



وكالة الجامعة للشؤون التعليمية  
البرامج الدراسية والتطوير

( 5 )

مختصر توصيف

الأحياء الدقيقة العامة

(Course Syllabus)

الأحياء الدقيقة العامة	:
BIOL-231	:
أحياء عامة BIOL-101	:
-	:
3	:
<b>Module Title:</b>	General microbiology
<b>Module ID:</b>	BIOL-231
<b>Prerequisite (Co-requisite) :</b>	General Biology, BIOL-101
<b>Co-requisite :</b>	-
<b>Course Level:</b>	4 <sup>th</sup>
<b>Credit Hours:</b>	3

### :(Course Information) \*

#### Module Description

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The course demonstrates General Microbiology relating to the history, structure, growth, metabolism, genetics, ecology and medical importance of prokaryotic microorganisms, eukaryotic microorganisms, and viruses.

This course covers the general basics of microbiology, especially bacteria, viruses, fungi and Parasites. Studying the various divisions of microorganisms, Classification, Biology, structure, and their properties. Also it includes the basic information about infectious agents in terms of types, diagnosis and treatment.

#### Module Aims

أهداف المقرر :

1	Teach students a brief history of microbiology	1
2	Students realize the importance of a microbiology and know a number of diseases caused by microorganisms to humans	2
3	The student masters the ways to diagnose and prevention of microbial infections.	3

#### Learning Outcomes:

مخرجات التعليم:

1	The student should be able to differentiate between the different types of microorganisms	1
2	The ability of the student to link some of the common diseases and its microbial causes	2
3	Students knowledge about how to produce certain agents against infectious diseases	3

Course :

Contents:

ساعات التدريس (Hours)	الأسابيع (Weeks)	(Subjects)
6	2	Microbiology Introduction
3	1	Bacteria structure
3	1	Bacteria Biology
3	1	Cleansing and disinfection
9	3	Bacterial diseases
3	1	Antibiotics
3	1	Immunization and vaccination
6	2	Virology
6	2	Mycology
6	2	Parasitology

Textbook and References:

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ISBN	Publishing Year	Publisher	اسم المؤلف (رئيسي) Author's Name	Textbook title
ISBN-13: 978-1118743164	(August 10, 2015)	Wiley; 9 edition (August 10, 2015)	Jacquelyn G Black	Microbiology Principles and Explorations
ISBN-10: 0321929152	(January 10, 2015)	Pearson; 12 edition (January 10, 2015)	Gerard J. Tortora	Microbiology: An Introduction (12th Edition) 12th Edition

