


Philadelphia University	 <b>PHILADELPHIA UNIVERSITY</b> <small>THE WAY TO THE FUTURE</small>	Approved Date:
Faculty: Pharmacy		Issue: 1
Department:		Credit Hours:1
Academic Year:		<b>Course Syllabus</b>

### Course Information

Course No.	Course Title	Prerequisite	
0520404	Pharmacy practice (1)	Pharmacology 1 (0520328)	
Course Type		Class Time	Room No.
<input type="checkbox"/> University Requirement <input type="checkbox"/> Faculty Requirement <input type="checkbox"/> Major Requirement <input checked="" type="checkbox"/> Compulsory			

### Instructure Information

Name	Office No.	Phone No.	Office Hours	E-mail
	Faculty of pharmacy			

### Course Delivery Method

<input type="checkbox"/> Blended <input type="checkbox"/> Online <input checked="" type="checkbox"/> Physical			
Learning Model			
Percentage	Synchronous	Asynchronous	Physical
			100%

### Course Description

The course comprises lectures material & practical training. The lectures will cover the proper customer service, communication skills, directions for memorizing brand names, dosage forms and their strength. These lectures will also cover purchasing, merchandizing and budgeting in addition to marketing tip in community pharmacy. The main topics of lectures will be about patient counseling on the use of antibiotics, anti-hypertensives, hypoglycemic and cardiovascular drugs. The practical training will be carried out in the university's simulation pharmacy. This training will focus on how to use the accounting program and role-plays covering customer service and proper communication skills according to patient's personality. On the other hand the training would help students covering wide range of clinical cases, different patient personalities as well as reading many prescriptions on which students must prepare reports on what they have learnt and experienced during the course & the training program

### Course Learning Outcomes

Number	Outcome	Corresponding Program Outcomes	Corresponding Competencies
<b>Knowledge</b>			
<b>K1</b>	To define the Community pharmacy and hospital Pharmacy and know the difference between the two To know the different types of arrangements on pharmacy shelves To gain knowledge on supply chain and ordering system, Inventory control and how to preserve medicines and monitoring their expiration date - Knowing the different types of Para Pharmaceutical and Supplements -Using the Drug Information resources including websites such as JFDA and JPA	<b>Kp1, KP4</b>	<b>C1,C4</b>
<b>K2</b>	Customer service Pharmaceutical counseling about different devices and how to apply and use them	<b>Kp4,KP2,SP4,SP3,SP6</b>	<b>C4,C2,C10,C9C12</b>
<b>K3</b>	Be familiar with clinical presentations and the differential lab and physical examinations of different diseases.	<b>Kp1, Kp2</b>	<b>C1, C2</b>
<b>Skills</b>			
<b>S1</b>	Dealing with mistakes management found in prescriptions	<b>Sp2</b>	<b>C8</b>
<b>S2</b>	How to deal with different types of customer of the Pharmaceutical Industry	<b>Sp 6, Sp4</b>	<b>C10, C12</b>
<b>S3</b>	Give patients' appropriate counseling about their non pharmacological and pharmacological therapy.	<b>Sp3</b>	<b>C9</b>
<b>S4</b>	How to deal with different types of customer of the Pharmaceutical Industry To gain Communication skills in pharmaceutical field	<b>Sp5, Sp6, Sp8</b>	<b>C11, C12, C14</b>

### Learning Resources

<b>Course Textbook</b>	Basic and Clinical pharmacology, Katzung BG, Masters SB, Trevor AJ (editors), McGraw Hill,
------------------------	--

	New York, 14th edition, 2018 ISBN 978-1-259-64115-2.  and Kevin M. G. Taylor. Pub.: Churchill Livingstone, 5th edition, 2018. ISBN: 978-0-7020-70051
<b>Supporting Websites</b>	Philadelphia University e-learning site
<b>Teaching Environment</b>	<input checked="" type="checkbox"/> Classroom <input type="checkbox"/> laboratory <input type="checkbox"/> Learning Platform <input type="checkbox"/> Other

### Meetings and Subjects Time Table

Week	Topic	Learning Method*	Task	Learning Material
1-2	1. Community pharmacy and hospital Pharmacy ▪ Introduction and definition ▪ Arrangements of Drugs on pharmacy shelves ▪ Difference between community pharmacy medications and Hospital pharmacy	Lecture		• Vision and Mission of Faculty of Pharmacy • Course Syllabus
3-4	Community pharmacy and Hospital pharmacy management ▪ Supply chain and ordering ▪ Inventory control ▪ Preserving medicines and expiration	Lecture	<b>Group Project (Clinical Case Solving)</b>	**
5-6	▪ Prescriptions ▪ Types of prescriptions ▪ How to Read a prescription ▪ Mistakes management in prescriptions	Lecture		
7	Prescriptive and OTC drugs (Definition, Rx-to-OTC switch, Off-label use of drugs) ▪ Para Pharmaceutical ▪ Supplements Types	Lecture		
8-9	Communication skills in pharmaceutical field ▪ Customer service ▪ Types of customers and how to deal with them ▪ Empowering the role of pharmacist in front of community ▪ Patients ▪ Medical Representatives ▪ Doctors ▪ Suppliers	Lecture		
10-14	Pharmaceutical counseling about	Lecture		

	different devices and how to apply and use them			
--	---	--	--	--

\*Includes: lecture, flipped Class, project based learning, problem solving based learning, collaboration learning.

\*\*As illustrated in the references section.

\*Quiz 3: TBA

### Course Contributing to Learner Skill Development

Using Technology
<ul style="list-style-type: none"> <li>Using Microsoft office to prepare reports and presentations</li> <li>Using online medical applications/ calculators in solving some clinical problems</li> <li>Using the university's e-learning site as a supporting reference tool and for term works solving</li> </ul>
Communication Skills
<ul style="list-style-type: none"> <li>Clinical case presentation and solving</li> <li>Teamwork and group discussions engagement</li> </ul>
Application of Concept Learnt
<ul style="list-style-type: none"> <li>Clinical cases solving</li> </ul>

### Assessment Methods and Grade Distribution

Assessment Methods	Grade	Assessment Time (Week No.)	Course Outcomes to be Assessed
Quizzes	% 30	Continous	K1-K3 S1-S3
Reports and Projects*	% 30	Continous	K1-K3 S1-S4
Final Exam	% 40	16 <sup>th</sup> week	K1-K3 S1-S3
<b>Total</b>	<b>%100</b>		

\* Include: quizzes, in-class and out of class assignment, presentations, reports, videotaped assignment, group or individual project.

### Alignment of Course Outcomes with Learning and Assessment Methods

Number	Learning Outcomes	Corresponding Competencies	Learning Method*	Assessment Method**
<b>Knowledge</b>				
<b>K1</b>	Apply the knowledge obtained from this course to solve treatment problems associated with different diseases.	C3	Lecture  Project based learning	Exams  Group project

<b>K2</b>	*To integrate and apply pathophysiologic and pharmacotherapeutic knowledge to develop a drug therapy plan specific for each patient condition taking into account population differences and social determinants and their effect on medical care. *Being the medication expert and properly provide a patient centered care (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans and document activities)	C1, C2, C4, C5	Lecture  Project based learning	Exams  Group project
<b>K3</b>	Be familiar with clinical presentations and the differential lab and physical examinations of different diseases.	C1, C2	Lecture  Project based learning	Exams  Group project
<b>Skills</b>				
<b>S1</b>	Use evidence-based medicine to think critically of different medical cases.	C8	Lecture  Project based learning	Exams  Group project
<b>S2</b>	To provide the patient with a comprehensive treatment plan for his condition.	C7, C10	Lecture  Project based learning	Exams  Group project
<b>S3</b>	Give patients' appropriate counseling about their non pharmacological and pharmacological therapy.	C9	Lecture  Project based learning	Group project
<b>S4</b>	Communicate appropriately with patient and medical staff.	C9, C11, C12, C14	Lecture  Project based learning	Group project

\*Include: lecture, flipped class, project based learning, problem solving based learning, collaboration learning.

\*\* Include: quizzes, in-class and out of class assignments, presentations, reports, videotaped assignments, group or individual projects.

### Course Policies

Policy	Policy Requirements
<b>Passing Grade</b>	The minimum pass for the course is (50%) and the minimum final mark is (35%).
<b>Missing</b>	<ul style="list-style-type: none"> <li>Anyone absent from a declared semester exam without a sick or compulsive excuse accepted by the dean of the college that proposes the course, a zero mark shall be placed on that exam and calculated</li> </ul>

<b>Exams</b>	<p>in his final mark.</p> <ul style="list-style-type: none"> <li>• Anyone absent from a declared semester exam with a sick or compulsive excuse accepted by the dean of the college that proposes the course must submit proof of his excuse within a week from the date of the excuse's disappearance, and in this case, the subject teacher must hold a compensation exam for the student.</li> <li>• Anyone absent from a final exam with a sick excuse or a compulsive excuse accepted by the dean of the college that proposes the material must submit proof of his excuse within three days from the date of holding that exam.</li> </ul>
<b>Attendance</b>	<p>The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to 2 lecture days . If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory or compulsive excuse accepted by the dean of the faculty, he is prohibited from taking the final exam and his result in that subject is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college that The article is introduced, it is considered withdrawn from that article, and the provisions of withdrawal shall apply to it.</p>
<b>Academic Integrity</b>	<p>Philadelphia University pays special attention to the issue of academic integrity, and the penalties stipulated in the university's instructions are applied to those who are proven to have committed an act that violates academic integrity, such as cheating, plagiarism (academic theft), collusion, intellectual property rights.</p>

### Program Learning Outcomes to be Assessed in this Course

	<b>Learning Outcome</b>	<b>Number</b>	<b>Assessment Method</b>	<b>Targeted Performance level</b>
<b>K1</b>	Apply the knowledge obtained from this course to solve treatment problems associated with different diseases.	C3	Lecture  Project based learning	
<b>K2</b>	<p>*To integrate and apply pathophysiologic and pharmacotherapeutic knowledge to develop a drug therapy plan specific for each patient condition taking into account population differences and social determinants and their effect on medical care.</p> <p>*Being the medication expert and properly provide a patient centered care (collect and interpret evidence, prioritize, formulate assessments and</p>	C1, C2, C4, C5	Lecture  Project based learning	

	recommendations, implement, monitor and adjust plans and document activities)			
<b>K3</b>	Be familiar with clinical presentations and the differential lab and physical examinations of different diseases.	C1, C2	Lecture Project based learning	
<b>S1</b>	Use evidence-based medicine to think critically of different medical cases.	C8	Lecture Project based learning	
<b>S2</b>	To provide the patient with a comprehensive treatment plan for his condition.	C7, C10	Lecture Project based learning	
<b>S3</b>	Give patients' appropriate counseling about their non pharmacological and pharmacological therapy.	C9	Lecture Project based learning	
<b>S4</b>	Communicate appropriately with patient and medical staff.	C9, C11, C12, C14	Lecture Project based learning	

**Program learning outcomes to be assessed in this course**

<b>Number</b>	<b>Learning Outcome</b>	<b>Course Title</b>	<b>Assessment Method</b>	<b>Targeted Performance level</b>

**Description of Program learning Outcomes Assessment Method**

<b>Number</b>	<b>Detailed Description of Assessment</b>

## **Assessment Rubric of the Program Learning Outcomes**

**Each groups of the students will design a brochure about specific medication or disease and the assessment for this will be out of 10 points as follow:**

**Two points that the brochure was delivered by the deadline.**

**Two points that the brochure does not contain plagiarism.**

**Two points that the brochure is written in correct scientific language that is understood by the patient.**

**Two points that the brochure contains sufficient information on the specific topic.**

**Two points on presentation and arrangement of information smoothly.**