

قائمة مقررات درجة دكتوراه الفلسفة في العلوم الصيدلانية
قسم الصيدلة الصناعية

1- Specialized : (18 cr. h)

١. مقررات تخصصية:

Courses

First Semester (9 cr. h)

No.	Course code	Courses	Credit hours	
			L	P
1	0603801	Pharmaceutical Packaging تغليف المستحضرات الصيدلانية	3	--
2	0603802	Seminar I بحث القائي I	3	--
3		Elective Course مقرر اختياري	3	--
Total			9	

Second Semester (9 cr. h)

No.	Course code	Courses	Credit hours	
			L	P
4	0603803	Recent Drug Delivery Systems أنظمة حديثة لتوصيل العقار	3	--
5	0603804	Seminar II بحث القائي II	3	--
6		Elective Course مقرر اختياري	3	--
Total			9	

Elective Courses

No.	Course code	Courses	Credit hours	
			L	P
1	0603805	Pharmaceutical Quality Control مراقبة الجودة للمستحضرات الصيدلانية	3	--
2	0603806	Drug Marketing تسويق الدواء	3	--
3	0603807	International Laws Controlling and Affecting Pharmaceutical Industry القوانين العالمية المنظمة والمؤثرة في الصناعة الصيدلانية	3	--
4	0603808	Selected Topics in Industrial Pharmacy موضوعات مختارة في الصيدلة الصناعية	3	--

وصف مقررات درجة دكتوراه الفلسفة في العلوم الصيدلانية
قسم الصيدلة الصناعية

First Semester (9 cr. h)

Course Name	Credit hours		Code No.
	L	P	
Pharmaceutical Packaging تغليف المستحضرات الصيدلانية	3	--	0603801
<p>Description: Requirements of a satisfactory package, different types of containers, spoilage mechanism, climatic hazards of distribution, packaging materials, types of glass, ferrous and non-ferrous metals, classification of polymers, technology of plastics, potential problems of containers.</p> <p>PIAT 10- Pharmaceutical Packaging University of Manchester/ UK</p> <ul style="list-style-type: none"> https://www.manchester.ac.uk/study/masters/courses/list/09123/msc-pharmaceutical-industrial-advanced-training-piat/?pg=all&unit=PHAR71100&unitYear=1 			

Second Semester (9 cr. h)

Course Name	Credit hours		Code No.
	L	P	
Recent Drug Delivery Systems أنظمة حديثة لتوصيل العقار	3	--	0603803
<p>Description: The topic includes fundamentals of controlled release systems such as; drug administration, ocular, intravaginal, intrauterine, transdermal, parenteral, implantable drug delivery systems, and regulatory considerations in controlled release medication.</p> <p>MS7032 Drug Delivery Systems London Metropolitan University/ UK</p> <ul style="list-style-type: none"> https://intranet.londonmet.ac.uk/module-catalogue/record.cfm?msid=FF1E2437-5D77-4F94-B80F5F7F123E5535 			

Elective Courses

Course Name	Credit hours		Code No.
	L	P	
Pharmaceutical Quality Control مراقبة الجودة للمستحضرات الصيدلانية	3	--	0603805
<p>Description: Control of quality including: control of quality variations, in-process quality control, finished product quality control, quality control during packaging operations, concept of statistical quality control assurance of finished products, testing programs and methods.</p> <p>PHAR61900 Quality Control University of Manchester/UK</p> <ul style="list-style-type: none"> https://www.manchester.ac.uk/study/masters/courses/list/09912/msc-pharmaceutical-technology-and-quality-assurance/?pg=all&unit=PHAR61900&unitYear=all 			

Course Name	Credit hours		Code No.
	L	P	
Drug Marketing تسويق الدواء	3	--	0603806
<p>Description: The topics include marketing research, marketing campaign, the four "P's", factors affecting increase in sales and market share, competitors' effect, selling skills. B7692-001 Pharmaceutical Commercialization - Strategy & Practice Columbia Business School/ NY/ USA</p> <ul style="list-style-type: none"> • https://www8.gsb.columbia.edu/courses/emba/2018/summer/b7692-001 			

Course Name	Credit hours		Code No.
	L	P	
International Laws Controlling and Affecting Pharmaceutical Industry القوانين العالمية المنظمة والمؤثرة في الصناعة الصيدلانية	3	--	0603807
<p>Description: Food and Drug administration (FDA), other laws governing pharmaceutical industry such as TRIPS and GATT, intellectual and industrial property, patents and trademarks, laws governing evaluation of new drug product, new drug application. Regulatory Affairs and Compliance University of California / USA</p> <ul style="list-style-type: none"> • https://ce.uci.edu/areas/life_sciences/regulatory_compliance/ 			

Course Name	Credit hours		Code No.
	L	P	
Selected Topics in Industrial Pharmacy موضوعات مختارة في الصيدلة الصناعية	3	--	0603808
<p>Description: Compression of solids and compressed dosage forms, drug targeting, aerosols, inhalation therapy, bio-adhesion, gene therapy. PHM321H1 Selected Topics in the Pharmaceutical Industry University of Toronto/ Canada</p> <ul style="list-style-type: none"> • https://pharmacy.utoronto.ca/programs-and-admissions/pharmd/current-students/year-3/year-3-course-descriptions/#PHM450H1%20Aboriginal%20Issues%20in%20Health%20and%20Healing 			