



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR454 Pharmacy Practice Laboratory (3)

Second Semester 2023-2024

Course Catalog

1 Credit Hours. This pharmacy practice lab focuses on areas of interest in the fields of pharmaceuticals and pharmacy practice. These areas include compounding and evaluation of solid dosage forms such as tablets and capsules. In addition, it reinforces pharmacy practice skills in areas of communication with physicians, handling pharmacy errors and literature search.

Teaching Method: On Campus

Text Book

Title	Martin's Physical Pharmacy and Pharmaceutical Sciences
Author(s)	Patrick J. Sinko
Edition	6th Edition
Short Name	Martin
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ansel's	Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems	Lloyd V. Allen, Jr., Nicolas G. Popovich & Howard C. Ansel	10th Edition	

Instructor

Name	Mrs. Rafeef Massadeh
Office Location	P2 L-2
Office Hours	Sun : 08:00 - 10:30 Mon : 08:00 - 10:30 Tue : 08:00 - 08:30 Wed : 08:00 - 12:30
Email	rafeef@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun : 10:30 - 12:30
Room: LAB

Section 2:
Lecture Time: Sun : 12:30 - 14:30
Room: LAB

Section 3:
Lecture Time: Sun : 14:30 - 16:30
Room: LAB

Section 5:
Lecture Time: Mon : 10:30 - 12:30
Room: LAB

Section 6:
Lecture Time: Mon : 12:30 - 14:30
Room: LAB

Section 7:
Lecture Time: Mon : 14:30 - 16:30
Room: LAB

Section 8:
Lecture Time: Tue : 08:30 - 10:30
Room: LAB

Section 9:
Lecture Time: Tue : 10:30 - 12:30
Room: LAB

Section 10:
Lecture Time: Tue : 12:30 - 14:30
Room: LAB

Section 11:
Lecture Time: Tue : 14:30 - 16:30
Room: LAB

Section 14:
Lecture Time: Wed : 12:30 - 14:30
Room: LAB

Section 15:
Lecture Time: Wed : 14:30 - 16:30
Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	- Communication with physicians and handling pharmacy errors.	
Week 2	- Determination of dissolution profile of solid dosage form.	
Week 3	Kinetic degradation of indomethacin solution.	
Week 4	Micromeritics.	
Week 5	Preparation of pharmaceutical granules.	
Week 6	Preparation of tablets.	
Week 7	Evaluation of tablets part 1	
Week 8	Evaluation of tablets part 2	
Week 9	Preparation of capsules.	
Week 10	Preparation of clindamycin topical solution.	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
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Demonstrate the ability to compound solid dosage forms mainly tablets and capsules. [1PLO5.1]	30%	
Evaluate pharmaceutical solid dosage forms. [1PLO5.1]	30%	
Demonstrate ability to communicate with physicians and handle pharmacy errors. [1PLO3.6]	10%	
Demonstrate the ability to conduct preformulation studies [1PLO1.1]	20%	
Prepare liquid preparation out of solid dosage form. [1PLO5.1]	5%	
Display the ability to conduct literature search using reliable sources. [1PLO2.2]	5%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO3.2	PLO3.3	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1
20				5						10					65

Evaluation	
Assessment Tool	Weight
Mid-term exam	25%
Final Theoretical Exam and Final Practical Exam	40%
Quizzes	10%
Reports and Assignment	10%
Personal evaluation	5%
Counseling Techniques and Product Evaluation	10%

Policy	
Exams	<ul style="list-style-type: none"> - All exams are closed books and notes. - The final exam is comprehensive (covers all the material). - The incomplete exams need approval from the departments? heads. - The final incomplete exams need approval from the dean.
Cheating	Prohibited; The commitment of the acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied.
Attendance	<ul style="list-style-type: none"> - Attendance is mandatory and will be recorded regularly. - Excellent attendance is expected. - Students who miss more than 20% of the classes will be dropped from the course as per JUST policy. - If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Active learning and students' participation	<ul style="list-style-type: none"> - Students are expected to actively participate in class discussions.
Withdraw	The last day of courses withdrawal (without reimbursement of tuition fees) is 26/5/2023

Date Printed: 2024-03-03