



Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	2/3/24/2023
	The Date of the Deans Council Approval Decision	23/01/2023
	Number of Pages	06

1.	Course Title	Seminar
2.	Course Number	0333961
3.	Credit Hours (Theory, Practical)	3
	Contact Hours (Theory, Practical)	3/week (Theory)
4.	Prerequisites/ Corequisites	None
5.	Program Title	PhD in chemistry
6.	Program Code	0333
7.	School/ Center	Science
8.	Department	Chemistry
9.	Course Level	PhD
10.	Year of Study and Semester (s)	2024, First
11.	Other Department(s) Involved in Teaching the Course	None
12.	Main Learning Language	
13.	Learning Types	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
14.	Online Platforms(s)	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams
15.	Issuing Date	20/1/2024
16.	Revision Date	20/11/2024

17. Course Coordinator:

Name: Dr. Firas Awwadi, Prof.	Contact hours:
Office number: Phone number:	
E-mail:	

**18. Other Instructors:**

Name: Prof Dr. Fawwaz I. Khalili

Office number: 25

Phone number: 22142 Email: fkhalili@ju.edu.jo

19. Course Description:

This course is designed to equip PhD-level students with the essential skills required to deliver effective and professional graduate seminars. It emphasizes both the theoretical and practical aspects of seminar preparation and presentation.

In this course, the student presents a **seminar** attended by faculty members. The student is evaluated by the faculty members based on a pre-prepared evaluation form designed for this purpose. The final grade is determined based on the combined evaluation of all participating faculty members. The course instructor collects and compiles the evaluation forms to calculate the grade.

The seminar must be between **30 to 40 minutes** in duration. The student selects the seminar topic in coordination with the course instructor, and it must cover **recent topics**. At least **50% of the references used** must be from journals published in the **last five years**.

Students cannot use their own **Master's thesis**. Attendance is **mandatory** for all PhD students enrolled in the seminar course during that semester, and absences are recorded for the purpose of determining eligibility for course completion.

The used Rubric to evaluate the students are to following:

School	Science	Department	Chemistry
Course name	Seminar	Course No.	0333961
Year	Semester	Evaluation No.	
Exam date		Exam time	

Student name	
Instructor name	
Evaluator name	

Evaluation

	Evaluation Criteria	Description	Degree (1-5)
1	Clarity and Presentation	Ability to deliver content in an organized and clear manner, using appropriate language.	



2	Mastery of the Subject	Depth of understanding and ability to explain concepts clearly and accurately	
3	Relevance and modernity of bibliography	Utilization of recent scientific references from diverse sources (mostly within the last 10 years).	
4	Content Organization	Logical sequence and arrangement of ideas, with a clear introduction and conclusion.	
5	Visual Aids and Techniques Used	Effective use of available presentation tools (slides, illustrations, charts, etc.).	
6	Interaction with Audience	Ability to answer questions and engage positively with the audience.	
7	Time Management	Adherence to allocated presentation time and its suitability with the content.	
8	Critical Thinking and Analysis	Ability to analyze the topic from different angles and provide new perspectives.	
Total (/40)			

Strengths:

Weaknesses:

Additional Notes

20. Program Student Outcomes (SO's): (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

SO1. Develop chemistry expertise, focus on theory and practice, and contribute to advancing knowledge in a specific research field.

SO2. Conduct original, high-quality research that advances knowledge in chemistry by developing complex projects using innovative methodologies.

SO3. Mentor junior researchers and students and demonstrate leadership in the scientific community through collaboration, peer review, and knowledge exchange.

SO4. Recognize the ethical implications and responsibly use chemistry solutions to tackle global challenges.

SO5. Participate in ongoing professional development to stay up to date with the latest research and innovations.



21. Course Intended Learning Outcomes (CLO's): (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

CLO1. Develop and Present Professional

Seminars: Apply advanced knowledge and skills to design and deliver professional seminars that are well-organized, engaging, and tailored to diverse academic and professional audiences.

CLO2 Enhance Communication and Pronunciation:

Demonstrate effective verbal and non-verbal communication skills, including clear pronunciation of technical terms and improved articulation of scientific concepts in English.

CLO3 Uphold Ethical Standards in Scientific Communication:

Integrate ethical principles into seminar preparation and presentation by appropriately citing sources, avoiding plagiarism, and maintaining professionalism in all forms of communication.

CLO4 Communicate Scientific Ideas Clearly:

Present complex scientific material and arguments in a concise and accurate manner, both orally and in writing, while fostering audience engagement and addressing questions effectively.

Course CLOs	The learning levels to be achieved					
	Remembering	Understanding	Applying	Analysing	evaluating	Creating
1			✓	✓	✓	✓
2	✓	✓	✓			
3	✓	✓	✓	✓	✓	
4		✓	✓	✓	✓	✓

22. The matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program:

Program SO's	SO (1)	SO (2)	SO (3)	SO (4)	SO (5)
Course CLO's					
CLO (1)	✓				✓
CLO (2)		✓			
CLO (3)			✓		
CLO (4)				✓	

23. Topic Outline and Schedule:

Activity Duration Mode of Delivery



Week	Lecture	Topic	CLO/s Linked to the Topic	Learning Types Face to Face (FF)	Platform Used	Synchronous (S) Asynchronous (A)	Evaluation Methods	Learning Resources
1		The elements of a good graduate seminar in chemistry						
2		The elements of a good graduate seminar in chemistry						
3		Giving a seminar about their curriculum vita						
4		Giving a seminar about their curriculum vita						
		Giving a seminar about their master research						
5		Giving a seminar about their master research						
		Giving a seminar about an assigned article (1) to each						
6		Giving a seminar about an assigned article (1) to each						
7		Giving a seminar about an assigned article (1) to each						
8		Giving a seminar about an assigned article (2) to each						
9		Giving a seminar about an assigned article (2) to each						



10		Giving a seminar about an assigned article (3) to each						
11		Giving a seminar about an assigned article (3) to each						
12		Giving a seminar about an assigned article (4) to each						
13		Giving a seminar about an assigned article (4) to each						
		Giving a seminar about an assigned article (4) to each						
14		Giving a seminar about an assigned article (5) to each						
15		Final one hour topic seminar						

24. Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	CLO/s Linked to the Evaluation activity	Period (Week)	Platform
Giving a seminar about their curriculum vita	Pass/fail				
Giving a seminar about their master research					
Giving a seminar about an assigned article (1) to each					
Giving a seminar about an assigned article (2) to each					



Giving a seminar about an assigned article (3) to each					
Giving a seminar about an assigned article (4) to each					
Giving a seminar about an assigned article (5) to each					
Final one-hour topic seminar					Using the rubric

25. Course Requirements:

Students should have a computer, internet connection, account on Microsoft Teams and Moodle, and Scifinder registration,

26. Course Policies:

A- Attendance policies:

B- Absences from exams and submitting assignments on time:

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy:

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

27. References:

ACS guide in how to give a graduate seminar in chemistry (2) Group Theory for Chemists, by George Davidson, 1st Edition, MACMILLAN education Ltd., 1991.

28. Additional information:



Name of the Instructor or the Course Coordinator: **Dr. Firas Awwadi, Prof.** Signature: Date:

The Head of Graduate Studies Committee/
Department Chemistry
Dr. Murad AlDamen, Prof. Signature: Date:

The Head of Department of Chemistry
Dr. Murad AlDamen, Prof. Signature: Date:

Vice Dean for Graduate Studies and Scientific
Research / School of Science
Dr. Kamal Sweidan, Prof. Signature: Date:

The Dean of School of Science
Dr. Mahmoud I. Jaghoub, Prof. Signature: Date: