



MUTAH UNIVERSITY
Faculty of Engineering
Department of Chemical Engineering



Graduation Project 1

COURSE SYLLABUS

Course Code	Course Name	Credits	Contact Hours
0404500	Graduation Project 1	1	1/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)

An investigation of a problem in chemical engineering to be carried out theoretically and/or experimentally. Another option is to design and develop a chemical process. The work to be conducted through a group of students and to be supervised by a faculty member.

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

0404557

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. Solve a combination of material and energy balances problem [SO-1].
2. Select a process based on social, safety and environmental issues [SO-2].
3. Design a chemical process [SO-2].
4. Choose the suitable material for certain unit requirements [SO-2].
5. Write a technical report and prepare a presentation [SO-3].
6. Identify contemporary issues in chemical engineering such as energy and pollution during selection and design of the process [SO-4].
7. Plan, distribute and follow up tasks in a team work environment [SO-5].
8. Use chemical engineering software packages to design and optimize chemical processes [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		25
2	Supervisor Report		50
3	Presentation		25
Total			100