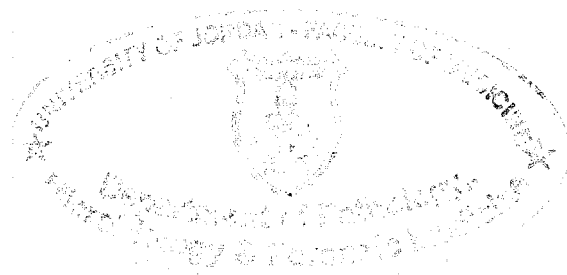


مركز التقييم واطرفة الكوالم

**The University of Jordan**

**Accreditation & Quality Assurance Center**

**COURSE Syllabus**



1	Course title	Interpretations and Methods in Toxicology
2	Course number	0531710
3	Credit hours (theory, practical)	3.0
	Contact hours (theory, practical)	3.0
4	Prerequisites/core requisites	
5	Program title	
6	Program code	
7	Awarding institution	
8	Faculty	Medicine
9	Department	Pathology, Microbiology and Forensic Medicine.
10	Level of course	1
11	Year of study and semester (s)	2nd Semester 2019 2020
12	Final Qualification	
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	2020

**16. Course Coordinator:**

**Professor Abdelkader Battah**  
 Office numbers:215  
 Office hour: Tuesday 10:0-12:0  
                   Thursday: 10:0-12:0  
 phone numbers:23489  
 Email: [akbattah@ju.edu.jo](mailto:akbattah@ju.edu.jo)  
           [akbattah@gmail.com](mailto:akbattah@gmail.com)

**17. Other instructors:**

**Professor Kamal Hadidi**  
 Head of JUH laboratories office  
 Office hour: Monday 10:0-12:0  
                   Wednesday: 10:0-12:0  
 Phone no: 83\2654  
 E-mail: [khadidi@ju.edu.jo](mailto:khadidi@ju.edu.jo)

**18. Course Description:**

This course cover means to provide instructions how to utilize literature and prior knowledge to solve a problem in the field of toxicology, where the student will design, examine, and apply it practically. The student will present the work in a form of a dissertation. It includes rationale of method development or modification of an existing method in analytical toxicology or experimental animal toxicity study, where such need may arise

**1. 19. Course aims and outcomes:**

**A- Aims:** To instruct students how to approach method development or modification of an existing method in analytical toxicology or experimental animal toxicity study, where such need may arise.

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

**A. Knowledge and Understanding:** Student is expected to:

A1. Critically evaluate an available method in analytical toxicology.

A2. Conduct literature review.

A3. Identify a related problem available within method in analytical toxicology

A4. Research the literature to identify related solutions

A5. Evaluate data regarding inter-related scientific principles to understand how and why processes and events with critical evaluation of current literature.

A6. Compose and practice effective written and oral communication regarding the proposed solution

**B. Intellectual Analytical and Cognitive Skills:** Student is expected to:

B1. Build up knowledge and scientific skills regarding the types and sources of regarding research methodology related to method in analytical toxicology and interpretations of its outcomes

**C. Subject- Specific Skills:** Students is expected to:

C1. Acquire experience in literature review.

C2. Recognize common toxins analysis.

C3. Evaluate available methods of investigation to an emerging toxicological problem.

**D. Transferable Key Skills:** Students is expected to be able to:

D1. Understand principles of critical review of an emerging toxicological problem.

D2. Recognize available solutions and critically evaluate them

D3. Suggest suitable method for investigating toxins analysis

D4. Construct final report that is available to besent for publication

## 20. Topic Outline and Schedule:

Meeting with students will be arrange weekly to discuss each topic that are given to students as homework to reach a final meeting that will discuss the proposed manuscript

## 21. Teaching Methods and Assignments:

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

Seminars and Discussions:

Homework and Assignments: Each student is assigned a few topics from the course syllabus in which he/she explores the assigned references, literature and internet where he/she will write an essay in organized scientific style which will be presented and discussed with the other colleagues in a form of seminar.

## 22. Evaluation Methods and Course Requirements:

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

Evaluation	Point %	Date
Midterm Exam	Theoretical Exam: 30%.	As given by The University of Jordan
Assignments	Seminar: 10%. Discussion: 10%.	During the semester.
Homework	Homework: 10%	During the semester.
Final Exam	Theoretical Exam: 40%.	As given by The University

			of Jordan	
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**23. Course Policies:**

- A- Attendance policies:  
 B- Absences from exams and handing in assignments on time:  
 C- Health and safety procedures:  
 D- Honesty policy regarding cheating, plagiarism, misbehavior:  
 E- Grading policy:  
 C to A as approved by the University of Jordan regulations  
 F- Available university services that support achievement in the course:

**24. Required equipment:**

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**25. References:**

- A- Required book (s), assigned reading and audio-visuals:  
 Casarett and Doulls Toxicology, The Basic Science of Poisons, Klaassen CD, Amadur MO and Doull J.  
 2. Principles of Clinical Toxicology, Gossel TA, Bricker JD.  
 3. Medical Toxicology, Diagnosis and Treatment of Human Poisoning, Ellenhorn, Barceloux
- B- Recommended books, materials, and media:  
 4. Hand book of Human Toxicology. Massaro ED.  
 5. Clarke's Isolation and Identification of Drugs, Moffat A.  
 6. Goodman and Gilman's, the Pharmacological Basis of Therapeutics, Gilman AG, Goodman LS and Gilman A.  
 7. A Text book of Modern Toxicology, Ernest Hodgson  
 8. Internet containing documented scientific information

**26. Additional information:**

- Concerns or complaints should be expressed in the first instance to lecturer; if no resolution is forthcoming, then the issue should be brought to the attention of the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For final complaints, there will be a committee to review grading the final exam.
- For more details on University regulations please visit: <http://www.iu.edu.jo/rules/index.htm>

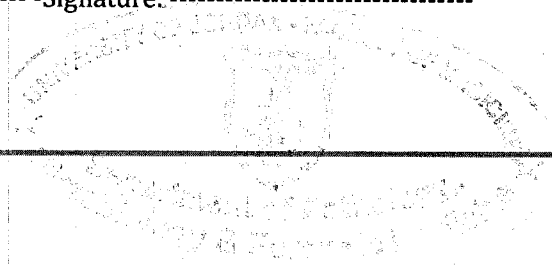
Name of Course Coordinator: Prof. Abdelkader Battah. Signature: ----- Date: -----

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

Head of Department: Prof. Abdelkader Battah. Signature: -----

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

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



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

