



**UNIVERSITY OF JORDAN**  
**School of Engineering**  
**Chemical Engineering Department**

**0905346 solid particulate Lab**  
**Second Semester 2025/2026**

<b>Course Catalog</b>	
<b>Compulsory, 1 Credit Hours (3 h Practical)</b>	
Perform some experiments related to course (0915351) including size reduction and sieving, sedimentation, filtration, separation and mixing of solids.	
<b>Prerequisite</b>	0915351

<b>Textbook</b>	---
<b>References</b>	
<b>Books</b>	<ul style="list-style-type: none"> <li>Refer to Syllabus of 0905351 Unit Operation of Particulate Solid.</li> <li>Lab Manual prepared by faculty at Chem. Eng. Dept., University of Jordan.</li> </ul>
<b>Journals</b>	---
<b>Internet links</b>	

<b>Instructor (s)</b>	
Name	
Office Location	
Office Phone	
E-mail	

<b>Class Schedule &amp; Room</b>	
Lab Time:	
Location:	Chem. Eng. Laboratories
<b>Office Hours</b>	
Tuesday, Thursday:	1:00-2:00
Monday and Wednesday:	11:00-12:00

<b>Mapping of Course Objectives to Program Outcomes</b>	
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]

<b>Skills Targeted</b>	
	<b>Experiment</b>
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

<b>Evaluation</b>		
<b>Assessment Tool</b>	<b>Expected Due Date</b>	<b>Weight</b>
Short Reports Writing		20%
Full Report Writing		10%
General Evaluation		10%
Mid Exam		20%
Final Exam	According to University final examination schedule	40 %

<b>ABET Category Content</b>	
<b>Engineering Science</b>	100% (1 CR)
<b>Engineering Design</b>	

Oct.5.2025
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