



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Cell Biology
2	Course number	0304231
3	Credit hours (theory, practical)	2 theory
	Contact hours (theory, practical)	2 h lectures /week
4	Prerequisites/corequisites	Genera Biology 2(0304102)
5	Program title	Biological Sciences
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Science
9	Department	304231
10	Level of course	200
11	Year of study and semester (s)	2016
12	Final Qualification	BSc
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	First semester 2016

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Office numbers :Biology Building 311

office hours: Sun Tue Thu: 9-9:30

phone numbers: 0776831802

email: zshraideh@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

Course Description

0304231 CELL BIOLOGY

This course deals with the cell as a unit of structure of all living organisms. It includes: Cell theory. Principles and technology of microscopy, biological membranes: Ultrastructure and function and their role in controlling cellular responses to cell matrix. Intracellular compartments: Endoplasmic reticulum, golgi

19-21:	Chapter 15 : Cytoskeletal System The Major Structural Elements of the Cytoskeleton Techniques for Studying the Cytoskeleton. Microtubules. Microfilaments Intermediate filaments.	422-447
22-24:	Chapter 16: Cellular Movement: Motility and Contractility Motile Systems. Microtubule-Based Motility Actin-Based Movement: The Myosins. Filament- Based Movement In Muscle. Actin-Based Motility in Nonmuscle Cells	448-477
25:	Midterm Exam At week # 12	
26-28:	Chapter 17: Beyond the Cell: Cell Adhesion, Cell Junctions, and Extracellular Structures. The Extracellular Matrix of Animal Cells. Cell-Cell Recognition Cell Junctions. The Plant Cell Surface	477-501
29-30:	Chapter 18: The Structural Basis of Cellular Information: DNA, Chromosomes, and the Nucleus DNA Packaging. The Nucleus	527-544

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

1. 2 / 1h lectures/ week
 - Classroom with whiteboard and projection facilities
 - College library
 - Internet resources

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1. 3/ 1h exams
2. Reports and discussions

--

23. Course Policies:

<p>A- Attendance policies: Attendance of lectures is obligatory</p> <p>B- Absences from exams and handing in assignments on time: Not accepted</p> <p>C- Health and safety procedures: Strict and are followed up</p> <p>D- Honesty policy regarding cheating, plagiarism, misbehavior: Very strong.</p> <p>E- Grading policy: 50 %(2 one h exams) , 50% final exam</p> <p>F- Available university services that support achievement in the course: Accepted, but not adequate.</p>	
--	--

24. Required equipment:

Data shows and laptops for lectures

25. References:

<p>A- Required book (s), assigned reading and audio-visuals:</p> <p>1. Cell & Molecular Biology : Concepts & Experiments 5th Ed(2008). By:Gerald Karp, John Wily & Sons,.</p> <p>B- Recommended books, materials, and media:</p> <p>1.Lodish <i>et al</i> (2005)Molecular Cell Biology. 5th ed. Scientific American Books.</p>

2. Alberts *et al* (1991). *Molecular Biology of the Cell*. 2nd ed. Garland Publishing, New York.

26. Additional information:

Name of Course Coordinator: الدكتور زياد الشريدة Signature: ----- Date: 12/ 01/ 2016

Head of curriculum committee/Department: الاستاذة الدكتورة سوسن العوران Signature: -----

Head of Department: الدكتورة هناء العبوس Signature: -----

Head of curriculum committee/Faculty: الاستاذة الدكتورة أمل العابودي Signature: -----

Dean: الاستاذ الدكتور صالح محمود Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File