



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Aquarium							
Course Code		SUM192		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To obtain general knowledge about the aquarium equipments, water requirements in fresh water aquarium, most popular aquarium fishes and to provide basic information required for a simple aquarium work							
Course Content		General characteristics of freshwater aquariums, aquarium equipments, water parameters and their effects on aquarium, aquarium fish species and feeding.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study					
Name of Lecturer(s)		Assoc. Prof. Semra KÜÇÜK							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Akvaryum, Atilla Albaz, E.Ü. Su Ürünleri Fakültesi Yayını, İzmir, 2000
2	Su Ürünleri Yetiştiriciliği, Atilla Albaz, Alp Yayınları, İzmir, 2005.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction, aquarium structure and the materials
2	Theoretical	Selection of the aquarium type and placement
3	Theoretical	Filtration, aeration and heating
4	Theoretical	Filtration, aeration and heating
5	Theoretical	Water characteristics
6	Theoretical	Water characteristics
7	Intermediate Exam	Midterm exam
8	Theoretical	Feed types and feeding
9	Theoretical	Different types of aquarium fishes, characteristics and care
10	Theoretical	Different types of aquarium fishes, characteristics and care
11	Theoretical	Different types of aquarium fishes, characteristics and care
12	Theoretical	Different types of aquarium fishes, characteristics and care
13	Theoretical	Different types of aquarium fishes, characteristics and care
14	Theoretical	Different types of aquarium fishes, characteristics and care
15	Theoretical	The potential problems, preventions and simple disease treatments
16	Final Exam	final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	2	1	3
Final Examination	1	4	1	5
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Having general information about aquarium and aquarium equipment specifications
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2	Understand basic concepts about the the physical and chemical nature of the water and impact on aquatic life
3	To know the general features of fish
4	Knowing the features of important aquarium species
5	Be able to maintain the required water quality in an aquarium.

Programme Outcomes (Horticulture)

1	Ability to examine agricultural problems under the light of basic science, mathematics, and agriculture knowledge
2	Ability to plan and apply in different agricultural systems in horticultural crop plants
3	To constitute and realize breeding programmes according to market demands
4	Ability to propagate any kinds of stock materials in horticultural crop plants
5	Ability of transfer of modern technologies to production
6	Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop plants (To measure, evaluate, and manage different quality parameters)
7	To think analytically of protecting, providing transfer to future, and having responsibility to environment of all plant materials belong to horticultural crop plants area
8	Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural problems (Project, homework, thesis, summer training)
9	Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these subjects by verbal and written ways (Turkish, social course)
10	To be able to perform in a teamwork
11	Ability to work independently, give decision, and Express own thoughts by occupational-ethic values verbal and written ways in horticultural crop plants
12	Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, be a part of a related subjects in a web of communication, and to develop by social means

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

	L1	L2	L3	L4	L5
P8	5	5	5	5	5
P12	5	5	5	5	5

