

1	Course title	Environmental Impact Assessment
2	Course number	5502422
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3
4	Prerequisites/corequisites	None
5	Program title	B.Sc. in Biological Science
6	Program code	-
7	Awarding institution	University of Jordan / Aqaba Branch
8	School	Faculty of Marine Sciences
9	Department	Coastal Environment
10	Level of course	Third and fourth year
11	Year of study and semester (s)	2018/2019 – Autumn Term
12	Final Qualification	B.Sc. in Biological Science
13	Other department (s) involved in teaching the course	NA
14	Language of Instruction	English
15	Date of production/revision	2018

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Office Number:

Office Hours:

Phone Number:

Email Address:

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

None

18. Course Description:

As stated in the approved study plan.

This course introduces the Environmental Impact Assessment (EIA) methodology as an important tool for efficient environmental management in the decision making process. The course introduces the concepts, issues, governing legislations and the various stages for the EIA process. It also introduces different EIA case studies on the local, national, regional and international levels.

19. Course aims and outcomes:

<p>A- Aims:</p> <ul style="list-style-type: none"> ▪ Realising the basics of EIA as an essential tool to conserve the environment, making the balance between economic developments and conserving the environment in a way to reach sustainable development. ▪ Understanding the requirements of applying EIA. ▪ Being able to implement EIA study on a small scale. ▪ Helping students in presenting their opinions, shifting their learning ways from memorising style into analysis and critical thinking.
<p>B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to</p>
<ul style="list-style-type: none"> ▪ Understanding the EIA definition, concept and purpose and the purpose of applying it. ▪ Recognising the benefits of applying EIA for the proponent, government, and public communities.
<ul style="list-style-type: none"> ▪ Realizing the key elements for the EIA process. ▪ Understanding how the EIA would be integrated within the project life cycle. ▪ Understanding the required time and cost for the EIA. ▪ Be familiar with the limitation of the EIA. ▪ Understanding the involved parties in the EIA process.
<ul style="list-style-type: none"> ▪ Understanding the national EIA system.
<ul style="list-style-type: none"> ▪ Figuring out the benefits of public participation. ▪ Being familiar with the Jordan stakeholders in EIA. ▪ Understanding the key principles of public involvement. ▪ Understanding the scope of stakeholders in the different stages of the EIA process. ▪ Knowing how to prepare a public involvement plan. ▪ Understanding and being able to reflect the techniques of public involvement in different examples for EIA case studies.
<ul style="list-style-type: none"> ▪ Understanding the EIA regulation in ASEZA.
<ul style="list-style-type: none"> ▪ Reflecting highlighted articles in the EIA regulation on the previous material. ▪ Reflecting highlighted articles in the EIA regulation on the ground.
<ul style="list-style-type: none"> ▪ Understanding the concept and objectives from the submission stage in the EIA. ▪ Understanding the concept and objectives from the screening stage in the EIA.
<ul style="list-style-type: none"> ▪ Understanding the concept and objectives of scoping stage. ▪ Knowing the steps and methods of scoping. ▪ Realising the concept of TORs and how to reflect this concept in the EIA process.
<ul style="list-style-type: none"> ▪ Understanding the concept, objectives and outputs from the reporting process. ▪ Understanding the concept, objectives and outputs from the reviewing process. ▪ Understanding the concept, objectives and outputs from the monitoring process. ▪ Understanding the concept, objectives and outputs from the audit process.

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved Intended Learning Outcomes (proposed till now but will be modified at the end of term)	Evaluation Methods	Reference
Introduction to EIA	One	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> Understanding the EIA definition, concept and purpose and the purpose of applying it. Recognising the benefits of applying EIA for the proponent, government, and public communities. 	Discussions, quizzes, and home works	Various sources
Introduction to EIA	Two	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> Realizing the key elements for the EIA process. Understanding how the EIA would be integrated within the project life cycle. Understanding the required time and cost for the EIA. Be familiar with the limitation of the EIA. Understanding the involved parties in the EIA process. 	Discussions, quizzes, and home works	Various sources
Introduction to EIA	Three	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> Understanding the national EIA system. 	Discussions, quizzes, and home works	Various sources
Mid-Term Exam	Five	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> Reviewing weeks 1 – 4 with the students. Mid-term exam. 	Mid-term exam	NA
Public involvement	Six	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> Figuring out the benefits of public participation. Being familiar with the Jordan stakeholders in EIA. 	Discussions, quizzes, and	Various sources

			<ul style="list-style-type: none"> ▪ Understanding the key principles of public involvement. ▪ Understanding the scope of stakeholders in the different stages of the EIA process. ▪ Knowing how to prepare a public involvement plan. ▪ Understanding and being able to reflect the techniques of public involvement in different examples for EIA case studies. 	home works	
Environmental legislations	Seven	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> ▪ Understanding the EIA regulation in ASEZA. 	Discussions, quizzes, and home works	Various sources
Environmental legislations	Eight	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> ▪ Reflecting highlighted articles in the EIA regulation on the previous material. ▪ Reflecting highlighted articles in the EIA regulation on the ground. 	Discussions, quizzes, and home works	Various sources
Screening and Scoping Process	Nine	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> ▪ Understanding the concept and objectives from the submission stage in the EIA. ▪ Understanding the concept and objectives from the screening stage in the EIA. 	Discussions, quizzes, and home works	Various sources
Scoping and preparation of the TORs	Ten and Eleven	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> ▪ Understanding the concept and objectives of scoping stage. ▪ Knowing the steps and methods of scoping. ▪ Realising the concept of TORs and how to reflect this concept in the EIA process. 	Discussions, quizzes, and home works	Various sources
Reporting, reviewing,	Twelve	Dr. Wissam Al-Hayek	<ul style="list-style-type: none"> ▪ Understanding the concept, objectives and outputs from the reporting process. 	Discussions, quizzes, and	Various sources

monitoring, and Audit			<ul style="list-style-type: none">▪ Understanding the concept, objectives and outputs from the reviewing process.▪ Understanding the concept, objectives and outputs from the monitoring process.▪ Understanding the concept, objectives and outputs from the audit process.	home works	
Preparation for the final exam	Thirteen	Dr. Wissam Al-Hayek	<ul style="list-style-type: none">▪ Reviewing the material with the students.▪ Discussions and further questions.	Discussions, quizzes, and home works	Various sources

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- 1- Power point presentations
- 2- Discussions and questions
- 3- Presenting real EIA case studies

22. Evaluation Methods and Course Requirements:

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

- 1- Weekly home works
- 2- Weekly quizzes
- 3- Mid-term exam
- 4- Final exam

23. Course Policies:

A- Attendance policies:

- Absence from lectures shall not exceed 15%.
- Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the college shall not be allowed to take the final examination and shall receive a mark of zero for the course.
- If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

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

- Absences without a medical or emergency excuse acceptable to and approved by the Dean of the college shall receive a mark of zero.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehaviour:

- Attempts to cheat during an exam or plagiarism for the written reports shall lead to a mark of zero in the exam or the home works and might lead to failure in the course with other consequences according to the regulations of the university.

E- E- Grading policy:

Mid-term Exam	30%
Semester Work	30%
Final Exam	40%
Total:	100%

94-100	4	A
87-93	3.75	A-
80-86	3.5	B+
75-79	3	B
70-74	2.75	B-
65-69	2.5	C+
60-64	2	C
55-59	1.75	C-
50-54	1.5	D+
45-49	1	D
40-44	0.75	D-
0-39	0	F

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

- Library sources and access to internet.

24. Required equipment: (Facilities, Tools, Labs, Training....)

- Laptop and data show

25. References:**Required book (s), assigned reading and audio-visuals:**

- Students will be supported with the material for the course at the end of each week.

Recommended books, materials, and media:

- Introduction to Environmental Impact Assessment "A Guide to Principle and Practice" by Bram Noble 2nd edition, Oxford.
- Introduction to Environmental Impact Assessment by John Glasson, Riki Therivel, and Andrew Chadwick 3rd edition, Routledge.

26. Additional information:

Name of Course Coordinator: Wissam Al-Hayek Signature: Wissam Al-Hayek Date: 24th Sep, 2018

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----