



Suggested research topics

Winter semester of the academic year 2019/2020

Course name in Arabic: الاستزراع البحرى	
Course name in English: Marine aquaculture	
Professor Dr.: Mohamed M. Abdel-Rahim	
Level: Third	
Department: Aquaculture	





No.	Research title	Research items
1	Broodstock Management of marine fishes and Ovarian Development	 Broodstock selection Discrimination between male and females Feeding and feed quality during maturation Transportation Treatments against parasites Ovarian development
2	Anaesthetization of fish: broodstocks and juveniles	 Anesthetics products Mode of action Stages of Anaesthesia Behavioral Characteristics of fish Induction and recovery time Concentrations for brooders, fry, and juveniles
3	Broodstock nutrition of marine fish: effects on spawning and fry quality	 Scientific basic of Broodstock nutrition Types of food/feed Methods of feeding Effects of maturation Effects of fry quality
4	Spawning hormones	 Types and concentrations of hormones Mode of action Routes for administering spawning hormones Calculations Preparation of hormones Spawning tanks Advantages of induced spawning with hormones
5	Hatchery management of European Sea Bass, <i>Dicentrarchus labrax</i>	 Advantages and disadvantages of species Design Requirments Broodstock management Larval rearing management Operation Production Expected economics
6	Hatchery management of Asian Sea Bass, Lates calcarifer	 Advantages and disadvantages of species Design Requirments Broodstock management Larval rearing management Operation Production Expected economics

Course Instructor:

Name: Mohamed M. Abdel-Rahim Signature: *Mohamed Abdel-Rahim*



Kafr El-Sheikh University Faculty of Aquatic and Fisheries Sciences Winter semester of the academic year 2019/2020



No.	Research title	Research items
7	Hatchery management of Grey mullet, <i>Mugil cephalus</i>	 Advantages and disadvantages of species Design Requirments Broodstock management Larval rearing management Operation Production Expected economics
8	Hatchery management of Meagre, Argyrosomus regius	 Advantages and disadvantages of species Design Requirments Broodstock management Larval rearing management Operation Production Expected economics
9	Hatchery management of Gilthead Sea Bream, <i>Sparus Aurata</i>	 3- Advantages and disadvantages of species 4- Design 5- Requirments 6- Broodstock management 7- Larval rearing management 8- Operation 9- Production
10	Hatchery management of Common Sole, Sole vulgaris	 10- Expected economics 1- Advantages and disadvantages of species 2- Design 3- Requirments 4- Broodstock management 5- Larval rearing management 6- Operation 7- Production 8- Expected economics
11	Hatchery management of grouper, Epinephelus sp.	 Advantages and disadvantages of species Design Requirments Broodstock management Larval rearing management Operation Production Expected economics

Course Instructor:

Name: Mohamed M. Abdel-Rahim

Signature: Mohamed Abdel-Rahim



Kafr El-Sheikh University Faculty of Aquatic and Fisheries Sciences Winter semester of the academic year 2019/2020



No.	Descende 4:41e Descende :4ems		
110.	Research title	Research items	
12	Hatchery management of Red tilapia	 Advantages and disadvantages of species Design Requirments Broodstock management Larval rearing management Operation Production 	
13	Hatchery management of the marbled Spinefoot Rabbitfish, <i>Siganus rivulatus</i>	 8- Expected economics 1- Advantages and disadvantages of species 2- Design 3- Requirments 4- Broodstock management 5- Larval rearing management 6- Operation 7- Production 8- Expected economics 	
14	Inshore marine fish farm in the cage <u>(Choose any species)</u>	 3- Expected economics 1- Scientific basics 2- Requirements 3- Species of fish 4- Methods of operations 5- Production 6- Expected economics 	

Course Instructor:

Name: Mohamed M. Abdel-Rahim

Signature: Mohamed Abdel-Rahím