



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

AP716 Integrated Poultry Management Systems - JNQF Level: 9

First Semester 2024-2025

Course Catalog

3 Credit Hours. This course offers an in-depth examination of the principles and practices essential to modern poultry farming. Students will explore various aspects of farm management, focusing on ventilation, housing systems, feed additives, milling processes, and recent advancements in poultry nutrition. Emphasis is placed on creating optimal living conditions for poultry through efficient ventilation and housing designs, promoting bird health and productivity. Students will gain insight into the latest developments in nutritional management, focusing on sustainable and efficient practices that improve poultry growth, health, and product quality.

Teaching Method: Blended

Instructor

Name	Prof. Kamel Mahmoud
Office Location	M1L3
Office Hours	Sun : 10:30 - 11:30 Mon : 09:30 - 11:30 Tue : 10:30 - 11:30 Wed : 09:30 - 11:30
Email	kmahmoud@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Tue : 11:30 - 12:30
Room: U

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction and Poultry Industry Structure	
Weeks 2, 3, 4	Poultry Housing Ventilation Systems	
Weeks 4, 5, 6	Feed Milling Process	

Weeks 7, 8, 9	Design and Evaluate Lighting Systems	
Weeks 10, 11, 12, 13, 14, 15	Recent Advances in Selected Nutritional Management Topics	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Explore new advancement of ventilation and housing systems, optimizing conditions to promote poultry welfare, growth, and productivity [1SLO 3, 1SLO 4] [1L9K3, 1L9S1, 1L9S2, 1L9C4, 1L9S3, 1L9C6]	25%	
Gain knowledge to evaluate and operate feed milling systems to ensure efficient, safe, and nutrient-rich feed production [1SLO 3, 1SLO 4] [1L9K2, 1L9K3, 1L9S1, 1L9S2, 1L9C4, 1L9C5, 1L9S3]	25%	
Design and evaluate lighting system strategies tailored to the needs of poultry at various growth stages to enhance production, health, and behavior. [1SLO 3, 1SLO 4] [1L9K3, 1L9S1, 1L9S2, 1L9C4, 1L9S3, 1L9C6]	20%	
Implement nutritional management strategies by adapting recent advancement in poultry nutrition to improve feed efficiency, sustainable practices, and bird health. [1SLO 2, 1SLO 4] [1L9K2, 1L9K3, 1L9S2, 1L9C1, 1L9C2, 1L9C4, 1L9S3, 1L9C6]	30%	

Relationship to Program Student Outcomes (Out of 100%)			
SLO 1	SLO 2	SLO 3	SLO 4
	15	35	50

Relationship to NQF Outcomes (Out of 100%)									
L9K2	L9K3	L9S1	L9S2	L9C1	L9C2	L9C4	L9C5	L9S3	L9C6
7.32	14.82	11.07	14.82	3.75	3.75	14.82	3.57	14.82	11.25

Evaluation	
Assessment Tool	Weight
Midterm Exam	35%
Final Examination	50%
Project	15%

Policy	
Exams	All exams are closed book and notes. The final exam is comprehensive. Incomplete exams requires approval from department head.
Attendance	In accordance with university policy (no more than 20%).
Cheating	Cheating is treated seriously and there will be no leniency with student caught cheating or attempting to cheat. University's instruction will be implemented in full to any student found guilty.

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