



مركز الاعتماد
و ضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

Course Name

Practice in Toxicology laboratory

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|----|--|---|
| 1 | Course title | Practice in Toxicology laboratory |
| 2 | Course number | 0531711 |
| 3 | Credit hours (theory, practical) | 3.0 |
| | Contact hours (theory, practical) | 3.0 |
| 4 | Prerequisites/corequisites | |
| 5 | Program title | Master Of Analytical Toxicology |
| 6 | Program code | 05 |
| 7 | Awarding institution | University of Jordan |
| 8 | Faculty | Medicine |
| 9 | Department | Pathology, Microbiology and Forensic Medicine |
| 10 | Level of course | Master degree |
| 11 | Year of study and semester (s) | 2 |
| 12 | Final Qualification | Master Of Analytical Toxicology |
| 13 | Other department (s) involved in teaching the course | Non |
| 14 | Language of Instruction | English |
| 15 | Date of production/revision | 28-3-2018 |

16. Course Coordinator:

Office numbers: 215
 office hours: Mondays: 10:0-12:0
 Wedensdays:10:0-12:0
 phone numbers: 23489
 Email: akbattah@ju.edu.jo
 akbattah@gmail.com

17. Other instructors:

Prof. Kamal Hadidi

18. Course Description:

This course includes practical training in routine toxicology laboratory. Where the student will work in sample preparation and their analysis in different methods and instruments to reach identity and quantification the poison to help in problem solving and interprets the results of analysis.

19. Course aims and outcomes:

A- Aims: To introduce the students to the concept of toxicology and its related scope of toxicology with emphasis on the toxic kinetics of different drugs and poison.

B- Intended Learning Outcomes (ILOs): This course includes practical training in routine toxicology laboratory. Where the student will work in sample preparation and their analysis in different methods and instruments to reach identity and quantification the poison to help in problem solving and interprets the results of analysis.

20. Topic Outline and Schedule:

| Topic | Week | ILO/s | Evaluation Methods | Reference |
|---|-------|-------|--------------------|-----------|
| Sampling, storages, chain of custody | 1-2 | | | |
| Preparation of samples for analysis | 3-4 | | | |
| Solid phase extraction | 5 | | | |
| Thin layer chromatography | 6 | | | |
| High Performance chromatography | 7-8 | | | |
| Gas Chromatography | 9-11 | | | |
| Mass spectrometry | 12-14 | | | |
| Interpretation and reporting | 15-16 | | | |

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 |

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:

| | |
|--------|----------------------|
| 00-55 | C |
| 56-60 | C+ |
| 61-65 | B⁻ |
| 66-70 | B |
| 71-75 | B+ |
| 76-80 | A⁻ |
| 81-100 | A |

F- Available university services that support achievement in the course:

24. Required equipment:

As described in course, working in Toxicology laboratories

25. References:

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.ju.edu.jo/rules/index.htm>

Name of Course Coordinator: -----Signature: ----- Date: -----

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