Philadelphia University	PHILADELPHIA UNIVERSITY THE WAY TO THE FUTURE	**Approved Date:**
Faculty:Pharmacy		**Issue:**
Department:Pharmacy		**Credit Hours: 3**
Academic Year: 2021/2022	**Course Syllabus**	**Bachler:**

Course Information

Course No.	Course Title	Prerequisite
520442	**Parasitology**	**Pharmaceutical Microbiology (0520325)**

Course Type	Class Time	Room No.
☐ Univirsity Requirement ☐ Major Requirement ■ Elective ☐ Compulsory	**Sun, Tue - 12:45-2:15**	**620**

Instructure Information

Name	Office No.	Phone No.	Office Hours	E-mail

Course Delivery Method

☐ Blended	☐ Online	☐ Physical
Learning Model		
Percentage	**Synchronous**	**Asynchronous**	**Physical**
	0	**0**	**100%**

Course Description

The course covers the main concepts of parasites classifications, structre and morphology (size, shape,), and physiology of medically important parasites (reproduction, growth,). Life cycle and different factors influencing parasites and hosts, host parasite relationship,and patasitic infection development and host response to parasites invasion, and mechanisms of host resistance. The course also covers the principles of medical pharmacological treatment of parasitic infections, also the course covers several preventive and control stratigies for the medically important parasitic infections.

Course Learning Outcomes

Number	Outcome	Corresponding Program Outcomes	Corresponding Compentencies
Knowledge			
K1	Aquire basic information about different types of medically important parasites and identify morphology, life cycles, and characterestics of parasites	Kp1,	C1
K2	Explain the main differences between different types of parasites and hosts and understand the relationships between host/parasites.	Kp1	C1
K3	Know parasitic disease patterns and the clinical manifestations produced by different parasites.	Kp1	C1
K4	Know pharmacological treatment for each parasitic infections	Kp1	C1
Skills			
S1	To improve transfesable skills including problem solving and teamwork	Sp2, Sp9	C8, C15
S2	To improve their ability to communicate scientific ideas effectively and confidently	Sp2, Sp9	C8, C15
S3	Devolope the skill of self learning	Sp2, Sp9	C8, C15

Learning Resources

Course Textbook	• **Markell and Voge's Medical Parasitology.** John D and Petri W. 9th ed. Saunders Elsevier; 2006. ISBN-13:978-0-721-64793-7. • **Medical parasitology, a self-instructional text.** Leventhal R. and Cheadle R. 6th ed. Davis company, 2012. ISBN: 978-0-8036-2543-3. **Paniker's Textbook of Medical Parasitology.** Paniker CKJ. and Ghosh S. 7th ed. Jaypee Brothers Medical Publishers (P) Ltd, 2013. ISBN: 978-93-5090-534-0. Retrieved on October 15, 2018
Supporting References	. **ONLINE REFERENCE:** https://www.academia.edu/30595207/Panikers_Textbook_of_Medical_Parasitology_7th_Edition_2013_PDF_
Supporting Websites	
Teaching Environment	■ **Classroom** ☐ **laboratory** ☐ **Learning Platform** ☐ **Other**

Meetings and Subjects Time Table

Week	Topic	Learning Method*	Task	Learning Material
1	Association between parasite and host Basic concepts in medical parasitology	Lecture		
2	Effect of parasites on the host Classification of medical parasitology	Lecture		

	General characteristics of medically important parasites and Medical Protozology			
3	Amoebiasis	Lecture		
4	Luminal Flagellates : Giardiasis Trichmoniasis	Lecture	Home work	
5	Luminal Flagellates : Giardiasis	Lecture + self-reading		
6	Trichmoniasis	Lecture	Home work	
7	Haemoflagelates: introduction	Lecture		
8	Haemoflagelates: Trypanosomiasis	Lecture		**MID Exam**
9	Haemoflagelates: Leishmaniasis	Lecture		
10		Lecture	Short presentation	
11		Lecture + self-reading		
12	Malaria	Lecture		
13		Lecture		
14	Toxoplasmosis	Lecture		
15	Medical heminthology	Lecture		
16	**Final Exam**			

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

Course Contributing to Learner Skill Development

Using Technology
Using power point for preparing presentations
Communication Skills
Oral discussion and presentation
Application of Concept Learnt

Assessment Methods and Grade Distribution

Assessment Methods	Grade	Assessment Time (Week No.)	Course Outcomes to be Assessed
Mid Term Exam	**% 30**	**11th week**	**K1, K2**
Term Works*	**% 30**	**Continous**	**K1, K2 S1-S3**
Final Exam	**% 40**	**16th week**	**K1-K4**
Total	**%100**		

* 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		Learning Method*	Assessment Method**
	Knowledge			
K1	Aquire basic information about different types of medically important parasites and identify morphology, life cycles, and characterestics of parasites			**Exam**
K2	Explain the main differences between different types of parasites and hosts and understand the relationships between host/parasites.			**Exam +home work**
K3	Know parasitic disease patterns and the clinical manifestations produced by different parasites.			
K4	Know pharmacological treatment for each parasitic infections			
	Skills			
S1	To improve transfesable skills including problem solving and teamwork			
S2	To improve their ability to communicate scientific ideas effectively and confidently			
S3	Devolope the skill of self learning			

*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
Passing Grade	The minimum pass for the course is (50%) and the minimum final mark is (35%).
Missing Exams	• 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. • 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. • 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.
Attendance	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.
Academic Integrity	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

Number	Learning Outcome	Course Title	Assessment Method	Targeted Performance level

Description of Program learning Outcomes Assessment Method

Number	Detailed Description of Assessment

Assessment Rubric of the Program Learning Outcomes
