UNIVERSITY OF JORDAN
School of Engineering
Chemical Engineering Department

0905462 Chemical Engineering Lab (2)
Second Semester 2018/2019

Course Catalog

Compulsory, 1 Credit Hours (3 h Practical)
Selected experiments drawn from (0905342) and (0905343). Courses including crushing and grinding ,screening ,sedimentation ,fluidization , filtration , mixing , heat conduction , shell and tube heat exchanger , and climbing film evaporator.

Prerequisite	0905342 , 0905343

Textbook	---
References	
Books	• Refer to Syllabus of 0905342 Solid Particulates and 0905343 Heat Transfer Operations. • Lab Manual prepared by faculty at Chem. Eng. Dept., University of Jordan.
Journals	---
Internet links	

Instructor (s)	
Name	Prof.Fawaz K. Sweis
Office Location	Eng. Building, 2nd Floor
Office Phone	06 535 5000 Ext: 22886
E-mail	sweis@ju.edu.jo

Class Schedule & Room	
Lab Time:	Sunday 14:00-17:00
Location:	Chem. Eng. Laboratories
Office Hours	
Tuesday, Thursday:	1:00-2:00
Monday and Wednesday:	11:00-12:00

Mapping of Course Objectives to Program Outcomes

1. To learn and practice how to use lab. equipments to get experimental results. [O6,O1]
2. To be able to follow and report the proper experimental procedure. [O6]
3. To learn how to analyze experimental data and arrive at correct conclusions. [O1,O6]
4. To identify and recognize the hazards & safety precautions associated with experiments. [O4,O7]
5. To identify and recognize the sources and magnitude of errors associated with experiments. [O1,O4]
6. To work effectively in teams and take initiatives. [O4,O5]
7. To present results orally and in a written form. [O3]

Skills Targeted	
	Experiment
1. Reinforcement of theory.	All
2. Experimental practice and safety	All
3. Connectivity between various courses.	All
4. Data acquisition and analysis skills.	All
5. Teamwork and initiative	All
6. Written and oral Communication.	Selected

Evaluation		
Assessment Tool	**Expected Due Date**	**Weight**
Short Reports Writing		30%
Full Report Writing		20%
General Evaluation		10%
Final Exam	According to University final examination schedule	40 %

ABET Category Content	
Engineering Science	100% (1 CR)
Engineering Design	

Prof.Fawaz K. Sweis	Jan.10.2019