BREAM AND BASS BREEDING

1	Course Title:	BREAM AND BASS BREEDING	
2	Course Code:	VSH 6014	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Soner Altun	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Mail:saltun@uludag.edu.tr Uludağ Ünv. Veteriner Fak. Su Ürünleri Hastalıkları Anabilim Dalı	
17	Website:	http://saglikbilimleri.uludag.edu.tr/	
18	Objective of the Course:	Economical impprtance of marine fish,systematics,biological feature, water and enviroment needs, reproduction biology, hatchery techniques, pond-cage breeding methods in marine enviroment and biotechnical applies, feeding, harvest, diseases, transporatation and marketing of marine fish.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Racognation of bream and bass
		2	Learning of bream and bass breeding
		3	Learning how to build bream and bass farms
		4	Learning proper water parameters and water sources for bream and bass
		5	Learning milking, hatchry,larvae,adult and brood breeding of bream and bass
		6	Learning feeding and marketing of bream and bass
		7	
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		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Systematics and biological features of bream and bass	
2	Types of bream and bass in Turkey and world	
3	Enviroment and water needs of bream and bass	

4	Reproduction biology of bream and bass and milking techniques	
5	Hatchery techniques and egg caring in breama and bass	
6	Pond-cage breeding methods and biotechnological applies	
7	Pond-cage breeding methods and biotechnological applies	
8	Feeding of bream and bass and their food features	
9	Larvae breeding and growth of infants	
10	Larvae breeding and growth of infants	
11	Harvest of adult bream and bass	
12	Transportation and marketing of bream and bass	
13	Important cases in marketing of bream and bass	
14	Breeding and feeding of brood in bream and bass	

22	Textbooks, References and/or Other Materials:	1. Woo P.T.K., Bruno D.W.: Fish Diseases and Disorders, Vol. 3, Viral, Bacterial and Fungal Infections, , CABI Publishing, UK, 1999 2. Buller, N.B : .Bacteria from Fish and Other Aquatic Animals , CABI Publishing, UK, 2004 3. Arda M., Seçer S., Sarıeyyüboğlu M.: Balık Hastalıkları, Publishers Ltd., London, 2001 6. Erer, H. : Balık Hastalıkları, Selçuk Üniversitesi Basım 7. Düzel S. Paraziter Balık Hastalıkları. Mersin Univ. Yayınları, 2002
23	Projects Assesment	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	1	5.00	5.00
Projects	0	0.00	0.00
Field Studies	1	5.00	5.00
Midterm exams	0	0.00	0.00
Others	1	10.00	10.00
Final Exams	1	14.00	14.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

Contribution of Term (Year) Learning Activities to Success Grade	10.00
Contribution of Final Exam to Success Grade	90.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	

24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	2	3	4	3	5	5	5	5	5	4	5	5	0	0	0	0

ÖK2	2	5	5	4	5	4	5	3	3	1	3	2	0	0	0	0
ÖK3	3	5	5	5	5	3	3	2	2	1	3	2	0	0	0	0
ÖK4	5	4	5	5	5	3	3	1	2	1	3	2	0	0	0	0
ÖK5	5	4	5	5	5	2	5	1	1	1	3	2	0	0	0	0
ÖK6	5	4	3	5	5	2	2	1	1	1	3	2	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**