


Philadelphia University	 <b>PHILADELPHIA UNIVERSITY</b> <small>THE WAY TO THE FUTURE</small>	Approved Date:
Faculty: Pharmacy		Issue: 1
Department:		Credit Hours: 3
Academic Year: 2021/2022		<b>Course Syllabus</b>

### Course Information

Course No.	Course Title	Prerequisite
0520500	Clinical Pharmacy and Therapeutics I	0520432
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	<input type="checkbox"/> <input type="checkbox"/> Elective	TBA
	1. Sun, Tues (9:45-11:15) 2. Mon, Wed (11:15-12:45)	

### Instructure Information

Name	Office No.	Phone No.	Office Hours	E-mail
Dr. Sama' Abderahman	Faculty of Nursing	+962263744 Ext:2203	TBA	sabderahman@philadelphia.edu.jo

### Course Delivery Method

<input type="checkbox"/> Blended	<input type="checkbox"/> Online	<input checked="" type="checkbox"/> Physical
Learning Model		
Percentage	Synchronous	Asynchronous
	0	0
		100%

### Course Description

This course provides an introduction to integrative therapeutic modalities which are used in health care. It focuses on various aspects of clinical therapeutics, where students receive information about important areas in therapeutics including the gastrointestinal, cardiovascular, endocrine and respiratory diseases. Various clinical cases of different diseases will be discussed to assess the patient's condition, determine reasonable treatment alternatives as well as to select appropriate therapy (pharmacological and non-pharmacological therapy), including monitoring parameters to justify those choices. In this course, students will study different conditions such as: peptic ulcer disease (PUD) and gastroesophageal reflux (GERD), inflammatory bowel disease (IBD). In addition, students will comprehend the management of hypertension, heart failure, myocardial infarction, and coagulopathy, as well as studying some respiratory disorders (asthma), besides to the treatment of diabetes mellitus and the various thyroid disorders.

## Course Learning Outcomes

Number	Outcome	Corresponding Program Outcomes	Corresponding Competencies
<b>Knowledge</b>			
<b>K1</b>	Apply the knowledge obtained from this course to solve treatment problems associated with different diseases.	<b>Kp3</b>	<b>C3</b>
<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).	<b>Kp1, Kp2, Kp4, Kp5</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>	Use evidence-based medicine to think critically of different medical cases.	<b>Sp2</b>	<b>C8</b>
<b>S2</b>	To provide the patient with a comprehensive treatment plan for his condition.	<b>Sp1, Sp4</b>	<b>C7, C10</b>
<b>S3</b>	Give patients' appropriate counseling about their non pharmacological and pharmacological therapy.	<b>Sp3</b>	<b>C9</b>
<b>S4</b>	Communicate appropriately with patient and medical staff.	<b>Sp3, Sp5, Sp6, Sp8</b>	<b>C9, C11, C12, C14</b>

## Learning Resources

<b>Course Textbook</b>	<ul style="list-style-type: none"> <li>• <b>Pharmacotherapy: A Pathophysiologic Approach</b> by: Joseph T. DiPiro, Gary C. Yee, L. Michael Posey, Stuart T. Haines, Thomas D. Nolin, Vicki Ellingrod. 11th edition, 2020.</li> <li>• <b>Applied Therapeutics (Koda Kimble and Youngs Applied Therapeutics)</b>, 12th, 2018.</li> </ul>
<b>Supporting References</b>	<ol style="list-style-type: none"> <li>1. <b>Lippincott, Illustrated Reviews: Pharmacology</b> by Whalen K, 6th edition, 2018.</li> <li>2. <b>The Pharmacological Basis of Therapeutics</b> by Brunton; Laurence L. Lazo, Johns S. Parker, Keith L &amp; Alfred Goodman Gillman 11th edition McGraw Hill. ISBN 0-07-142.</li> <li>3. Data from <b>updated relevant guidelines</b>.</li> </ol>

<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	<ul style="list-style-type: none"> <li>Course Syllabus</li> <li>General Principles (Pharmacy Care and Medication Therapy Management)</li> </ul>	Lecture		•Course Syllabus
1-4	Hypertension	Lecture	<b>Quiz 1</b>	**
4-5	Heart Failure	Lecture		
6-7	Acute Coronary syndrome	Lecture		
7	<b>Midterm Exam</b>			
7-8	Venous Thromboembolism	Lecture	<b>Quiz 2</b>	
9	GERD, Peptic ulcer	Lecture		
10-11	Inflammatory Bowel Disease	Lecture		**
12	Asthma	Lecture		
13-14	Diabetes Mellitus	Lecture	<b>Quiz 3</b>	
14-15	Thyroid	Lecture		
15	Constipation and Diarrhea	Flipped class		
16	<b>Final Exam</b>			

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

\*\*As illustrated in the references section.

\*Quiz 4: 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
Mid Exam	% 30	7 <sup>th</sup> week	K1-K3 S1-S3
Reports and Projects*	% 30	Continuous	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	Exams
<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	Exams
<b>K3</b>	Be familiar with clinical presentations and the differential lab and physical examinations of different diseases.	C1, C2	Lecture	Exams
<b>Skills</b>				
<b>S1</b>	Use evidence-based medicine to think critically of different medical cases.	C8	Lecture	Exams
<b>S2</b>	To provide the patient with a comprehensive treatment plan for his condition.	C7, C10	Lecture	Exams
<b>S3</b>	Give patients' appropriate counseling about their non	C9	Lecture	Exams

	pharmacological and pharmacological therapy.			
<b>S4</b>	Communicate appropriately with patient and medical staff.	C9, C11, C12, C14	Lecture	Discussions

\*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 Polices

Policy	Policy Requirements
<b>Passing Grade</b>	The minimum pass for the course is (50%) and the minimum final mark is (35%).
<b>Missing Exams</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 in his final mark.</li> <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>	The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to six lecture days (n t) and seven lectures (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.
<b>Academic Integrity</b>	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.

**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**

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