Hashemite University Faculty of Science Department of Biology and Biotechnology	Course Syllabus	Practical general biology (2) 1801041104 Practical General Biology (1)

Course Information	
Lecture Time	
Lecture Room	
Instructor	
Office Location	
Office Hours	
Text Book	Investigating Biology, Laboratory Manual. Authors: J. G. Morgan & M.E.B. Carter Publisher: Benjamin Cummings, San Francisco. Year :2011. Seventh edition.
References	Campbell Biology, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Jane B. Reece, 11th edition.

Grading Policy:

Quizzes:	20 points	
Midterm Exam:	40 points	To be announced later
Final Exam:	40 points	To be announced later

Course Objectives	
1.	Differentiate types of Animal tissues and the structure and function of different tissues
2.	Acquire the skills to dissect animals to understand the structure of animal digestive system and skin, in addition to respiratory, excretory and reproductive systems
3.	Describe the main stages of animal embryological development

Teaching and Learning Methods

The course includes a combination of active learning strategies:

- Data show representing tissue sections and active classroom based discussion
- Collaborative learning through small groups acting in an interdisciplinary context.
- Relevant films and documentaries
- Video lectures
- Slides on microscope
- Preserved specimens, models and charts
- E-learning resources: quizzes through Microsoft Team, figures of tissues and classification part on Moodle along with PowerPoint recording lectures

Course Contents

Week	Topics
1	Introduction and lab rules
2	Vertebrate Anatomy (Histology)
3	Vertebrate Anatomy (Histology)
4	Vertebrate Anatomy: Digestive, Respiratory, Excretory ,Reproductive Systems
5	Animal Development
6	Animal Development
7	Midterm Exam
8	Bacteriology
9	Protists
10	Fungi
11	Animal Diversity: Porifera, Cnidaria, Platyhelminthes, Annelida
12	Animal Diversity: Mollusca, Nematoda, Arthropoda, Echinodermata and Chordata
13	Final Exam