

Course Syllabus Typical Format (CSTF)

First: Course Card:

1	College: Pharmacy	2	Department: Pharmaceutics
3	Academic Semester: First Semester	4	Academic year: 1447 H
5	Course Name: Pharmaceutics-1	6	Course code and number: PDPH0331
7	Number of credit hours: 3 hours (2 theoretical/lecture, 1 lab)		
8	Prerequisite (Name & code number): Not applicable		
9	Course type: <input checked="" type="checkbox"/> Compulsory or <input type="checkbox"/> Elective		
10	Course level: <input type="checkbox"/> University requirement, <input checked="" type="checkbox"/> Faculty requirement or <input type="checkbox"/> Department requirement		

Second: Faculty Member Card:

1	Name: Dr. Mona Kamel		
2	Sections of the course that we teach all the course		
3	Office phone: 4006	4	Cell phone (Optional): 0548798401
5	Office location and number: Faculty of Pharmacy (01-40-2-105)		
6	Office hours: Tuesday, Wednesday, Thursday (12-1 PM)		
7	Website: https://www.ut.edu.sa/ar/Staff/Pages/default.aspx?EmpNum=PDmB%2bgOFx861YFfoP3arCg%3d%3d		
8	E mail: mqushawy@ut.edu.sa		

Third: Schedule of Lectures & Labs:

Section	Days	Time	Location (Building / Hall)
Female	Sunday	8:00-10:00 AM	01-40-1-048 (Lecture)
	Monday	8:00-10:00 AM	01-40-1-049 (Lecture)
	Tuesday	1:00-3:00 PM	01-40-0-068 (Practical)
	Wednesday	1:00-3:00 PM	01-40-0-068 (Practical)
	Thursday	8:00-10:00 AM	01-40-0-068 (Practical)

Fourth: Course description:

Course description as stated in the Faculty or University guide (In Arabic and English):

The main purpose of the course is to give PharmD students a detailed background about pharmaceutical aspects of solid dosage forms such as tablets and capsule formulations, topical formulations, transdermal drug delivery systems and radiopharmaceuticals.

الهدف الاساسى لهذا المقرر هو اعطاء طلاب برنامج دكتور صيدلى معلومات مفصلة عن الاشكال الدوائية الصيدلانية الصلبة مثل الاقراص والكبسولات والمستحضرات الموضعية وانظمة توصيل الدواء عبر الجلد والمواد الصيدلانية المشعة.

Fifth: General course aims:

General course objectives (designate the sections and goals that are related to the course content)

- To demonstrate comprehensive knowledge and clear understanding of detailed information about tablets and capsules formulations.
- To describe detailed knowledge about topical formulations, rectal and vaginal suppositories.
- To recognize the transdermal drug delivery systems.
- To explain the use of radiopharmaceuticals in diagnostics and therapeutics purpose.

Cognitive Domain:

- Develop knowledge of students to rationally choose the formulations suitable for preparation of tablets and capsules formulations, topical formulations, rectal and vaginal suppositories and radiopharmaceuticals.

Psychomotor Domain:

- Prepare the student to accept all the characteristics of the profession and the physical work conditions.
- Demonstrate the exact work performance in the different fields as community pharmacists, clinical pharmacists, Industry pharmacistsetc.
- Illustrate the basic skills of dosage form formulation and selection.
- Evaluate the presentation skills.

Affective Domain:

- Illustrate the communication skills with the physicians.
- Illustrate the communication skills with the patients.

Sixth: Units schedule, topics, goals and temporal distribution of course during the semester:

Week No.	Units		Aims	Readings		Keywords
	Unit No.	Unit title		Refer ence No.	Pages	
1	1	Capsules-1	Hard gelatin capsules	1	203	capsule
2	2	Capsules-2	Soft gelatin capsules Compendial requirements for capsules Inspecting, counting, packaging, and storing capsules	1	203	Capsule shell Filling sealing
3	3	Tablets-1	Types of tablets	1	225	Multilayered tablet
4	4	Tablets-2	Quality control tests of tablets	1	225	Dissolution, disintegration
5		اليوم الوطني				
6	6	Tablets-3	Methods of tablet manufacture	1	225	Granulation
7	7	Topical dosage forms-1	Anatomy of skin	1	272	Epidemis, demis, hypodermis
8	8	الاختبار النصفى Midterm exam				
9	9	الاختبار النصفى Midterm exam				
10	10	Topical dosage forms-2	Ointment, cream, gel, past, plaster,	1	272	Ointment base
11	11	Suppositories and inserts-1	Physiology of human rectum	1	312	Rectum
12	12	Suppositories and inserts-2	Rectal suppositories Vaginal suppositories and inserts	1	312	Suppository base
13	13	Transdermal drug delivery system-1	Factors affecting percutaneous absorption Percutaneous absorption enhancers	1	294	Percutaneous absorption
14	14	اجازة منتصف الفصل الدراسي الاول				
15	15	Transdermal drug delivery system-2	Advantages and dis-advantages of TDDSs	1	294	First-pass effect
16	16	Radiopharmaceuticals 1	Introduction of radiopharmaceuticals		559	Radiation
17	17	Practical exam				
18	18	Final exam				
19	19	Final exam				
20	20	Final exam				

Seventh: References and readings:

1	Reference (by full documentation authentication system in the scientific field): 1- Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems. 9th Edition, by Loyd V. Allen Jr., Nicholas G. Popovich, Howard C. Answel. Lippinkott Williams and Wilkins 2011.
Additional resources of readings with documented source (book, Website, studies, working papers, etc....)	
1. Remington, the science and practice of pharmacy, 21st Edition, by Patrick J. Sinko. Lippincott Williams and Wilkins, 2006.	
2. Pharmaceutics: The Design and Manufacture of Medicines, 3rd Edition, by Michael Aulton, Churchill Livingstone, 2007.	

Eighth: Professor Policy in dealing with the students in the framework of laws and regulations and FAQ

1	Delay for attendance: University rules will be applied.
2	Cheating & Plagiarism: University rules will be applied.
3	Absenteeism: University rules will be applied.
4	Delay in providing the duties: 5% of the activity mark will be reduced for each day delay.
5	Checkout during the lecture: Allowed after permission.
6	Accommodation to sit inside the hall classroom: Allowed any place in the lecture room.
7	Failure to submit the exam on time: University rules will be applied.
8	The use of mobile devices: Prohibited
9	Eating & drinking: Prohibited
10	Talking during the lecture: Prohibited

Ninth: Evaluation and Exams Calendar:

Evaluation tool	Dates and duration	Scientific material involved in the Exam	Questions type	Marks out of 100	Guidelines & instructions
First Quiz	Fourth week	Lectures 1-3	MCQ, Short essays, complete, give reason	4 marks	Multitask exam measuring all kinds of the students talents with model answer from the lecture notes
Mid-term exam	Eighth-ninth week	Lectures 1-5	MCQ, Short essays, complete, give reason	30 marks	Multitask exam measuring all kinds of the students talents with model answer from the lecture notes
Students activity	Thirteenth week		Presentation, project or research	6 marks	Measuring the presentation skills of students.

Practical Exam	Seventeenth week	Practical experiments and theoretical parts	Practical	20 marks	Theoretical concepts and practical experiments
Final exam	Eighteenth week-twentieth weeks	Lectures 1-12	MCQ, Short essays, complete, give reason	40 marks	Multitask exam measuring all kinds of the students talents with model answer from the lecture notes