

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

<b>Course Information</b>	
<b>Course Title</b>	<b>Management and Technology of Poultry Farms</b>
<b>Course Number</b>	AP 419
<b>Prerequisites</b>	AP 313
<b>Course Website</b>	
<b>Instructor</b>	Dr. Kamel Z. Mahmoud
<b>Office Location</b>	M1L3
<b>Office Phone</b>	720-1000 Ext. 22212
<b>Office Hours</b>	11:15 – 12:15 (Sunday and Tuesday); 01:00 – 02:00 (Monday)
<b>E-mail</b>	kmahmoud@just.edu.jo
<b>Teaching Assistant</b>	
<b>Course Description</b>	

<b>Text Book</b>	
<b>Title</b>	<i>None required; however selected chapters from different books will be distributed. Students are expected to read in advance of lecture in order to be prepared for discussion. Also, lecture notes material will be as valuable as the distributed chapters.</i>
<b>Author(s)</b>	
<b>Publisher</b>	
<b>Year</b>	
<b>Edition</b>	
<b>Book Website</b>	
<b>References</b>	<ul style="list-style-type: none"> <li>• Principles of Poultry Science</li> <li>• Reproduction in Poultry</li> <li>• Poultry Production in Hot Climates</li> </ul>

<b>Assessment Policy</b>		
<b>Assessment Type</b>	<b>Expected Due Date</b>	<b>Weight</b>
<b>First Exam</b>		25
<b>Second Exam</b>		25
<b>Final Exam</b>		40
<b>Assignments</b>		10

<b>Course Objectives</b>	<b>Weights</b>
Students will learn to apply the physiological knowledge of poultry science principles to modern management of nutrition and feeding programs, housing and equipment, ventilation, heat stress, lighting programs, hatching egg storage and incubation, sanitation, biosecurity and disease control.	

<b>Teaching &amp; Learning Methods</b>

<b>Learning Outcomes:</b> Upon successful completion of this course, students will be able to
1. Students become familiar with the physiological principles of feeding, ventilation, thermoregulation, heat stress, photoperiodism and lighting systems
2. Students will learn to propose solutions to solve managerial problems based on their scientific knowledge.
3. Upon successful completion of the course, students will be more prepared for managing poultry farms.

<b>Useful Resources</b>

<b>Course Content</b>		
<b>Week</b>	<b>Topics</b>	<b>Chapter in Text (handouts)</b>
1	Introduction	
2	Practical nutrition and feeding programs	
3	Feed additives	
4-5	Housing and Equipments	
6-7	Thermoregulation and Heat Stress Management	
8-9	Photoperiodism and lighting programs	
10-11	Management of female reproduction	
12	Hatching egg management	
13-14	Incubation and hatching management	
15	Poultry health, biosecurity and disease prevention	

<b>Additional Notes</b>	
<b>Assignments</b>	Out of class assistance is available by contacting me in my office. I encourage any student to contact me if he/she experiences difficulty with the material or if additional information is desired. I am usually available during regular office hours.
<b>Exams</b>	No makeup test will be given for unexcused absence.
<b>Cheating</b>	
<b>Attendance</b>	Attendance is required and highly encouraged
<b>Workload</b>	
<b>Graded Exams</b>	
<b>Participation</b>	
<b>Laboratory</b>	
<b>Projects</b>	