Ministry of Higher Education and Scientific Research
University of Modern Sciences
Faculty of Pharmacy





كلية الصيدلة

Course Specifications

التدريب الميداني

Professional Pharmacy Experience (I) & (II)

2014

Ministry of Higher Education and Scientific Research **University of Modern Sciences** Faculty of Pharmacy





L:

PROFESSIONAL PRACTICE EXPERIENCE (1)

	Course Identification and General Info	rmatio	on:				
1	Course Title:	Professional Practice Experience (1)					
2	Course Code &Number:	PHI	PP 514				
				С.Н			
			Theoreti	1	P.	Tr.	TOTAL
		L.	Tut.	S.			
3	Credit hours:		-	-		3	3*
4	Study level/ semester at which this course is offered:		(FIFTH) Year – (1 ST) semester				
	Pre –requisite (if any):	Pharmaceutics I, II & III					
5		• Pharmacology I, II & III					
		 Community pharmacy I & II 					
6	Co –requisite (if any):			nacoecon nacoepide		7	and
7	Program (s) in which the course is Faculty of pharmacy offered:						
8	Language of teaching the course: ENGLISH						
9	Location of teaching the course:	IN T	HE UNI	VERSIT	Y		

*: 3 credit hrs are equivalent to 325 contact hrs; 25 hrs/ week for 13 weeks lecturing; Tut: Tutorial, S: seminar; P: practical; Tr.: training

Course Description:

This is course concerns with training in actual fields and is designed to make the students able to apply their knowledge and skills in a real "community pharmacy" and Pharmaceutical manufacturing plants. The course is preceded by (community pharmacy I, II) courses which concerned in knowledge and patient counseling and pharmacy administration skills required for effective practicing in "community pharmacy. The course is co-requisite with the (pharmacoeconomics course) in order to link between pharmacist roles as provider of services to patients and as business men/women.

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6

8

D2

D4

D5



Intended learning outcomes of the course (CILOs) and their alignment to Program Intended



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learning outcomes (PILOs), teaching strategies and assessment strategies Alignment CILOs to PILOs No. **PILOs CILOs** A10 a1. Describe the role of pharmacist in actual life-practice in actual life-field of community pharmacies and pharmaceutical manufacturing plants. 2 **B**7 b1. Formulate and evaluate patient needs to OTC medications to improve patient safety and drug efficacy 3 C4 c1. Advice patients to optimize medicines use. 4 C6 c2. Apply administrative and pharmacoeconomics rules in "community pharmacy". 5 D1 d1. Communicate effectively and behave in discipline with colleagues, preceptor and boss,

community pharmacy practice

information on medications.

d2. Demonstrate the skills of time management and self-learning.

d3. Take responsibility for adaption to change needs in

d4. Retrieve evidence-based references to obtain correct

Alignment CILOs to teaching strategies and assessment strategies					
(a) Alignment Course Intended Learning Outcomes (CILOs) of knowledge skills to Teaching					
Strategies and Assessment Str	rategies:				
Course Intended Learning	Teaching strategies	Assessment Strategies			
Outcomes					
al	Field training	Committee Exam			
(b) Alignment Course Intende	ed Learning Outcomes (CILOs) of inte	ellectual Skills to			
Teaching Strategies and Asse	ssment Strategies:				
Course Intended Learning	Teaching strategies	Assessment Strategies			
Outcomes					
b1	Field training	Committee exam			
		Committee Exam,			
		Reporting &			
		accomplishment			
		assessment (by the			
		preceptor of training)			

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روه الصعيم المعلي والبسط المصد جامعة العلوم الحديثة كلية الصيدلة

(c)Alignment Course Intended Strategies and Assessment St	Learning Outcomes (CILOs) of intel	lectual Skills to Teaching
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
c1	Field training	Committee exam Committee Exam, Reporting & accomplishment assessment (by the preceptor of training)
c2	Field training	Reporting & accomplishment assessment (by the preceptor of training)
(d)Alignment Course Intended Teaching Strategies and Asse	Learning Outcomes (CILOs) of Trassment Strategies:	nsferable Skills to
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1, d3	Field training	Attitude assessment (by the preceptor of training)
d2, d4	Field training	Reporting & accomplishment assessment (by the preceptor of training)

	Course Content: Field training in a community pharmacy (supervised and monitored by preceptor) & visiting a manufacturing plant					
Order	Units/ Topics List	CILOs	Sub Topics List	No. of Weeks	contact hours	
1	Drug products arrangement and Storage	a1, b1, c1, c2, d1, d2, d3, d4	 Arrangement of drug products in community pharmacy Application the specific storage conditions for drug products Reporting of types of dug products in the pharmacy 	1- 3 rd week	75	
2	Skills of dispensing	a1, b1, c1, c2,	Application of Dispensing regulations	$4^{th} - 6^{th}$ week		

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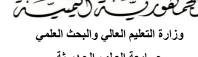




		d1, d2, d3, d4	 Medical prescriptions and interpretation Dispensing of controlled drugs 		75
	Mi	d-term as	sessment week	7 th week	
3	skills of Patients counseling services & drug information	a1, b1, c1, c2, d1, d2, d3, d4	 Skills of communication with patients Responding to patients' questions Counseling related to Drug products use Recommendation of OTC products Drug indexes: types, how to use 	8 th –9 th week	50
4	Pharmacy management	a1, b1, c1, c2, d1, d2, d3, d4	 Employments leadership Sale & purchasing skills Ordering of drug products Documentation Financial tasks. 	10 th week – 11 th week	50
	Drug plants	a1, b1, d1, d2, d3	Visiting 2 local pharmaceutical plants: Students are intended to visit 2 pharmaceutical manufacturing companies in order to accomplish the following tasks: • Quality control ○ Identifying processes of Sampling and analysis of raw materials ○ Identifying processes Sampling and analysis of pharmaceutical dosage forms. ○ Identifying Microbiological analysis in the plant	12 th -14 th weeks	75

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ره التعليم التعالي والبحث التعمي جــــامعة العلوم الحديـــثة كلية الصيدلة

			a Identifyina ymit awartiau		
			• Identifying unit-operation		
			employed for pharmaceutical		
			dosage forms production:		
			o Solid dosage forms		
			o Liquid dosage forms		
			o Semisolid dosage		
			forms		
			• Identifying the aspects of		
			Pharmaceutical research and		
			development.		
			 Master file 		
			o Similar Products		
			investigation		
			 Formulation steps 		
			 Stability studies 		
]	FINAL -	assesment	15 th week	
					325 actual
TOT	AL				contact
					hours
					3 credit
					hours
Number of Weeks			15	equivalent	
			15 weeks	to 325	
					contact
					hours

Teaching strategies of the course:

Field training: each 2-3 students are commissioned to do certain assignments in a real field entity such as drug factory, pharmacies under supervision of both the field principal and an academic preceptor

	Accomplishment and Reporting assignment:			
No	Assignments	Aligned CILOs	Week Due	
1	Individual: each student is assigned complete all tasks mentioned in the course content and to fill the field-training log book and answers all questions in it.	a1, b1, c1, c2, d2, d4	$1^{st} - 14^{th}$ week	

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Schedule of Assessment Tasks for Students During the Semester							
No.	Assessm	ent Method	Week Due	Mark	Proportion of Total course Assessment	Aligned Course Learning Outcomes (CILOs)	
1	Training works	Attitude	1-15	20	20 %	d1, d3	
2	Assessment (by preceptor) Documentation of performance		12	50	50 %	a1, b1, c1, c2, d2, d4	
4	Final Committee exam * (Oral exam)			30	30 %	a1, b1, c1, c2, d1, d2, d3, d4	
TOTAL					100 %		

^{*:} A committee of three of the teaching stuff including the preceptor of the training.

The marks of the committee exam is divided as follows:

Item	Mark
preceptor	80
Committee member (A member of staff of pharmacy department)	20

General Rule

• The student should provide a signed letter form the from the community pharmacy where he has practiced. The letters shall confirm the student's appropriate attendance, behavior and number hours of practice. No student will be allowed to enter the final exam without such letters.

Learning Resources:
1- Required Textbook(s) (maximum two).
 Lillian M Azzopardi. Lecture notes on pharmacy practice, Pharmaceutical press. A Langley, Dawn Belcher. Applied pharmaceutical skills, Pharmaceutical press.
2- Essential References.
 Agarwal. Dispensing and community pharmacy Jain. A text book of professional pharmacy

Course Policies:

1. Attendance: At least 75 % of the course hours should be attended by the student. Otherwise, he/she will not be allowed to attend the final exam

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PROFESSIONAL PRACTICE EXPERIENCE (2)

	Course Identification and General Information:					
1	Course Title:	PROFESSIONAL PRACTICE EXPERIENCE				
2	Course Code &Number:	PHPP 524				
3	Credit hours:	Theoretical P. Tr. TOTAL L. Tut. S 3* - The Actual contact hours are (325 hours)				
4	Study level/ semester at which this course is offered:	(5 TH) Year – (SECOND) semester				
5	Pre –requisite (if any):	 Pharmaceutics I, II & III Clinical pharmacy II Pharmacology I & II & III 				
6	Co –requisite (if any):	Hospital pharmacy				
7	Program (s) in which the course is offered:	Faculty of pharmacy				
8	Language of teaching the course:	ENGLISH				
9	Location of teaching the course:	IN THE UNIVERSITY				

*: 3 credit hrs are equivalent to 3 25contact hrs; 2 5hrs/ week for 13 weeks L: lecturing; Tut: Tutorial, S: seminar; P: practical; Tr.: training

Course Description:

This is course is the second training course in the program and it concerns with actual training and visits to real life-fields including: hospitals and health care units. The course is co-requisite with the (hospital pharmacy course) in order to make the students able to apply their knowledge and skills attained with the relevant course into real practice in hospitals.

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Intended learning outcomes of the course (CILOs) and their alignment to Program Intended learning outcomes (PILOs), teaching strategies and assessment strategies

learning	learning outcomes (PILOs), teaching strategies and assessment strategies					
	Alignment CILOs to PILOs					
No.	PILOs	CILOs				
1.	A10	a1. Describe the role of pharmacist in actual life-practice in hospitals and health care units.				
2.	В3	b1. Design and evaluate different types of pharmaceutical products.				
3.	C4	c1. Advice patients to optimize medicines use.				
4.	C6	c2 . Apply administrative and pharmacoeconomics rules in hospitals.				
5.	D1	d1. Communicate effectively and behave in discipline with colleagues, preceptor and field managers.				
6.	D2	d2. Demonstrate the skills of time management.				
7.	D4	d3. Take responsibility for adaption to change needs in pharmacy practice				
8.	D5	d4. Retrieve evidence-based references to obtain correct information on medications.				

Alignment CILOs to teaching strategies and assessment strategies					
(a) Alignment Course Intended Learning Outcomes (CILOs) of knowledge skills to Teaching					
Strategies and Assessment Strategies:					
Course Intended Learning	Teaching strategies	Assessment Strategies			
Outcomes					
a1	Field training	Committee Exam			
(b) Alignment Course Intended Learning Outcomes (CILOs) of intellectual Skills to					
Teaching Strategies and Asse	essment Strategies:				
Course Intended Learning	Teaching strategies	Assessment Strategies			
Outcomes					
Outcomes					
b1	Field training	Committee exam			
	Field training	Committee exam Committee Exam,			
	Field training				
	Field training	Committee Exam,			
	Field training	Committee Exam, Reporting &			
	Field training	Committee Exam, Reporting & accomplishment			

(b)Alignment Course Intended Learning Outcomes (CILOs) of intellectual Skills to Teaching Strategies and Assessment Strategies:

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Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies			
c1	Field training	Committee exam Committee Exam, Reporting & accomplishment assessment (by the preceptor of training)			
c2	Field training	Reporting & accomplishment assessment (by the preceptor of training)			
` '	(d)Alignment Course Intended Learning Outcomes (CILOs) of Transferable Skills to Teaching Strategies and Assessment Strategies:				
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies			
d1, d3	Field training	Attitude assessment (by the preceptor of training)			
d2, d4	Field training	Reporting & accomplishment assessment (by the preceptor of training)			

	Course Content: Field training in a hospital pharmacy (supervised and monitored by preceptor) and clinical centre				
Orde r	Units/ Topics List	CI LO s	Sub Topics List	No. of Weeks	contact hours
	Hospital training	a1, b1, c1, c2, d1, d2, d3, d4	 Training in the hospital Hospital pharmacy tasks Distribute drugs to in-patients Dispense drugs to in-patients and out-patients Arrangement of hospital specific drug products: operations and preoperative drug products, emergency drug products Documenting performing Medical supply practice in the hospital 	1 st -6 th weeks	150

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Mid-term assessment week			
	Clinical tasks Checking of patients prescription using reliable references e.g Medscape Evaluation of patient medication record	8 th -11 th	100
Clinical pharmacist as a member of the health care team	o sharing in morning rotation and discussion, cooperation with other members a3, o patient's medical record (PMR) components, examples o Skills of communication with patients	12 th week	25
Clinical skills of diagnosis and data interpretation	 Clinical features Physical (clinical) examinations methods and interpretation Vital signs evaluation and interpretation Clinical lab. Data interpretation: blood analysis (CBC, serology biochemistry, tumor markers), stood analysis, urine analysis. Clinical instrumental diagnosis techniques and data interpretation Radiography, ultrasonography Computed Tomography Scan (Cascan), Magnetic Resonance Imaging 	1 13 th -14 th weeks	50
FINAL – assessment week			2 and 1: 1:
TOTAL			3 credit hours equivalent to 325 contact hours
Number of Weeks /and Units Per Semester			325 actual contact hours

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Teaching strategies of the course:

Field training: each 2-3 students are commissioned to do certain assignments in a real field entity such as clinical centers, hospital pharmacies under supervision of both the field principal and an academic preceptor

Accomplishment and Reporting assignment:						
No	Assignments	Aligned CILOs	Week Due			
1	Individual: each student is assigned complete all tasks mentioned in the course content and to fill the field-training booklet and answers all questions in it.	a1, b1, c1, c2, d2, d4	1- 14 week			

Sche	Schedule of Assessment Tasks for Students During the Semester						
No.	Assessment Method		Week Due	Mark	Proportion of Total course Assessment	Aligned Course Learning Outcomes (CILOs)	
1	Training works	Attitude	1-15	20	20 %	d1, d3	
2	Assessment (by the preceptor of training)	Reporting and accomplishment	12	50	50 %	a1, b1, c1, c2, d2, d4	
3	Final Committee exam * (Oral exam)			30	30 %	a1, b1, c1, c2, d1, d2, d3, d4	
TOTAL			100	100 %			

^{*:} A committee of three of the teaching stuff including the preceptor of the training.

The marks of the committee exam is divided as follows:

Item	Mark
preceptor	80
Committee member (A member of staff of pharmacy department)	20

General Rule

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• The student should provide a signed letter form the from the community pharmacy where he has practiced. The letters shall confirm the student's appropriate attendance, behavior and number hours of practice. No student will be allowed to enter the final exam without such letters.

Learning Resources:

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- 4. A Langley, Dawn Belcher. Applied pharmaceutical skills, Pharmaceutical press.
- 2- Essential References.
 - 3. Agarwal. Dispensing and community pharmacy
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