



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

AP445 Conservation Of Animal Genetic Resources

First Semester 2022-2023

Course Catalog

3 Credit Hours. Importance of farm animals and how to conserve them, management of small populations, genetic variation. Intensive rearing system and its impact on the conservation of breeds. Genetic and morphological genetic characteristics of the breeds, methods of identification of genetic diversity among breeds, establishment of gene banks and ways of conserving genetic material. (Prerequisite: AP 349).

Text Book

Title	Utilization and Conservation of farm animal genetic resources
Author(s)	Kor Oldenboek
Edition	1st Edition
Short Name	Conservation of Farm Animals
Other Information	Wageningen Academic publisher, Netherland 2007

Instructor

Name	Prof. Khaleel Jawasreh
Office Location	-
Office Hours	Sun : 08:30 - 09:30 Mon : 09:30 - 11:30 Tue : 08:30 - 09:30 Wed : 09:30 - 11:30
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Class Schedule & Room

Section 1:

Lecture Time: Wed : 11:30 - 13:00

Room: G2121

Prerequisites

Line Number	Course Name	Prerequisite Type
613490	AP349 Animal Genetics	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	The importance of Animal Genetic resources (AnGR) especially Local breeds	From Conservation of Farm Animals
Weeks 3, 4	Distinguish the variation between farm animal species and their role in human life and the diversity between and within AnGR.	From Conservation of Farm Animals
Weeks 5, 6	The main cause(s) of extinction in farm animals	From Conservation of Farm Animals
Weeks 7, 8	The conservation procedures	From Conservation of Farm Animals
Weeks 9, 10	Managing small populations avoiding the extinction vortex	From Conservation of Farm Animals
Weeks 11, 12	Calculating the breeds that to be conserved	From Conservation of Farm Animals
Weeks 13, 14	Valuation of the local breeds	From Conservation of Farm Animals

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
The Importance of Local breeds is well understood [1SLO 2, 1SLO 3]	25%	
Variation causes and measures have been practiced [1SLO 1, 1SLO 2, 1SLO 3]	25%	
Conservation procedures are well known [1SLO 2, 1SLO 3, 1SLO 4]	25%	
The ability to conserve small populations and how to Value them is Known [1SLO 1, 1SLO 2, 1SLO 3, 1SLO 4]	25%	

Relationship to Program Student Outcomes (Out of 100%)			
SLO 1	SLO 2	SLO 3	SLO 4
14.58	35.42	35.42	14.58

Evaluation	
Assessment Tool	Weight
Final exam	40%
First exam	30%

Policy	
Exams	According to the University guidelines but there will be a practical projects or assignments that will take up to points from the first, second or final exam total marks

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