

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharmaceutical Microbiology& Parasitology Lab
Course number	PHTC2106
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - Providing students with precautions of work in laboratory
2 - Supplying the basics of microbiological concepts
3 - Statements the basic rules for sterilization methods
4 - Providing the students with morphological identification of bacterial cell
5 - Providing students with biochemical differentiation between bacterial types
6 - Microbial inhibition concentration for antimicrobial agents
7 - parasite characterization
8 - providing students with methods of isolation of parasite

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * satisfaction of students about types of bacterial cell features * Understanding of students skills of differentiation of gram negative and gram positive bacteria * identification of bacteria cell and parasite * Knowledge of students methods of determination of the modal antibiotic
Professional Skills	<ul style="list-style-type: none"> * satisfaction of students by skills of practical identification of microbes in general * providing of students by skills of determination of microbial inhibition zone

Course Contents

1 - Types of bacterial cell and methods of identification
2 - physiological functions and knowing of bacterial constituents
3 - gram staining of bacteria
4 - Determination of MIC for different antibiotics
5 - identification of different types of parasite and methods of its isolation

Teaching and Learning Methods

1 - laboratory sections, presentation, practical experiments

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
reports		20marks
Attendance		20 marks
quizes		20 marks
final practical exam	60 minutes	40 marks

Books and References

Course note Manual lab