AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Sheep and Goat Production								
Course Code	ZT307		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	4	Workload	98 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To gain knowledge about the basic concepts of goat and sheep farming								
Course Content	The importance of sheep and goat breeding in community life, terms of sheep and goat farming , Sheep and goat production in Turkey and around the world,The classification of sheep and goats breeds, reproduction in sheep and goats, rearing practices, sheep and goat genetic and environmental improvement, basic principles of nutrition of sheep and goats, health protection, hosting sheep, wool and mohair production, sheep and goat breeding strategies in Turkey								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion								
Name of Lecturer(s)	Prof. Tufan ALTIN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Ertuğrul, M., 1996. Küçükbaş Hayvan Yetiştirme Uygulamaları. 2. Baskı, A.Ü.Z.F. Yayınları, No 1446, Ankara.
2	Gordon, I., 1997. Reproduction in Sheep and Goats. Controlled Reproduction in Farm Animals Series, Vol.2,CAB International, NY, USA.
3	Kaymakçı, M., 2006. İleri Koyun Yetiştiriciliği.Genişletilmiş 6. Baskı, Meta Basım. Bornova-İzmir. Kaymakçı, M., 2006. Keçi Yetiştiriciliği. Meta Basım. Bornova-İzmir.
4	Kaymakçı, M. 2006. Üreme Biyolojisi (4. Baskı). E.Ü.Z.F. No.503 Bornova, İzmir.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction - Rationale and Importance of the Course, Course Rules and Requirements, Main Characteristics of Sheep and Goat Rearing in Turkey and the World
2	Theoretical	Classification of sheep and goats, breeds
3	Theoretical	Reproduction in sheep and goats
	Practice	The introduction of sheep and goat breeds in Turkey
4	Theoretical	Breeding practices in sheep and goats (Mating, pregnancy, parturition, lamb and kid rearing)
	Practice	Observation of pregnancy and parturions
5	Theoretical	Shearing and Milking
	Practice	Lamb rearing practics
6	Theoretical	Environmental Improvement in Lamb/Kid Increasing Efficiency
	Practice	Milking practices
7	Theoretical	Basic Principles of Nutrition of Sheep and Goats
	Practice	Feeding of sheep and goat
8	Theoretical	Pasture, Grazing of Sheep and Goats
	Practice	The inroduction of pasture
9	Intermediate Exam	Midterm Exam
10	Theoretical	Sheep and goat pens, Health Protection
	Practice	Planning of sheep and goat pens
11	Theoretical	Records and Record keeping on sheep and goat farms, Genetic improvement of reproduvtive traits in sheep and goat
	Practice	Ear tagging
12	Theoretical	Genetic Improvement of meat and milk production in sheep and goats
	Practice	Yield records
13	Theoretical	Sheep and Goat Breeding Strategy for Turkey
	Practice	Age determination

14	Theoretical	Wool and Mohair
	Practice	Body condition scoring
15	Theoretical	Overall evaluation of course
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	10	0	2	20
Land Work	4	0	2	8
Midterm Examination	1	20	1	21
Final Examination	1	20	1	21
			Total Workload (Hours)	98
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to have the knowledge of basic concepts in sheep and goat farming
2	To be able to compare and evaluate the goat breeds according to output .
3	To be able to analyze sheep and goat breeds in terms of regional conditions.
4	To be able to use the criteria for reproductive performance of sheep and goats
5	To be able to recognize the basic concepts related to genetic improvement

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 Ataturk’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
P1	5	5	5	5	5
P8	5	5	5	5	5