



**AYDIN ADNAN MENDERES UNIVERSITY**  
**KOÇARLI VOCATIONAL SCHOOL**  
**MECHANICAL AND METAL TECHNOLOGY**  
**AGRICULTURAL MACHINERY**  
**COURSE INFORMATION FORM**

Course Title	Animal Production								
Course Code	TAM132			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Giving basic knowledge about farm animal raising and animal products, the importance of these products for human								
Course Content	Animal production in the world and in Turkey, benefits of animal production to agriculture, problems of animal production in Turkey, domestication process, concept of species and breed, reproduction in farm animals, lactation and adaptation to the environment and genetic improvement in farm								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)									

#### Assessment Methods and Criteria

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

#### Recommended or Required Reading

1	Şengonca ve ark. 2008. Hayvan Yetiştirme İlkeleri. E.Ü. Ziraat Fakültesi Yayınları.
2	Ertuğrul ve ark. 1997. Hayvan Yetiştirme (Yetiştiricilik). A.Ü. Ziraat Fakültesi.
3	Bıyıkoğlu, K. 2009. Genel Zootečni. A.Ü. Ziraat Fak. Yayınları No:231. Erzurum
4	Taylor, R.E. and T.G. Field. Scientific Farm Animal Production. An Introduction to Animal Science. Pearson Prentice Hall. Upper Saddle River, NJ. USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Animal production and its importance for human
	Preparation Work	Literature review about the subject
2	Theoretical	Animal production the world and in Turkey
	Preparation Work	Literature review about the subject
3	Theoretical	Problems of animal production in Turkey
	Preparation Work	Literature review about the subject
4	Theoretical	Domestication process of farm animals
	Preparation Work	Literature review about the subject
5	Theoretical	Concept of species and breed and formation of species and breeds
	Preparation Work	Literature review about the subject
6	Theoretical	Reproduction in farm animals- Biological basis of reproduction
	Preparation Work	Literature review about the subject
7	Theoretical	Reproduction in farm animals- Formation of heat and heat behaviours in farm animals
	Preparation Work	Literature review about the subject
8	Intermediate Exam	Midterm exam
9	Theoretical	Reproduction in farm animal- Phases of reproduction activity and the technologies used in animal production
	Preparation Work	Literature review about the subject
10	Theoretical	Mammary system and Lactation
	Preparation Work	Literature review about the subject
11	Theoretical	Environment concept in animal production and adaptation to environment
	Preparation Work	Literature review about the subject
12	Theoretical	Animal housing
	Preparation Work	Literature review about the subject
13	Theoretical	Principles of genetic improvement-Phenotypic variation and its sources
	Preparation Work	Literature review about the subject



14	Theoretical	Principles of genetic improvement-Selection and selection methods and Mating methods
	Preparation Work	Literature review about the subject
15	Theoretical	Principles of genetic improvement- Mating methods
	Preparation Work	Literature review about the subject

**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	5	1	6
Final Examination	1	15	1	16
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	Understanding the importance of animal product in human nutrition and human life,
2	Understanding the problems of animal production in Turkey
3	Understanding the reproduction mechanisms of farm animals
4	Getting knowledge about lactation in mamamlian spicies
5	Getting knowledge about the improvement ways and methods in animal production

**Programme Outcomes (Agricultural Machinery)**

1	To be able to comprehend social, cultural and societal responsibility and keep up with national and international up contemporary issues and developments.
2	To be able to be bounded to the Atatürk nationalism, adopted to the national, ethic, spiritual and cultural value of the Turkish Nation, opened to the universal and modern development, adopted the richness, deep seated and productive properties of the Turkish language, having language sympathy and awareness, having reading pleasure and habit and having sufficient foreign language for their vocational necessities, In the directions of the Atatürk Principles and Revolutions,
3	To be able to recognize the basic computer hardware and operating systems , knowledge of internet usage being able to prepare documents, electronic tables and presentation by using office programs.
4	To be able to be aware of ethic responsibility and vocational profession and to have consciousness of a lifelong learning concept
5	To be able to know current vocational issues and to have skill to define and interpret them.
6	To be able to be aware of the universal and social dimensional effects in engineering solutions, and to be able to have knowledge about entrepreneurship and newfangledness.
7	To recognize the materials which used for preparation of agricultural machinery and have skill for the choosing the appropriate material.
8	To be able to acquire the skill of using the necessary tools and equipments which are used in the production and maintenance of agricultural machinery.
9	To be able to prepare the agricultural tools and machineries, to determine the breakdowns and to do periodic maintenance and repairs.
10	To be able to comprehend the picture of the agricultural tools and machinery and their fabrication , and have the skill to draw them via computer.
11	To be aable to assemble and to combine machinery pieces by using demountable and nondetachable junction methods.
12	To be able to have the skill of resistance calculations of the agricultural tool and machinery on computer.
13	To be able to test and control the suitability of new machines and mechanic equipment to the definite standarts and technical properties.
14	To be able to have general knowledge of agricultural production.
15	To be able to have knowledge of basic sciences.

**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	4	3	2	2	2
P4	3				
P5	3				
P14	5	5	3	3	5

