



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Hatchery Management							
Course Code		VZO521		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	95 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The aim of course is to teach the procedures required for a successful hatchery activity in the period from the collection of hatching eggs to hatching and developing stages of embryo							
Course Content		Hatching egg, the procedures to hatching egg (collecting, clearing, disinfection and storage), developing stages of embryo, hatching conditions							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Prof. Ahmet NAZLIGÜL							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Aksoy, F.T. (1994): Tavuk Yetiştiriciliği, Ankara Üniversitesi Matbaası, Ankara.
2	Erensayın, C. (2000): Bilimsel-Teknik-Pratik Tavukçuluk. Cilt:1. Nobel Yayın Dağıtım, Ankara.
3	Erensayın, C. (2000): Bilimsel-Teknik-Pratik Tavukçuluk. Cilt:3. Nobel Yayın Dağıtım, Ankara.

Week	Weekly Detailed Course Contents	
1	Theoretical	General traits of hatching eggs
2	Theoretical	Collection and cleaning of hatching eggs
3	Theoretical	Disinfection of hatching eggs
4	Theoretical	Storage of hatching eggs
5	Theoretical	Incubation process of chicken eggs
6	Theoretical	Storage and incubation process of quail eggs
7	Theoretical	Incubation process of duck and goose eggs
8	Intermediate Exam	Midterm exam
9	Theoretical	Incubation process of partridge pheasant eggs
10	Theoretical	Incubation process of ostrich eggs
11	Theoretical	Developing stages of chicken embryos
12	Theoretical	Developing stages of quail embryos
13	Theoretical	The problems caused by mistakes during incubation process and measures to be required
14	Theoretical	Evaluation of the results of incubation
15	Theoretical	Evaluation of the results of incubation
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	10	20
Reading	1	0	30	30
Midterm Examination	1	5	1	6
Final Examination	1	10	1	11
Total Workload (Hours)				95
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	to know the characteristics of hatching eggs, collecting and storage issues
2	to know developing stages of embryo in different poultry breeds
3	to know hatching conditions
4	to know incubation and hatching problems and to make suggestions for a solution
5	Have information to manage a hatchery

**Programme Outcomes** (*Animal Science (Veterinary Medicine) Master*)

1	Knows basic principles of animal rearing and breeding.
2	Knows physiological and morphological traits of farm animals. He/she can achieve a successful herd management by means of transferring his/her knowledge to the rural area.
3	Knows management of the animals and can take required measurements in the farm. He/She controls the productivity in the farm and keeps all farm records.
4	Knows selection and culling methods.
5	He/She can involve in all stages of production in the farm. Knows how to establish and manage of farm enterprises. He/She can help to the entrepreneurs who will enter the farm business.
6	He/She can detect and eliminate hereditary defects and problems by using his/her basic genetic knowledge.
7	Knows production traits due to his/her knowledge about hereditary principles. He/She can achieve heifer selection and determine breeding strategies for maximum production.
8	He/She can involve as an expert in scientific researches, breeding programs and judicial issues with his/her knowledge about race determination, parenthood tests, blood groups etc.
9	Knows how to reach resources and knows selection criterions of scientific researches. He/She can systematically present data. Knows statistical concepts and how to can get data, and present those as figures and tables and how to comment them. Knows different statistical methods. He/She can design a topic as a scientific paper.
10	Knows animal behaviours. Knows legal directives about animal welfare and can design some facilities such as housing, feeding, transferring and slaughtering processes according to these directives.

**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	2	1	1	1	1
P2	2	1	2	2	2
P3	2	1	1	2	2
P5	3	3	2	2	5

