



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Clinical chemistry II
2	Course number	0308344
3	Credit hours (theory)	2
	Contact hours (theory)	Sunday-Tuesday
4	Prerequisites/co-requisites	Clinical chemistry I
5	Program title	Bachelor of Medical Laboratory Sciences
6	Program code	
7	Awarding institution	University of Jordan
8	Faculty	Science
9	Department	Medical Laboratory Sciences
10	Level of course	Second Year
11	Year of study and semester (s)	Second Semester 2017/2018
12	Final Qualification	B.Sc. in Medical Laboratory Sciences
13	Other department (s) involved in teaching the course	none
14	Language of Instruction	English
15	Date of production/revision	2018

16. Course Coordinator:

Professor Muayad M. Abboud, PhD
 Part-timer, Phone number: 0796875550
 Email: muayadabboud@gmail.com

Office hours: by appointment

17. Other instructors:

None

18. Course Description:

This course is designed to be more advance than the preliminary course of clinical chemistry I. It provides knowledge related to the correlation between the plasma proteins alteration with certain diseases. The clinical significance of non-protein nitrogenous compounds in plasma. Acid base balance and possible compensatory mechanisms, Evaluation of kidney function tests. Clinical enzymology and liver function tests. The significance of tumor and cardiac biological markers. Understanding the changes of analyst in cerebrospinal fluid in correlation with certain disease states.

1. 19. Course aims and outcomes:

2.

A- Aims:

This course will provide the student with more clinically oriented information, but complementary to the knowledge learned in clinical chemistry I.

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

1. How to perform kidney function tests
2. How to do liver function tests
3. The use of biological markers in evaluating cardiovascular diseases
4. The use of biological markers in detecting tumors.
5. The significance of plasma proteins and non-protein nitrogenous compounds in the diagnosis of certain diseases.

20. Topic Outline and Schedule:

1. Plasma proteins and their abnormalities under disease conditions
2. Production of non-protein nitrogenous compounds (NPN)
3. Water and ions distribution
4. Metabolism of inorganic metals
5. Acid-base balance
6. Acid-base imbalance and the body compensation
1st Exam
7. Kidney function tests
8. Clinical enzymology
9. Liver function tests
10. Cardiovascular markers in clinical diagnosis
2nd Exam
11. Tumor markers in clinical diagnosis
Final Exam

21. Teaching Methods and Assignments:

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

Interactive lecture using data show
Office hour discussions
Quizzes

22. Evaluation Methods and Course Requirements:

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

Exams

23. Course Policies:

A- Attendance policies: Regular class attendance is expected, attendance by seating number.

B- Absences from exams and handing in assignments on time: Reporting a valid reason of absence is accepted.

C- Health and safety procedures: All students should comply with the university health and safety procedures

D- Honesty policy regarding cheating, plagiarism, misbehaviour: All students should comply with the university Honesty policy regarding cheating, plagiarism, misbehaviour

E- Grading policy: Depends on average

First Exam	30 %
Second Hour Exam	30 %
Final Exam	40 %

24. Required equipment:

Available university services that support achievement in the course:

Data Show Projector, internet access

25. References:

3. Clinical chemistry 6th edition by Bishop

26. Additional information:

None

Name of Course Coordinator: Professor Muayad Abboud Signature: ----- Date:

4/4/2018

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

Head of Department: Signature: -----

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

Dean: ----- -Signature: -----

Assurance

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