



## Course Syllabus

1	<b>Course title</b>	Seminar	
2	<b>Course number</b>	0308491	
3	<b>Credit hours</b>	1 hour	
	<b>Contact hours (theory, practical)</b>	1 hour theory / week	
4	<b>Prerequisites/corequisites</b>	Pass > 90 hrs	
5	<b>Program title</b>	Bachelor of Clinical Laboratory Sciences	
6	<b>Program code</b>	0308	
7	<b>Awarding institution</b>	The University of Jordan	
8	<b>School</b>	Science	
9	<b>Department</b>	Clinical Laboratory Sciences	
10	<b>Course level</b>	Senior level	
11	<b>Year of study and semester (s)</b>	2 <sup>nd</sup> of 2023 -2024	
12	<b>Other department (s) involved in teaching the course</b>		
13	<b>Main teaching language</b>	English	
14	<b>Delivery method</b>	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online	
15	<b>Online platforms(s)</b>	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	<b>Issuing/Revision Date</b>	2/ 2024	

### 17 Course Coordinator:

<b>Name:</b> Dr. Ahmed Abu siniyeh <b>Office number:</b> Biology Building 202 <b>Email:</b> a.siniyeh@ju.edu.jo	<b>Contact hours:</b> Sunday & Tuesday 11:30 – 14:00 pm <b>Phone number:</b> 22224
---	---

### 18 Other instructors:

<b>Name:</b> Dr. Dina Yameen <b>Office number:</b> 22224 <b>Phone number:</b> <b>Email:</b> d.yamin@ju.edu.jo <b>Contact hours:</b> Monday, Wednesday 10:00 - 13:00
---



### **19 Course Description:**

This course introduces students to literature search methods in medical sciences through interactive seminars, presentations, and critical discussions of selected journal papers. Emphasizing active participation and scholarly exchange, students learn essential techniques for effectively searching, evaluating, and synthesizing academic literature. Topics covered include search strategies, database navigation, citation management, and ethical considerations in research. Through engagement with contemporary literature, students enhance their ability to identify relevant research, critically appraise scientific articles, and communicate research findings effectively.



## 20 Course aims and outcomes:

### A- Aims:

The aim of this course is to prepare students with the essential skills to search, comprehend, synthesize, discuss, and present published literature on contemporary topics in medical science, fostering critical thinking through the exploration of scientific papers. Furthermore, the course aims to facilitate discussions on ethical issues in science, encouraging students to reflect on the ethical dimensions of research. Additionally, it seeks to enhance students' ability to communicate spontaneously, instinctively, and effectively with their audience, promoting confident and articulate engagement with scientific discourse.

### B- Students Learning Outcomes (SLOs):

For purposes of mapping the course SLOs to the CLS program SLOs, at the successful completion of the program, graduates are expected to be able to:

**SLO(1).** Understand and apply the theoretical foundations of medical laboratory sciences to accurately calibrate and operate advanced laboratory equipment.

**SLO(2).** Demonstrate knowledge of safety protocols, Ministry of Health regulations, and environmental preservation practices when handling samples of pathogens and chemical/biological risks.

**SOL(3).** Acquire in-depth technical knowledge to stay abreast of scientific advancements and actively participate in local and global applied research in the field.

**SOL(4).** Perform diverse analyses and effectively interpret results for various clinical samples across laboratory disciplines such as hematology, clinical chemistry, microbiology, urine analysis, body fluids, molecular diagnostics, and immunology.

**SOL(5).** Apply practical training to solve complex problems, troubleshoot issues, and interpret results, ensuring a connection between data and specific medical conditions for precise diagnosis.

**SOL(6).** Show effective communication skills to convey information accurately and appropriately in a laboratory setting.

**SOL(7).** Demonstrate a commitment to lifelong learning and innovation by applying modern techniques, critically analyzing information, and contributing to the creation and application of new knowledge in medical laboratory sciences which fulfil the requirements of national and international CBD.

**SOL(8).** Uphold professional ethical behavior, ensuring the confidentiality of client information, and respecting client privacy throughout all aspects of laboratory work.

**SOL(9).** Apply managerial skills that align with quality assurance, accreditation, quality improvement, laboratory education, and resource management, showcasing competence in the effective administration of laboratory practices.

Descriptors	ILO/ID	Program SLOs			
		Course SLOs	SLO (3)	SLO (4)	SLO (6)
Knowledge	A1	Demonstrate a comprehensive understanding of literature search methods, including search strategies, database navigation, and citation management in the context of medical sciences.	X		
	A2	Acquire knowledge of ethical considerations in scientific research and demonstrate an awareness of the ethical issues inherent in the publication and dissemination of research findings.	X		
Skills	B1	Develop proficient skills in searching, accessing, and critically evaluating academic literature in medical sciences, enabling them to identify relevant research and synthesize key findings.		X	
	B2	Enhance their oral communication skills through regular presentations and discussions, fostering the ability to articulate complex ideas effectively to their peers and instructor.			X
Competence	C1	Master conducting independent literature searches, critically evaluating scientific literature, and synthesizing information for medical science research or academic pursuits, showcasing advanced analytical skills and higher-order cognitive processes.			X
	C2	Demonstrate proficiency in engaging ethically with scientific research, considering both personal and others' work within the field, applying ethical principles to evaluate moral implications, and participating in reasoned ethical discourse within medical sciences.			X

## 21. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction	A1	Face to Face	Lecture Room	Synchronous		
2	2.1	Using data base for literature search. Topic selection, Seminar components and abstract writing	A1,A2,B1	Face to Face	Lecture Room	Synchronous		

3	3.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
4	4.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
5	5.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
6	6.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
7	7.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
8	8.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
9	9.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
10	10.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
11	11.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
12	12.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
13	13.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
14	14.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	
15	15.1	Student Seminar	B2,C1,C2	Face to Face	Lecture Room	Synchronous	seminar evaluation rubric	



## 22 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Presentation Abstract	10				
Literature search and citation	10				
Interaction with question and Scientific level of the Presentation	30				
Overall performance	50				

## 23 Course Requirements

**(e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):**

## 24 Course Policies:

### A- Attendance policies:

Attend and participate in all classes: attendance will be taken.

Class time will be used to discuss, elaborate, expand, etc., on the written modules. This may include formal/informal lectures, audio visual presentations, demonstrations, labs, etc.

### B- Absences from exams and handing in assignments on time:

1. A student who has been absent for 15% or more of the total hours of any course, including absences for medical or compassionate reasons, may be required to withdraw from that particular course.
2. Students who miss quizzes or examinations will automatically be assigned a mark of zero unless the respective instructor, or the Program Head, has been notified of the reason for absence *PRIOR* to the commencement of the exam. Acceptable reasons will be evaluated at the time (e.g., illness - medical certificate may be required, serious illness or death in the family, etc.). Supplemental examinations may be allowed in legitimate cases.

### C- Health and safety procedures:

All students need to be immunized against hepatitis B, immunization certificate must be forwarded to the coordinator of the hospital training. Pregnancy affects immunization and it is the responsibility of the student to notify the health person as soon as possible of her pregnancy. If there are fees related to immunization, it is the responsibility of the student.



**D- Honesty policy regarding cheating, plagiarism, misbehavior:**

E- Grading policy:

**Available university services that support achievement in the course:**

- The University Computer Lab.
- The University Main Library.
- The University e-library.

**25 References:**

A- Required book(s), assigned reading and audio-visuals:

Scientific journals and research articles.

B- Recommended books, materials, and media:

**26 Additional information:**

Students are requested to apply the decision of the Deans Council concerning students projects in the campus of the University of Jordan.

Name of Course Coordinator: **Dr. Ahmed Abu siniyeh**

Signature: *Ahmed Abu siniyeh* Date: 2-2024

Head of Curriculum Committee/Department: **Dr. Suzan Matar**

Signature: *Suzan Matar*

Head of Department: **Dr. Ahmed Abu siniyeh**

Signature: *Ahmed Abu siniyeh*

Head of Curriculum Committee/Faculty: **Dr. Mu'ayyad Al Hseinat**

Signature: *Mu'ayyad Al Hseinat*

Dean: **Prof. Mahmoud Jaghoub**

Signature: *Mahmoud Jaghoub*