



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Marine resources
2	Course number	(Credit hours: 3) 5501452
3	Credit hours (theory, practical)	3 theory
	Contact hours (theory, practical)	
4	Prerequisites/corequisites	5501102
5	Program title	Bachelor in Marine Biology
6	Program code	5501
7	Awarding institution	The University of Jordan-Aqaba
8	Faculty	Marine Sciences
9	Department	Marine Biology
10	Level of course	Second year
11	Year of study and semester (s)	Second semester 2014/2015
12	Final Qualification	BSc.
13	Other department (s) involved in teaching the course	non
14	Language of Instruction	English
15	Date of production/revision	2011

16. Course Coordinator:

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

Prof. Maroof A. Khalaf,
Tel. 03-2090450-35073
Office hours;
e-mail; m.khalaf@ju.edu.jo

17. Other instructors:

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

Prof. Maroof A. Khalaf,
Tel. 03-2090450-35073
Office hours;
e-mail; m.khalaf@ju.edu.jo

18. Course Description:

As stated in the approved study plan.

The course introduces students to the nature of different marine resources and types and methods of their proper utilization and sustainability.

19. Course aims and outcomes:

- The course will provide the students with information on The Living Resources of the Sea (Food From the Sea), Marine Life as Items of Commerce and recreation of various taxa.
- The course will provide the students with the basic understanding of the Non-living Resources From The Sea Floor: Oil and Gaz, Ocean Mining
- Non-living Resources from the Sea water: Fresh Water, Minerals, Energy
- The course will provide the students with information on case studies related to Living marine resources from PERSGA region such as:
 - Sea Cucumber Fisheries Of Yemen status and Recommendations
 - Ornamental Fish Trade in the Gulf of Aden and the Red Sea
 - Guidelines for Compensation Following Damage To Coral Reefs By Ship Or Boat Groundings
 - The Status Of Coral Reefs In The Red Sea And Gulf Of Aden
 - Economic Importance Of Mangroves
- The topics covered in this course will allow the students to better comprehend other courses related to marine living resources.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

Learning outcomes:

Knowledge and understanding At the end of this module, students will be able to:

- Know what are the **Resources from the Sea:** The Living Resources of the Sea (Food From the Sea), Marine Life as Items of Commerce and recreation, Non-living Resources From The Sea Floor: Oil and Gaz, Ocean Mining; Non-living Resources from the Sea water: Fresh Water, Minerals, Energy.
- Know the economic importance of the major marine living resources such as: sponges, mollusca, crustacean, sea cucumber, fishes, and marine algae.
- Gain knowledge and understanding on some of the problems facing the stocks of the related to living marine resources and how to deal with these problems.
- **Cognitive skills (thinking and analysis).**
 - The thinking skills will be developed by encouraging students to conclude answers to different questions that the instructor intends to use during the presentation of the scientific material.
 - The instructor intends to stimulate the student's analytical thinking side via connections with general aspects in daily life or through questions, net searching, and home works.

<p>the Red Sea and Gulf Of Aden Sea Cucumber Fisheries Of Yemen status and Recommendations Ornamental Fish Trade in the Gulf of Aden and the Red Sea Guidelines for Compensation Following Damage To Coral Reefs By Ship Or Boat Groundings The Status Of Coral Reefs In The Red Sea And Gulf Of Aden Economic Importance Of Mangroves</p>					
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21. Teaching Methods and Assignments:

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

Power point lectures, questions and discussions, videos, home works, lab work

Assignments such as preparing of reports on topics related to the subject.

Students are requested to present a power point presentation on a subject of his/her choice within the framework of the study material.

22. Evaluation Methods and Course Requirements:

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

1. Quizzes
2. Power point presentations
3. Home work
4. Lab work
5. Participation in the class
6. Mid Exam
7. Final Exam

23. Course Policies:

A- Attendance policies: I strongly recommend you attend every lecture. Missing any class will put you at a distinct disadvantage when test taken. 2- Any student with six or more unexcused absences from lecture sessions can be legally dropped from the course.

B- Absences from exams and handing in assignments on time: The only valid excuses for missing an exam are:

death in the family, illness, or accident. In this case you must provide evidence of some kind and you must report me within 3 days.

C- Health and safety procedures: Students who miss the exam due to illness or other excuse must notify me within the first week after the exam, so make up arrangements can be Made.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

1. Students are not expected to talk in class while the instructor is lecturing
2. After two warning of taking or any other classroom disruption, the Student will be automatically removed from the class.
3. Any act of cheating, or academic misconduct is subject to penalties.
4. The minimum penalty for any students caught cheating will receive a zero on that test.

E- Grading policy: I will base your grade on your performance in the exams and classroom

Type	Grading
Quizzes, Scientific reports and participation	20%
Midterm exam:	30%
Final Exam:	50%

Exams: The examinations will consist of any combination of Multiple choice, short answer, fill in the blank, matching, identification of figures or essay questions

F- Available university services that support achievement in the course: Books in the library, data show, printers, scanners

Mid Term 30%, Reports, research projects, Home works, presentations 15%, Quizzes. 10%, Final Exam 50%

Available university services that support achievement in the course:

Library sources are available, internet, laboratory facilities

24. Required equipment:

1. Lab top
2. Data how
3. white board
4. Printer

5. scanner

6. markers

25. References:

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

Textbook:

Nybakken, J.W. 1997. Marine Biology: An Ecological Approach. Addison-Wesley Educational Publishers Inc.

PERSGA Technical Series No. 11. 2004. Status of Mangroves in the Red Sea and Gulf of Aden.

PERSGA Technical Series No. 16. The Status Of Coral Reefs In The Red Sea And Gulf Of Aden.

Sea cucumber fisheries of Yemen

PERSGA Technical Series No. 14. 2004. Current Status of the Ornamental Fish Trade in the Red Sea and Gulf of Aden with Guidelines for a Self-financing Monitoring, Control and Surveillance Programme and Proposals for Quotas **status and recommendations.**

B- Recommended books, materials, and media: Internet access, videos

26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: -----

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

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

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

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

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File