



Jordan University of Science and Technology
Faculty of Agriculture
Animal Production Department

AP311 Sheep And Goats Production

First Semester 2022-2023

Course Catalog

3 Credit Hours. This course should include topics such as breeding that deals primarily with the fundamentals of Sheep and goats? genetic improvement, Lamb and kid's growth, Production requirements, Housing, Reproduction, Nutrition, Management, Behavior and Environment, wool and Mohair production and Health. The main aim of this course is to teach students the principals of farm management techniques and to familiarize them with the basic practices on sheep and goats farms (with emphasis on Jordan sheep and goats farms) and the scientific basis for adoption of various practices on sheep and goats farms.

Text Book

Title	Sheep and Goat Science
Author(s)	M.E.Ensminger
Edition	6th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Sheep production Handbook	Sheep industry development program inc. Denver, Colorado, USA	1st Edition	
Ref #3	sheep and Wool	M.P.Botkin, R.A.Field and C.L.Johnson	1st Edition	
Ref # 4	Handbook of livestock Management Techniques	Battaglia, R.A. and V.B. Mayrose	1st Edition	

Instructor

Name	Prof. Abdullah Mohammad Al-Yousef
------	-----------------------------------

Office Location	C4L3
Office Hours	Sun : 09:00 - 10:00 Sun : 11:30 - 12:30 Mon : 10:00 - 12:00 Tue : 13:30 - 15:30 Wed : 10:00 - 12:00 Thu : 09:00 - 10:00
Email	abdullah@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 12:30 - 13:30 Room: C5024

Prerequisites		
Line Number	Course Name	Prerequisite Type
612320	AP232 Feeds And Feeding	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	History and development of the sheep and goat industries	Chapter 1 From Ref #1
Week 2	World sheep and goats and sheep and goat meat	Chapter 2, 19 and 24 From Ref #1
Weeks 3, 4	Genetics and selection	Chapter 3 From Ref #1
Weeks 5, 6, 7	Reproduction in sheep and goats	Chapter 4 From Ref #1
Weeks 8, 9	Fundamentals of sheep and goat nutrition	Chapter 5 From Ref #1
Week 10	Pasture forages	Chapter 6 From Ref #1
Weeks 10, 11	Sheep and goat management	Chapter 15 and 16 From Ref #1
Week 12	Sheep and goat behavior and environment	Chapter 7 From Ref #1
Weeks 13, 14, 15	Sheep and goat health, disease prevention and Parasite control	Chapter 8 From Ref #1
Week 16	Wool and mohair	Chapter 9 From Ref #1

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method

To have some knowledge on sheep and goat meat and its role in the diet. To get some information on the history and development of sheep and goat industries and to characterizes sheep and goats and their products on the worldwide basis. [1SLO 1]	5%	
To get a basic knowledge of the sheep and goats? genetics and some fundamentals of heredity to be able to plan, monitor, evaluate and integrate breeding programs for genetic improvement through selection and mating programs. [1SLO 2, 1SLO 3]	15%	
To be familiar with all related topics in reproduction of sheep and goats as this a primary importance to sheep and goat production for improving lambs production. [1SLO 2, 1SLO 3]	15%	
To learn, define and describe the fundamentals of sheep and goat nutrition for batter feed efficiency and to have some knowledge on pasture forages. [1SLO 2, 1SLO 3]	20%	
To be familiar with all topics related to sheep and goat management [1SLO 2, 1SLO 3, 1SLO 4]	20%	
To get a basic knowledge on the behavior and environment of sheep and goats. [1SLO 2, 1SLO 3, 1SLO 4]	10%	
To have a basic knowledge on major diseases and parasites of sheep and goats [1SLO 2, 1SLO 3, 1SLO 4]	10%	
To learn and have some information on wool and mohair production. [1SLO 2, 1SLO 3]	5%	

Relationship to Program Student Outcomes (Out of 100%)			
SLO 1	SLO 2	SLO 3	SLO 4
5	40.83	40.83	13.33

Evaluation	
Assessment Tool	Weight
Mid exam	50%
Final Exam	50%

Date Printed: 2022-10-20