



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR457 Pharmacy Practice Laboratory (3)

First 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.

Text Book

Title	Martin's Physical Pharmacy and Pharmaceutical Sciences
Author(s)	Patrick J. Sinko
Edition	8th Edition
Short Name	Martin's
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ansel's	Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems	Loyd V. Allen, Jr., Nicolas G. Popovich & Howard C. Ansel	12th Edition	

Instructor

Name	Mrs. Rafeef Massadeh
Office Location	P2 L-2
Office Hours	Sun : 12:00 - 14:30 Mon : 10:00 - 12:30 Tue : 10:00 - 12:30 Wed : 09:00 - 11:30 Thu : 09:00 - 11:30
Email	rafeef@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Mon : 12:30 - 14:30
Room: LAB

Section 2:
Lecture Time: Mon : 14:30 - 16:30
Room: LAB

Section 3:
Lecture Time: Tue : 12:30 - 14:30
Room: LAB

Section 4:
Lecture Time: Tue : 14:30 - 16:30
Room: LAB

Section 6:
Lecture Time: Wed : 14:30 - 16:30
Room: LAB

Tentative List of Topics Covered

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

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Compound and evaluate pharmaceutical solid dosage forms mainly tablets and capsules. [1PLO5.1]	60%	
Demonstrate ability to communicate with physicians and handle pharmacy errors. [1PLO3.6]	10%	
Conduct preformulation studies [1PLO1.1]	20%	
Prepare liquid preparation out of solid dosage form. [1PLO5.1]	5%	
Carry out literature search to obtain available drug information 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
QUIZ	10%
MID EXAM	25%

ASSINGMENT AND REPORT	10%
PERSONAL EVALUATION	5%
COUNSELING	5%
PRODUCT EVALUATION	5%
FINAL EXAM	40%

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 first, second, and midterm incomplete exams need approval from the departments? heads. - The final incomplete exams need approval from the dean.
Cheating	<p>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.</p> <p>المادة 7: إذا ضبط الطالب أثناء الامتحان أو الاختبار متلبساً بالغش فتوقع عليه العقوبات التالية مجتمعة:</p> <p>أ- اعتباره راسباً في ذلك الامتحان أو الاختبار.</p> <p>ب- الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل.</p> <p>ج- فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه.</p>
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.
Withdrawal	The last day of courses withdrawal (without reimbursement of tuition fees) is 2024/01/12

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