



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 (Dairy Technology)

1	Having sufficient infrastructure in basic sciences and engineering subjects and ability to use the theoretical and applied info instantly in this field.
2	Determining the modern techniques, tools and information technologies required for applications related with his field and ability to use them efficiently
3	Ability for planning, projecting, and designing, following up, analyzing and finding target-driven solutions related with his field
4	Ability to have professional ethic and awareness.
5	Ability to work, decide, express opinions orally and in written individually
6	Ability to participate team studies, taking responsibility, making leadership.
7	Ability to conceive Atatürk's principles and reforms, to communicate in Turkish and foreign language.
8	Ability to comprehend the necessity to learn for a life time, to monitor developments in science and technology and continuously renew himself.
9	Having sufficient level of information about production and quality control of milk and dairy products and also product development, increasing product quality and food security fields.
10	Ability to detect, define, solve problems related with his field and to select and apply suitable methods and modeling techniques for this purpose.
11	To be conscious about workplace applications, worker health, work security and environment subjects, to have knowledge about legal results of the engineering applications related with his subject.

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	4	4	4	4	4

