



STANDARD COURSE OUTLINE

Annex 3



Hashemite University	 Course Syllabus	Practical General Biology for Medical Sciences (180104116) 1 Credit Hour
Faculty of Science		Pre-requisite:
Department of Biology and Biotechnology		
Course Information		
		Lecture's Time
		Lecture Room
		Instructor
		Office Location
		Office Hours
Text Book Title: Investigating Biology, Laboratory Manual Authors: J. G. Morgans & M.E.B. Carter Publisher: Benjamin Cummings, San Francisco Year :2011 Seventh edition		
References(s) * Any other book in General Biology		

Grading Policy:

Mid-Term Exam	40%
Laboratory quizzes	20%
Final Exam	40%

Course Objectives

Upon successful completion of this introductory course in biology (Practical General Biology (2)), the student will be able to:

1. Differentiate types of Animal tissues and the structure and function of different organs
 2. Understand the structure and function of animal Digestive system and skin, in addition to circulatory, respiratory, excretory, reproductive and nervous systems
 3. Describe the main stages of animal embryological development.
 4. Explain the characteristics of Bacteria
 5. Characterize the major groups of Protists and fungi.
- Understand Animal Diversity and recognize different animal groups

Teaching and Learning Methods

1. Practical sessions to apply standard techniques in biology.
2. Scientific report writing on the results of practical sessions.
3. Group activities on selected laboratory sessions including preparation of certain plant tissues slides.
4. Demonstrations of certain procedures.
5. Observing living and preserved specimens used in learning biodiversity.

Course Contents

Week	Topic
1	Lab rules & basic tools and instruments used in General Biology Laboratory & How to Write Scientific Report
2	Microscopes and Cells
3	Microscopes and Cells
4	The Organization of Cells
5	Diffusion & Osmosis
6	Mitosis
7	Histology I: Epithelial tissue, Connective tissue
8	Histology II: Skin, Muscular tissue, Nerve tissue
9	Mid-Term Exam
10	Vertebrate Anatomy

11	Animal Development I : Sea Star, Sea Urchin
12	Animal Development II: Frog
13	Animal Development II: Frog
14	Final Exam