



مركز الاعتماد
وإضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course Name: Graduation Project

Course Syllabus

1	Course title	Graduation Project	
2	Course number	(0301498)	
3	Credit hours	3	
	Contact hours (theory, practical)	3	
4	Prerequisites/corequisites	Successful Completion of 90 Credit hours	
5	Program title	B.Sc.	
6	Program code		
7	Awarding institution	The University of Jordan	
8	School	Science	
9	Department	Mathematics	
10	Course level	Compulsory Specialization requirement	
11	Year of study and semester (s)	4 th year	
12	Other department (s) involved in teaching the course	None	
13	Main teaching language	English	
14	Delivery method	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online	
15	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date	3-11-2022	

17 Course Coordinator:

Name: Prof. Omar Abughneim

Contact hours: 8:30-10:00

Office number: 329

Phone number:

Email: o.abughneim

**18 Other instructors:**

Name:

Office number:

Phone number:

Email:

Contact hours:

Name:

Office number:

Phone number:

Email:

Contact hours:

19 Course Description:

As stated in the approved study plan.

A comprehensive project in which the student applies the knowledge and skills accumulated from different courses in some area of mathematics. These areas include but not limited to: linear algebra, differential equation, mathematical modelling, optimization and operations research, graph theory, numerical methods, computational mathematics, financial mathematics, actuarial science and statistics

20 Course aims and outcomes:

A- Aims: Apply the knowledge and skills accumulated from different courses in some real life issues.

B- Intended Learning Outcomes (ILOs):

Successful completion of the course should lead to the following outcomes

A. Knowledge and Understanding Skills:

Student will be able to Identify the steps required to carry out the work.

B. Intellectual Analytical and Cognitive Skills: Student will be able to:

Apply the knowledge and skills accumulated from different courses to a representation of reality.

C. Subject- Specific Skills: Student will be able to:

Present with your team your work in order to be judged.

D. Creativity /Transferable Key Skills/Evaluation:

Student will be able to:

Write a comprehensive report on the work as the format posted on the department website.

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

SLOs	SLO (1)	SLO (2)	SLO (3)	SLO (4)	SLO (5)	SLO (6)	SLO (7)	SLO (8)
SLOs of the course								
Student will be able to Identify the steps required to carry out the work.	●						●	
Apply the knowledge and skills accumulated from different courses to a representation of reality.		●	●				●	
Present with your team your work in order to be judged.				●		●	●	
Student will be able to write a comprehensive report on the work as the format posted on the department website.					●		●	●

21 . Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods
Assign mathematical problems which may be theoretical, practical, or computations.	1		1,3	
Write a proposal including time table for implementation	2		4,5	
Study the problem assigned and its theoretical background and conduct a literature review	3-5		7,8	
Set the approach and make the problem analysis and preliminary design.	6-8		4,5	
Carry out detailed design, construction and testing (if any).	9-11		2,6	
Write a comprehensive report on the work as the format posted on the department website.	12-13		4,6	
Present with your team your work in order to be judged	14-15		2,6	

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:
- 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:



25 References:

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

B- Recommended books, materials, and media:

26 Additional information:

Name of Course Coordinator: Prof. Omar Abughneim---Signature: ----- Date: 8-11-2022-----

Head of Curriculum Committee/Department: Prof. Ahmad Al Zghoul-- Signature: -----

Head of Department: -Prof. Manal Ghanem - Signature: -M. Ghanem

Head of Curriculum Committee/Faculty: ----- Signature: -----

Dean: Mahmoud Jaghoub Signature: -----