



Jordan University of Science and Technology
Faculty of Science & Arts
Chemistry Department

CHEM799C Master Thesis - JNQF Level: 9

First Semester 2023-2024

Course Catalog

3 Credit Hours. The objective of this course is that the student demonstrates that she/he has reached the professional skills required to earn the Master degree. Based upon the thesis proposal and thesis work completed with supervisor approval, the students should be undertaking prepared to complete their thesis writing and defend their thesis. The outcome of this course will be a Master Thesis Dissertation that will describe the work done and that may provide a starting point for further work

Teaching Method: On Campus

Instructor

Name	Dr. Mousa Al-Smadi
Office Location	D3L0
Office Hours	Sun : 11:00 - 12:00 Sun : 13:00 - 14:00 Mon : 11:00 - 12:00 Mon : 14:00 - 15:00 Tue : 14:30 - 15:30 Wed : 12:00 - 13:00
Email	mariam10@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: U : 00:00 - 00:00
Room: U

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Prepare work schedule	
Week 2	Meet with advisor and discuss the work schedule	

Weeks 3, 4	Start working on writing literature review	
Weeks 5, 6	Write the experimental and result and discussion chapters	
Weeks 7, 8	Write full thesis draft	
Weeks 9, 10	Prepare final revision of thesis draft	
Week 11	Submit draft to committee	
Weeks 12, 13	The committee are reviewing the thesis	
Week 14	Defense	
Week 15	Final revisions	
Week 16	Submit the final thesis to the graduate college	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate the experimental techniques in the research laboratory [1a, 1b, 1e, 1k] [1L9K1, 1L9S1, 1L9C6]	25%	
Assemble and explain the results [1a, 1c, 1e, 1i] [1L9K2, 1L9S1, 1L9S2, 1L9C6]	25%	
Examine the analyzed data with literature support [1a, 1e, 1k] [1L9K1, 1L9K3, 1L9S2, 1L9C5]	20%	
Explain how the master thesis contributes to the development of new knowledge and to evaluate this work [1e, 1h, 1i] [1L9K1, 1L9K3, 1L9S2, 1L9C5]	20%	
Produce a thesis within a given time frame and in accordance with established standards for language and format [1c, 1f] [1L9K3, 1L9C2, 1L9S3]	10%	

Relationship to Program Student Outcomes (Out of 100%)										
a	b	c	d	e	f	g	h	i	j	k
19.17	6.25	11.25		25.83	5		6.67	12.92		12.92

Relationship to NQF Outcomes (Out of 100%)								
L9K1	L9K2	L9K3	L9S1	L9S2	L9C2	L9C5	L9S3	L9C6
18.33	6.25	13.33	14.58	16.25	3.33	10	3.33	14.58

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