Philadelphia University	PHILADELPHIA UNIVERSITY THE WAY TO THE FUTURE	**Approval date:**
Faculty: Nursing		**Issue:**
Department: Nursing		**Credit hours: 3**
Academic year 2021/2022	**Course Syllabus**	**Bachelor**

Course information

Course#	Course title	Co /Pre-requisite
0910270	**Pharmacology for Nursing**	**Biochemistry (0240249)**

Course type	Class time	Room #
☐ University Requirement ☒ Faculty Requirement ☐ Major Requirement ☐ Elective ☐ Compulsory	**Monday, Wensday 9:45-11:15 pm**	**415**

Instructor Information

Name	Office No.	Phone No.	Office Hours	E-mail
Prof. Dr. Abdul-Monim Batiha	**1st Floor Deputy-Dean's office**	**2123**	**10:30-12:30 Sunday/Thursday**	***abatiha@philadelphia.edu.jo***

Course Delivery Method

Course Delivery Method			
☒ **Physical**	☐ **Online**	☐ **Blended**	
Learning Model			
Precentage	**Synchronous**	**Asynchronous**	**Physical**
			100%

Course Description

This course provides an overview of drug categories and actions as applied to clients of all ages, with an emphasis on nursing care. The emphasis in this course will be on developing an understanding of how a particular type of drug works in the body and why it is given. Understanding between normal anatomy and physiology, pathophysiology, and the characteristics and actions of a particular drug will be stressed. Once the learner is able to correctly classify a drug, and he/she understands how that type of drug works in the body, the actions, side effects, and nursing implications of that drug should become apparent.

Course Learning Outcomes

	Number	Outcomes	Corresponding Program outcomes
	Knowledge		
1	**K1**	Describe the uses, actions, effects, indication and contraindication and nursing implications of general classifications of drugs and selected specific drugs.	**KP1**
2	**K2**	List the names of drugs that belong to a specified drug class and some regulatory issues related to drugs administration.	**KP1, KP2**
3	**K3**	Identify major sites of absorption, distribution, metabolism , excretion of drugs in general, and the factors that influence.	**KP1, KP2**
5	**S1**	Apply the gained knowledge related to principles of medication preparation, administrations and drug calculations.	**SP1**
6	**S2**	Demonstrate how to identify and use available resources for the knowledgeable and safe administration of drugs.	**SP2**
	Competences		
8	**C1**	Utilize the nursing implications in the administration of drugs to clients across the life span in a variety of settings.	**CP1**

Learning Resources

Course textbook	Mosby's Pharmacology Memory NoteCards: Visual, Mnemonic, and Memory Aids for Nurses 5th Edition.(2019) ISBN-13: 978-0323549516. ISBN-10: 0323549519
Supporting References	Medical pharmacology, Udaykumar, Padmaja (Author), New Delhi: CBS Publishers & Distributors Pvt Ltd., 2011, 3d edition, ISBN: 978-81-239-1966-9. How drugs work: basic pharmacology for healthcare professionals, McGavock ,Hugh (Author), Oxford: Radcliffe Publishing , 2011, 3d edition, ISBN: 978-1-84619-478-8.
Supporting websites	https://www.youtube.com/watch?v=KGCxR_a9694 https://www.youtube.com/watch?v=GePDYx2w7eE https://www.youtube.com/watch?v=Jc_c02aSfmM https://www.youtube.com/watch?v=oCXuGxBETLk
Teaching Environment	☒**Classroom** ☐ **laboratory** ☐**Learning platform** ☐**Other**

Meetings and subjects timetable

Week	Topic	Learning Methods	Tasks	Learning Material
1 **19/10/2021**	**INTRODUCTION** • **O**rientation (course Syllabus) • Safety measures and precautions (faculty and lab) • Safety use of equipment's, materials and machines in the lab, practice setting **ADMINISTRATION** Medication Administration, 1 Medication Calculation, 3 Peak and Trough, 7 Guide to Drug Overdose, 9	Lecture	Mid	Text book Selected teaching material
2 **26/10/2021**	**ANTIBIOTICS/ ANTIVIRALS**	Lecture and video discussion	Mid	Text book Selected teaching material
3 **2/11/2021**	**ANTICOAGULANTS AND HEMATINICS**	Video discussion, lecture	Mid Individual assignment	Text book
4 **9/11/2021**	**CARDIAC** Antihypertensives, 53 Beta-Blockers, 57 Angiotension-Converting Enzyme (ACE) Inhibitors, 59 Calcium Channel Blockers, 61 Antidysrhythmics, 65 Digitalis, 67 Alpha-Adrenergic Antagonists (Aipha-Biockers)-Side Effects, 73 Beta-Blocker Actions, 75 Antihyerlipedimic	lecture	Mid and quiz	Text book
5 **16/11/2021**	**CNS**	Lecture	Mid	Text book
6 **23/11/2021**	**DIURETICS**	Lecture	Mid	All previous discussed topics
7	**ENDOCRINE and metabolic**	Group	Mid	Text book

30/11/2021		discussion Lecture		
8 **7/12/2021**	**GASTROINTESTINAL** **MISCELLANEOUS**	Lecture	Mid Quiz	Text book
9 **14/12/2021**	**MUSCULOSKELETAL**	Lecture Video	Mid Assignment	Text book Selected teaching material
10 **21/12/2021**	**PAIN**	Lecture Collaborative learning	Mid exam	Text book
11 **28/12/2021**	**PSYCHIATRIC**	Lecture Collaborative learning	Final	All previous topics
12 **4/1/2022**	**PSYCHIATRIC**	Lecture Video presentation	Final	Selected websites Text book
13 **11/1/2022**	**PULMONARY** Antihistamines, 169 Bronchodilators, 171 Antitussives, Expectorants, and Mucolytics, 175	Lecture	Final Individual assignment	Text book
14 **18/1/2022**	**REPRODUCTIVE/OS**	Lecture Problem based learning	Final	Text book Selected websites
15 **25/1/2022**	Revision	Lecture		Text books
16 **1/2/2022**	**Final exam**	Lecture		

* includes: Lecture, flipped Class, project- based learning, problem solving based learning, collaborative learning

☐ Online session

Course Contributing to Learner Skill Development

Using Technology
Use data-bases and platforms effectively to support evidence based knowledge and practice
Communication skills
Self-reflection, friendliness, confidence, empathy, respect, responsiveness, morality.
Application of concepts learnt
Apply leadership and lifelong learning skills

Assessment Methods and Grade Distribution

Assessment Methods	Grade Weight	Assessment Time (Week No.)	Link to Course Outcomes

Mid Term Exam	**% 30**	**8th week**	
Various Assessments *	**% 30**	**Overall course duration**	
Final Exam	**% 40**	**16th week**	
Total	**%100**		

* includes: quiz, in class and out of class assignment, presentations , reports, videotaped assignment, group or individual projects.

Alignment of Course Outcomes with Learning and Assessment Methods

Number	Learning Outcomes	Learning Method*	Assessment Method**
Knowledge			
K1	Describe the uses, actions, effects, indication and contraindication and nursing implications of general classifications of drugs and selected specific drugs.	Lecture Collaborative learning	Quiz and exams
K2	List the names of drugs that belong to a specified drug class and some regulatory issues related to drugs administration and, conversely, the major drug classes to which a named drug belongs.	Lecture and collaborative learning	Quiz and exams
K3	Identify major sites of absorption, distribution, metabolism and excretion of drugs in general, and the factors that influence.	Lecture and collaborative learning	Quiz and exams
Skills			
S1	Provide the skills for life-long learning about drug administration in this ever-changing subject.	Lecture Collaborative learning	Individual assignment
S2	Demonstrate personal trust in his decision regarding drug administration and dosage based on scientific knowledge	Lecture and Direct application on databases	Individual assignment
Competencies			
C2	Utilize the nursing implications in the administration of drugs to clients across the life span in a variety of settings.	collaborative learning	Group projects

* includes: Lecture, flipped Class, project- based learning , problem solving based learning, collaborative learning

** includes: quiz, in class and out of class assignment , presentations , reports, videotaped assignment, group or individual projects.

Course Polices

Policy	Policy Requirements
Passing Grade	The minimum passing grade for the course is (50%) and the minimum final mark recorded on transcript is (35%).
Missing Exams	• Missing an exam without a valid excuse will result in a zero grade to be assigned to the exam or assessment. • A Student who misses an exam or scheduled assessment, for a legitimate reason, must submit an official written excuse within a week from the an exam or assessment due date. • A student who has an excuse for missing a final exam should submit the excuse to the dean within three days of the missed exam date.

Attendance	The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to six lectures days (M, W) and seven lectures (S,T,R). If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory excuse accepted by the dean of the faculty, s/he will be prohibited from taking the final exam and the grade in that course is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college, then withdrawal grade will be recorded.
Academic Honesty	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, and violating intellectual property rights.

Program Learning Outcomes to be assessed in this Course

Number	Learning Outcome	Course Title	Assessment Method	Target Performance level
KP1	To equip nursing students with theoretical knowledge of nursing science with the aim of promoting and maintaining health, and preventing diseases, at all levels of health care.	Pharmacology for Nursing	Short exam	80% of students gets 60% or above of exam marks
KP2	Combine knowledge and critical thinking from humanities and sciences with knowledge of nursing to care for individuals, families, and groups.	Pharmacology for Nursing	Short exam	80% of students gets 60% or above of exam marks
SP1	Equip students with skills to innovate and deliver high quality care, support clinical decision making, communicate and alleviate error.	Pharmacology for Nursing	Short exam & Demonstration	80% of students get 60% or above of exam marks
SP2	Enable students to apply the gained nursing care skills, including the physiological, psychological and social integrity of health care recipients.	Pharmacology for Nursing	Short exam & Demonstration	90% of students get 60% of rubric marks

Description of Program Learning Outcome Assessment Method

Number	Detailed Description of Assessment
KP2	Short exam will be done at 2nd year with exam of Adult 2 course

SP1	Short exam will be done at 2nd year with exam of Adult 2 course
SP2	Short exam will be done at 2nd year with exam of Adult 2 course