Course Specifications

General Information

Course name	Pharmaceutical microbiology & parasitology
Course number	PHTC2305
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - providing the students with intoduction for pharmaceutical microbiology

2 - supplying the students by all subjects about bacterial cell envelope ,Spores,and biosyntyesis in addition to its activitiesand its and i

3 - Providing all information related to culture and identification of infectious agents

4 - consolidation students to bacterial pathogenisis consepts

5 - Providing students with all consepts about vaccinations and its uses

6 - clarifying for students the classification of bacteria and methods of differentition among bacterial cell types

7 - Providing students with information about Gram -positive bacteria types and its clinical problems

8 - Parasitology course objectives includes providing students with subjects related to to intestinal and urogental protozoa

9 - Consolidation of students with blood and tissue protozoa with medical problems and its treatment

10 - Supplying the students with all information related to intestinal helmintes

Intended Learning Outcomes

Knowledge and Understanding

* The ability of students to understood all subjects related to bacterial constituents cells and its culture and identification of
* Analyse the information which related to growth and nutrition of bacteria
* Understanded of students to bacterial pathogenisis
* The ability of students to defferntiate among gram positive & negative bactera and itsproblems
* The ability to characterise human parasites and methods of identification in addition to clinical problem and its treatment

Professional Skills

* professenioal skills include the ability to identify bacteria and other microrganism

Course Contents

1 - Covers all subjects related to bacterial cell morphology and its constituents with functions
2 - types of bacteria (Gram positive &gram negative)in addition to its clinical problems with treatment

Teaching and Learning Methods

1 - lectures ,presentation, assigments ,
2 - animation slides

Students Assessment

Assessment Method	TIME	MARKS
midterm exam	60 minutes	35marks
second exam		15marks
Final exam	120minutes	50 marks

Books and References

Course note	Essential microbiologyStuart Hogg,
	Hugo and Russells pharmaceutical microbiology ,7th edition
	Principles and practice of clinical parasitology ,StephenH.gillespie and Richard D.Pearson,second edition
Essential books	The infectious diseases manual,David Wilks,MarkFarrington,David Rubensttein,second edition