for eight weeks in chemical engineering related field. The location of training is to be approved by the department council. Students should submit a technical report about the acquired knowledge attained throughout the training period.

B. Pre-requisites (P) or Co-requisites (C)

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C. Course Type (Required or Elective)

Required (Compulsory department course)

SPECIFIC GOALS

A. Specific Outcomes of Instruction

By the end of this course, the student should be able to:

1. Identify and suggest solutions for real engineering problems [SO-1].
2. Apply the acquired engineering knowledge to mimic real life situations [SO-1].
3. Recognize the plant layout and the relation of that to safety issues [SO-2].
4. Identify the environmental impact of the process, raw materials and the products [SO-2].
5. Adopt safety as a realistic constraint in design problems [SO-2].
6. Write a technical report and prepare a presentation to show the gained experience during training [SO-3].
7. Identify contemporary issues in chemical engineering such as energy and pollution [SO-4].
8. Understand the importance of professional excellence and service to the profession [SO-4].
9. Apply to communicate effectively with the employers in the plant to establish a collaborative environment [SO-5].
10. Explain errors in measurement and interpret the measured data [SO-6].
11. Understand that learning does not end with a B.Sc. degree, but there is a need to seek knowledge in science, engineering and technology [SO-7].
12. Pursue further education and training [SO-7].

B. Student Outcomes Addressed by the Course

1	2	3	4	5	6	7				
✓	✓	✓	✓	✓	✓	✓				

BRIEF LIST OF TOPICS TO BE COVERED

List of Topics	No. of Weeks	Contact Hours

Total

METHODS OF ASSESSMENT

No.	Method of assessment	Week and Date	%
1	Technical Report		50
2	Supervisor (from the plant) report		25
3	Presentation		25
Total			100