AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Protozoa Of Fish								
Course Code	VPR640		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The purpose of this course is diagnosis, treatment and prevention methods of important protozoa in fish related issues to inform.								
Course Content	Ectoparasitic protozoa like Ichtyopthrius multifilis, Trichodina, Trichodinella, Cryptobia and endoparasitic protozoa like Hexamita, Trypanasoma, Coccidia, Myxospora, morphology, biology, routes of infections, diseases in fish, diagnosis, therapy and prophylaxis methods.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study								
Name of Lecturer(s)	Prof. Hasan EREN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Quiz	2	10
Assignment	2	10

Recommended or Required Reading	
1	URQUHART, GM , et. al. (1987) : Veterinary Parasitology , Longman Scientific and Technical.
2	BOWMAN, D.D.,R.C. Lynn, (1995). Georgis' Parasitology for veterinarians. W. B. Saunders Company, USA
3	BURGU, A., KARAER, Z. (2005). Parazit Hastalıklarında Tedavi. Türkiye Parazitoloji Derneği, Yayın No:19.
4	SCHMIDT, G.D. (1985). Foundations of Parasitology.

Week	Weekly Detailed Course Contents	
1	Theoretical	Trypanoplasmosis
2	Theoretical	Trypanosomosis
3	Theoretical	Cryptobiosis
4	Theoretical	Ichtyobodosis
5	Theoretical	Hexamitosis
6	Theoretical	Coccidiosis
7	Theoretical	Mikrosporosis
8	Intermediate Exam	Midterm exam
9	Theoretical	Myxosporidiosis
10	Theoretical	İchtyophithirisosis
11	Theoretical	Chilodonellosis
12	Theoretical	Trichodiosis
13	Theoretical	Apiosomosis
14	Theoretical	Oodinosis
15	Theoretical	Antiprotozoerler and application methods that can be used in fish
16	Final Exam	Final examination
17	Final Exam	Final examination

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	2	4
Quiz	2	2	1	6
Midterm Examination	1	5	1	6

Final Examination	1	5	1	6
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To know important protozoa in fish.
2	Knowing this protozoan diseases
3	Knows symptoms and diagnostic methods of protozoan diseases of fish
4	Knows treatment of protozoan diseases of fish
5	Knows control of protozoan diseases of fish

Programme Outcomes *(Parasitology (Veterinary Medicine) Doctorate)*	
1	
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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	5	5	5	4	4
P2	5	5	5	5	4
P3	5	5	5	4	5
P4	5	5	5		
P5	5	5	5	5	4
P6	4	4	4		
P8	3	3	3		
P9	3	3	3		
P11	4	4	4	4	4