



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

AP206 Principles Of Animal Science

First Semester 2022-2023

Course Catalog

3 Credit Hours. The aims of this course are to introduce students to principles of farm animal's management including animal breeding, physiology, nutrition, reproduction, selection, and animal care and handling. To know basic terminology common in animal science.

Text Book

Title	Scientific Farm Animals
Author(s)	R. E. Taylor and T. G. Field
Edition	8th Edition
Short Name	Scientific Farm Animals
Other Information	

Instructor

Name	Prof. Kamel Mahmoud
Office Location	M1L3
Office Hours	
Email	kmahmoud@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Tue : 09:30 - 10:30
Room: قاعة ابن رشد

Prerequisites		
Line Number	Course Name	Prerequisite Type
961030	BT103 General Biology	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction to the course Terminology	handout From Scientific Farm Animals
Week 1	Animal Contributions to Human Needs Animal Contributions to Human Needs	handout From Scientific Farm Animals
Week 2	Red Meat Products	handout From Scientific Farm Animals
Week 2	Milk and Milk Products	handout From Scientific Farm Animals
Week 3	Reproduction	handout From Scientific Farm Animals
Weeks 4, 5	Nutrients and Their Functions	handout From Scientific Farm Animals
Week 6	Digestion and Absorption of Feed	Handout From Scientific Farm Animals
Week 7	Lactation	handout From Scientific Farm Animals
Week 8	Dairy Cattle Breeds and Breeding	Handout From Scientific Farm Animals
Weeks 9, 10	Beef Cattle Breeds and Breeding	Handout From Scientific Farm Animals
Weeks 10, 11, 12	Sheep and Breeds and Breeding	Handout From Scientific Farm Animals

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify the importance of livestock to our live [1SLO 1]	5%	
Identify the main feeds and their function in farm animals [1SLO 1, 1SLO 2]	10%	
know the main features of the reproductive physiology of farm animals [1SLO 2, 1SLO 3]	25%	
know the main features of dairy, beef, Sheep and goat cattle and also the main product of Broiler and laying hens management and production [1SLO 2, 1SLO 3]	25%	

know the main practices that used for animal care and handling [1SLO 3, 1SLO 4]	15%	
know the main features of breeding and selection purposes [1SLO 2, 1SLO 3, 1SLO 4]	10%	
understand the terminologies used in livestock science [1SLO 1, 1SLO 2, 1SLO 3, 1SLO 4]	10%	

Relationship to Program Student Outcomes (Out of 100%)			
SLO 1	SLO 2	SLO 3	SLO 4
12.5	35.83	38.33	13.33

Evaluation	
Assessment Tool	Weight
Midterm Exam	30%
Final Exam	50%
Quizzes	15%
Project	5%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams need approval from the department chair
Prohibited	Prohibited; and in case of cheating the student will be subject to punishment according to the university regulations
Attendance	Up to 20% in accordance with university policy
Participation	Participation is highly encouraged

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