A- Basic Information

Programme(s) on which the course is given:	MSc of Fish Biology and Aquatic Ecology
Depaetment responsible for offering the course:	Zoology
Depaetment responsible for teaching the course:	Zoology
Academic year:	2012-2013
Course title and code:	**Fish Production Z682**
Contact hours (credit hours):	Lecture: 2 hrs Practical: Total: 2 hrs
Course coordinator:	Prof.Dr. Elsayed Khallaf

B- Professional Information

The course aim and intended learning outcomes are based on that mentioned in the programme specifications, with more course-related specific details.

1- Overall Aims of Course: By the end of this course, the student should be able to

* Outline the concepts of fish criteria such as weight-length relationship and age groups and their relation to fish production.
* Identify the different fishery types.
* Demonstrate the distribution, ecology and life history of fishes.
* Identify the concept of carrying capacity and biomass.
* Describe the state of fishery.
* Recommend what is required to reach optimum fish production.

2- Intended Learning Outcomes of Course (ILOs):

a- Knowledge and Understanding:

a1- Illustrate the different methods of fishery production.

a2- Identify the different types of fisheries.

a3- Outline the necessity of a sustainable yield.

a4- Recognize the economic, social and anthropogenic effects on fish production.

a5- Enumerate the requirements for a successful fishery.

b- Intellectual Skills:

b1- Classify the differences between freshwater and marine fish production.
b2- Define the issues that may arise in fish production.
b3- Calculate the methods for yield prediction.
b4- Predict the state of a fishery.
b5- Recommend the necessary steps for restoring an overfished population.

c- Professional and Practical Skills:

c1- Deal with fish production of a specific aquatic habitat.
c2- Expert on giving recommendation to solve fishery problems.

d- General and Transferable Skills:

d1- Handle fish production problems.
d2- Lead a team to tackle the state of a fishery.

d3- Illustrate the management requirements of a successful fishery.

3- Teaching and Learning Methods

- Lectures.
- Quiz assignment**.**
- Case essays.

4- Student Assessment Methods

- Written Exams.
- Oral exams
- Reports.

Assessment schedule

Assessment 1	Assignment report	Weekly
Assessment 2	Mid-term exams	Week 7
Assessment 3	Oral exams	Week 10
Assessment 4	Final term exams	Week 14

Weighting of assessments

Mid-term examination 20%

Final-term examination	40%
Oral examination	10%
Practical examination	20%
Semester work	10%
Total	100%

6- List of references

0. **Course Notes**.
1. **Essential Books (Text books):**
   Related text books
2. **Internet web sites.**

7- Facilities required for teaching and learning

* Data show.
* Slide and over-head projector.
* Librarian facilities.
* Computers with internet Access**.**
* Student lab provided with preserved samples.

Course coordinator: Prof. Elsayed Khallaf

Head of Department: Prof. Saber Sakr