



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Basic biochemistry
2	Course number	0354711
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3
4	Prerequisites/co requisites	Bsc
5	Program title	Master of biological sciences
6	Program code	0354711
7	Awarding institution	University of Jordan
8	Faculty	sciences
9	Department	Biological sciences
10	Level of course	graduate
11	Year of study and semester (s)	2018/2019 1 st semesters
12	Final Qualification	Msc. in biological sciences
13	Other department (s) involved in teaching the course	none
14	Language of Instruction	English
15	Date of production/revision	1st semester 2018/2019

16. Course Coordinator:

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

Office number : 212

Office hours : one hour before and after the lectures

Phone number : 22229

Email address: n.bataynehi@ju.edu. jo

17. Other instructors:

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

none

18. Course Description:

As stated in the approved study plan. Introduction to the basic concepts in biochemistry. A detailed discussion of the chemistry of water, acid- base chemistry and buffers. Proteins. Structural organization and building blocks of proteins .Basic techniques to purify macromolecules. Spectroscopy and quantitative analysis. Enzymes: their classification, function and kinetics. Regulation of enzyme activity. Chemistry of carbohydrates and lipids.

19. Course aims and outcomes:

A- Aims: this course aims at the study of acids , bases, water and buffers. The second aim is the study of protein, carbohydrate and lipid chemistry and function. The third aim is the study of enzymes and quantitative measurement.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

1. aqueous solutions, acid- base chemistry, titration curves , and buffers

grades for handing in assignments on time

C- Health and safety procedures: wearing lab coats and gloves in the lab

D- Honesty policy regarding cheating, plagiarism, misbehavior: reporting to investigation committee

E- Grading policy: first ,second and final exams, 25% , 25% and 50% respectively

F- Available university services that support achievement in the course: lab assistance and equipment

24. Required equipment:

1. None

25. References:

A- Required book (s), assigned reading and audio-visuals:
 Biochemistry Lehninger, fourth edition, 2009, John Wiley and Sons, Inc. New York, USA

B- Recommended books, materials, and media:
 Biochemistry, by M. Campbell and Farrell, sixth edition, 2009, Thomson Learning, Inc. USA

26. Additional information:

Name of Course Coordinator: Naji Batayneh..... Signature:  Date: 31// 12/ 2018

Head of curriculum committee/Department: Signature: -----

Head of Department: Signature: -----

Head of curriculum committee/Faculty: Signature: -----

Dean: Signature: -----

Copy to:
 Head of Department
 Assistant Dean for Quality Assurance
 Course File

