



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR356 Pharmacy Practice Laboratory(2)

Second Semester 2022-2023

Course Catalog

1 Credit Hours. This course is designed to introduce pharmacy students to the contemporary compounding of non-sterile dosage forms. Students will practice compounding creams, ointments, gels, suppositories, suspensions, and emulsions. Guidance and standards for the preparation of compounding formulations will also be covered. In addition to illustrate different physical pharmacy phenomena?s.

Text Book

Title	Remington's pharmaceutical sciences
Author(s)	Joseph P Remington; Alfonso R Gennaro
Edition	17th Edition
Short Name	1
Other Information	Pub.: Mack Publishing Comp., Easton, Pennsylv, Year, 1985, Vertrieb durch J. Wiley & Sons, Ltd, Chichester.

Instructor

Name	Mrs. Rawdah Alsheyab
Office Location	-
Office Hours	Sun : 10:00 - 12:30 Mon : 09:00 - 10:30 Wed : 08:30 - 10:30 Thu : 10:30 - 11:30
Email	rawda@just.edu.jo

Instructor

Name	Mrs. Rafeef Massadeh
Office Location	P2 L-2
Office Hours	Sun : 08:00 - 12:00 Mon : 08:00 - 11:00 Tue : 08:00 - 08:30 Wed : 08:00 - 08:30 Thu : 08:00 - 08:30
Email	rafeef@just.edu.jo

Instructor

Name	Ayat Abu Shameh
Office Location	-
Office Hours	
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Class Schedule & Room

Section 2:
Lecture Time: Sun : 10:30 - 12:30
Room: LAB

Section 3:

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

Section 4:

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

Section 6:

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

Section 7:

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

Section 8:

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

Section 9:

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

Section 10:

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

Section 11:

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

Section 12:

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

Section 14:

Lecture Time: Wed : 10:30 - 12:30
Room: LAB

Section 15:

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

Section 16:

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

Section 17:

Lecture Time: Thu : 08:30 - 10:30
Room: LAB

Section 18:

Lecture Time: Thu : 10:30 - 12:30
Room: LAB

Section 19:

Lecture Time: Thu : 12:30 - 14:30
Room: LAB

Section 20:

Lecture Time: Thu : 14:30 - 16:30
Room: LAB

Section 21:

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

Section 22:

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

Weeks	Topic	References
Week 2	Rheology	From 1
Week 3	Phase Equilibrium	From 1
Week 4	Surface tension and use of glucometer	From 1
Week 5	Establishment of patient charts	From 1
Week 6	Drug Therapy Problems (DTP)	From 1
Week 7	Preparation of liquid pharmaceutical suspension	From 1
Week 8	Preparation of liquid pharmaceutical emulsion	From 1
Week 9	Preparation of semisolid cream	From 1
Week 10	Semisolids incorporation techniques	From 1
Week 11	Preparation of suppositories	From 1

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Practice some pre-formulation studies: determination of viscosity and critical micelle concentration. [1PLO1.1]	20%	Mid Term Exam, Quizzes, Assignments and reports, Personal evaluation and attendance, Counseling techniques, Product evaluation
Define the number of phases associated with mixing partially miscible liquid phases (phenol and water) [1PLO1.1]	10%	Mid Term Exam, Quizzes, Assignments and reports, Counseling techniques, Product evaluation
Familiarize students with some of the pharmacy practice skills: patient charts and DTPs. [1PLO2.1]	20%	Mid Term Exam, Quizzes, Assignments and reports, Personal evaluation and attendance, Counseling techniques, Product evaluation
Compounding liquid pharmaceutical suspensions and emulsions. [1PLO2.2]	20%	Final Exam, Quizzes, Personal evaluation and attendance, Product evaluation
Compounding o/w and w/o semisolid cream and incorporating solid drugs in semisolids. [1PLO2.2]	20%	Final Exam, Quizzes, Personal evaluation and attendance, Product evaluation
Compounding suppository formulations. [1PLO2.2]	10%	Final Exam, Personal evaluation and attendance, Product evaluation

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
30	20			50											

Evaluation	
Assessment Tool	Weight
Mid Term Exam	25%
Final Exam	40%
Quizzes	10%
Assignments and reports	5%
Personal evaluation and attendance	5%
Counseling techniques	5%
Product evaluation	10%

Policy	
Exams	The format for the exams is generally (but NOT always) as follows: Multiple-choice and short essay questions
Makeup Exams	Makeup exam should not be given unless there is a real valid excuse

Cheating	<p>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: اذا ضبط الطالب أثناء الامتحان أو الاختبار متلبسا بالغش فتوقع عليه العقوبات التالية مجتمعة</p> <ol style="list-style-type: none"> 1. اعتباره راسيا في ذلك الامتحان أو الاختبار . 2. الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل . 3. فصله من الجامعة لمدة فصل دراسي واحد، و هو الفصل التالي للفصل الذي ضبط فيه .
Attendance	<p>Excellent attendance is expected. JUST policy requires the faculty member to assign a ZERO grade (35) if a student misses 10% of the classes that are not excused. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed. Grade bonuses are subject to attendance.</p>
Workload	Average workload student should expect is 2 hours/week.
Active learning and student participation	Students are expected to actively participate in class discussions.
Withdraw	The last day of course withdrawal (without reimbursement of tuition fees) is 2-6-2023.

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