



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Aquaculture Breeding and Health							
Course Code		LVS156		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The main objective of the course is to make students understand the principles of fish diseases and aquaculture.							
Course Content		Sea bream, sea bass, trout and carp brood rearing techniques in all phases of the stage and the lower portion includes the use of structural elements. Also, biotic agents caused diseases on fish, the importance and the definition of fish diseases, their contamination routes, the diagnoses, sampling, vaccinations.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Individual Study					
Name of Lecturer(s)		Lec. Okan ERTOSLUK							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Su Ürünleri Yetiştiriciliği Ders Kitabı-2005-Atilla Alpbaz
2	Balık Hastalıkları-Prof. Dr. Hüdaverdi Erer

Week	Weekly Detailed Course Contents	
1	Theoretical	Ability to select and care of sea bream, sea bass, trout and carp breeders.
2	Theoretical	Ability to application of spawning technique and taken healthy egg from the sea bream, sea bass, trout and carp broodstocks, and incubation methods.
3	Theoretical	Ability to care of sea bream, sea bass, trout and carp larviculture.
4	Theoretical	Ability to make a transportation of sea bream, sea bass, trout and carp from hatchery and adaptation workings (techniques).
5	Theoretical	Ability to set up sea-cages (sea bream, sea bass, trout and carp).
6	Theoretical	Ability to make a cage culture of sea bream and sea bass.
7	Theoretical	Ability to make a pool and cage culture of trout and carp.
8	Intermediate Exam	Midterm exam
9	Intermediate Exam	Midterm exam
10	Theoretical	Make provision against illness caused by food
11	Theoretical	Quarantine applications
12	Theoretical	Morphological changes in fish disease
13	Theoretical	The sampling and deliver to laboratory for diagnose
14	Theoretical	Vaccine and vaccination methods
15	Theoretical	The choicing drugs used on fish diseases and application routes
16	Final Exam	Final exam
17	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	0	2	26
Individual Work	13	2	0	26
Midterm Examination	1	9	1	10



Final Examination	1	12	1	13
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Ability to make a sea bream, sea bass, trout and carp culture
2	Ability to make a sea bream, sea bass, trout and carp growing
3	To learn the contamination ways and prevention measures.
4	To differentiate the symptoms of diseases in cultured fish.
5	To choice and apply the drugs used on fish diseases.

### Programme Outcomes (Laboratory and Veterinary Sciences)

1	To be able to understand and use , where information about Veterinary Technician
2	To be able to analyze and synthesize
3	To be able to have awareness of ethical and professional responsibility
4	To be able to recognise the basic features of animal species and breeds
5	To be able to make and test preparation In the laboratory, under the supervision of the veterinarian in charge of registration,
6	To be able to care of animals Asepsis and antisepsis to do with the preoperative and postoperative
7	To be able to control of parasitic infestations and infectious disease prevention and veterinary advice can be helpful when working on
8	To be able to prepare and use of animal feeding protocols In theory
9	To be able to Veterinarian examination, imaging, and surgical applications of finding assistance during the application and conduct any kind planned by Veterinarian
10	To be able to Make efforts to enhance productivity in animal husbandry

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	4	4	4	5
P2	4	4	3	3	4
P3	4	4	3	3	3
P4	5	5	3	3	2
P5	3	3	3	3	3
P6	5	5	3	3	4
P7	3	3	5	5	5
P8	4	4	2	2	2
P9	3	3	3	3	5
P10	4	4	4	4	4

