

QF02/0413-3.0E	Course Plan for Master program - Course Plan Development and Updating Procedures/ Pharmacy Department
----------------	--

Course Plan for Pharmaceutical Sciences (Master Program) No.: (2/ 2018-2019)

Approved by Deans Council by decision (07/03/2018-2019) dated (03/10/2018)

(33) Credit Hours

No.	Goals and learning outcomes
Goal 1	Deepening the students' understanding of the concepts of pharmaceutical manufacturing and drug delivery.
ILO 1.1	The student should be able to: Illustrate the advances in pharmaceutical manufacturing and drug development approaches.
ILO 1.2	Possess basic and advanced skills in terms of pharmaceutical analysis techniques utilized in scientific research, control authorities, pharmaceutical companies and pharmaceutical research centers.
GOAL 2	Empowering and expanding the students' knowledge and practice in the different pharmaceutical disciplines.
ILO 2.1	The student should be able to: Provide high quality pharmaceutical care to patients.
ILO 2.2	Design, synthesize and biologically evaluate the activity of the new compounds.
GOAL 3	Providing the students with necessary research skills.
ILO 3.1	The student should be able to: Play his/ her role efficiently either as an independent researcher or part of a research team.
ILO 3.2	Suggest ideas and write research proposals in the assigned area of pharmaceutical sciences.
ILO 3.3	Read, write, understand, interpret and criticize research articles.

QF02/0413-3.0E	Course Plan for Master program - Course Plan Development and Updating Procedures/ Pharmacy Department
----------------	--

1. Master thesis program:

Std Info.		Course No.	Course Name	Credit Hours
Pass.	Reg.			
a. Compulsory requirements (18) Credit hours				
<input type="checkbox"/>	<input type="checkbox"/>	0201705	Research Methodology & Biostatistics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201726	Clinical Pharmacology and therapeutics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201741	Advanced Pharmaceutical Analysis	3
<input type="checkbox"/>	<input type="checkbox"/>	0201743	Advanced Medicinal Chemistry and Drug Design	3
<input type="checkbox"/>	<input type="checkbox"/>	0201765	Advanced Biopharmaceutics & Pharmacokinetics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201766	Advanced Pharmaceutical Technology	3
b. Elective Courses (6) Credit hours				
<input type="checkbox"/>	<input type="checkbox"/>	0201711	Advanced Clinical Biochemistry	3
<input type="checkbox"/>	<input type="checkbox"/>	0201764	Pharmaceutical Biotechnology	3
<input type="checkbox"/>	<input type="checkbox"/>	0201744	Natural Products	3
<input type="checkbox"/>	<input type="checkbox"/>	0201768	Advanced Drug Delivery	3
<input type="checkbox"/>	<input type="checkbox"/>	0201700	Advanced Pharmaceutical Organic Chemistry	3
<input type="checkbox"/>	<input type="checkbox"/>	0201724	Pharmacogenetics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201767	Advanced Pharmaceutical Microbiology	3
		0201725	Advanced Therapeutics	3
c. Thesis (9) credit hours				
<input type="checkbox"/>	<input type="checkbox"/>	0201799	Pharmaceutical Sciences	9

QF02/0413-3.0E	Course Plan for Master program - Course Plan Development and Updating Procedures/ Pharmacy Department
----------------	--

2. Comprehensive exam program (33) Credit hours:

Std Info.		Course No.	Course Name	Credit Hours
Pass.	Reg.			
a. Compulsory requirements (24) Credit hours				
<input type="checkbox"/>	<input type="checkbox"/>	0201705	Research Methodology & Biostatistics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201726	Clinical Pharmacology and therapeutics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201741	Advanced Pharmaceutical Analysis	3
<input type="checkbox"/>	<input type="checkbox"/>	0201743	Advanced Medicinal Chemistry and Drug Design	3
<input type="checkbox"/>	<input type="checkbox"/>	0201766	Advanced Pharmaceutical Technology	3
<input type="checkbox"/>	<input type="checkbox"/>	0201765	Advanced Biopharmaceutics & Pharmacokinetics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201700	Advanced Pharmaceutical Organic Chemistry	3
<input type="checkbox"/>	<input type="checkbox"/>	0201706	Research Project	3
b. Elective Courses (9) Credit hours				
<input type="checkbox"/>	<input type="checkbox"/>	0201711	Advanced Clinical Biochemistry	3
<input type="checkbox"/>	<input type="checkbox"/>	0201725	Advanced Therapeutics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201764	Pharmaceutical Biotechnology	3
<input type="checkbox"/>	<input type="checkbox"/>	0201744	Natural Products	3
<input type="checkbox"/>	<input type="checkbox"/>	0201724	Pharmacogenetics	3
<input type="checkbox"/>	<input type="checkbox"/>	0201767	Advanced Pharmaceutical Microbiology	3
c. Comprehensive exam (0) credit hours				
<input type="checkbox"/>	<input type="checkbox"/>			0