



STANDARD COURSE OUTLINE

Annex 3



Hashemite University	 	Course name and number General Microbiology 110104241
Faculty of Science		Pre-requisite:
Department of Biology and Biotechnology		General Biology 101
Course Syllabus		
Course Information		
Lecture's Time	Sun, Tue 8.30- 9.30	
Lecture Room	H B 207	
Instructor	Dr Bayan Abu Ghazaleh	
Office Location	Biology Department	
Office Hours	To be announced	
Text Book Microbiology, Principles and Explorations. Black, J.G. 7 th ed., John Wiley and Sons, 2008		
References(s)	General microbiology books in the library	

Grading Policy:

Theory

1 st Exam	20%
2 nd Exam	20%
Other	20%
Final Exam	40%

Practical

Midterm	__%
Reports	__%
	__%

Course Objectives
The study of the nature of microorganisms; their structure and function. The study of growth and cell division in microorganisms, and environmental conditions needed for their growth. The study of metabolism and interaction with the environment, gene transfer between bacteria, and methods used to eradicate microorganisms.
Teaching and Learning Methods
• PowerPoint lectures and active classroom based discussion • Collaborative learning through small groups acting in an interdisciplinary context. • Relevant films and documentaries • Video lectures • E-learning resources: e-reading assignments and practice quizzes through Model and Microsoft Team

Course Contents

Week	Topic
1	Scope and history of microbiology
2	Scope and history of microbiology
3	Microbial metabolism
4	Growth and cell division
5	Factors affecting growth
6	Factors affecting growth
7	Gene transfer
8	Gene transfer
9	Sterilization and disinfection
10	Chemical antimicrobial agents
11	Chemical antimicrobial agents
12	Physical antimicrobial agents
13	Physical antimicrobial agents
14	Antimicrobial therapy
15	Antimicrobial therapy
16	Final Examination

