

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	General Microbiology
Course number	AMSL2312
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	2
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - General Microbiology - AMSL 2312

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * The aim of this course is to teach the students , Microscopy , bacterial structure and how to identify cells , staining and growth requirement , special media and pure culture , phases of microbial growth and how to control the growth. * Type of disinfectants , Biochemical testing and special media .
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Course Contents

1 - Week No 1 : Introduction and microscopy
2 - Week No 2 : Structure of Bacterial cell and preparation of smear
3 - Week No 3 : Special stains
4 - Week No 4 : Growth requirements
5 - Week No 5 : Biofilms and media
6 - Week No 6 : Special and pure culture
7 - Week No 7 : Phases of growth and microbial count
8 - Week No 8 : Control of microbial growth
9 - Week No 9 : Type of Control of microbial growth
10 - Week No 10 : Disinfectants
11 - Week No 11 : Biochemical Testing
12 - Week No 12 : Selective and special media

Teaching and Learning Methods

1 - Using LCD Method showing the pictures and tables
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Lectures attendance		5%
Quiz		5%
Midterm Exam 1		20%
Midterm Exam 2		20%
Final Exam		50%

Books and References

Recommended books	Microbiology an introduction , Tenth Edition , Gerard J. Tortora, Berdell R. Funke , Chistine L.Case
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