

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

<b>Course Information</b>	
<b>Course Title</b>	AN INTRODUCTION TO ANIMAL SCIENCE
<b>Course Number</b>	<i>AP 206</i>
<b>Prerequisites</b>	<i>BIO 102</i>
<b>Course Website</b>	
<b>Instructor</b>	
<b>Office Location</b>	
<b>Office Phone</b>	
<b>Office Hours</b>	
<b>E-mail</b>	
<b>Teaching Assistant</b>	
<b>Course Description</b>	
The role of farm animals in providing food and other products to the human being. Basic terminology common to animal science. Common breeds of farm animals, the basic scientific principles of breeding, feeding and management of farm animals.	

<b>Text Book</b>	
<b>Title</b>	Scientific Farm Animal Production.
<b>Author(s)</b>	Taylor
<b>Publisher</b>	Paramount Publishing International.
<b>Year</b>	2004
<b>Edition</b>	8 <sup>th</sup> Edition
<b>Book Website</b>	
<b>References</b>	

<b>Assessment Policy</b>		
<b>Assessment Type</b>	<b>Expected Due Date</b>	<b>Weight</b>
<b>First Exam</b>	July 10, 2007	30
<b>Second Exam</b>	July 31, 2007	30
<b>Final Exam</b>		40

<b>Course Objectives</b>	<b>Weights</b>
To familiarize students with common breeds of farm animals and their role in providing food and other products for humans.	

To learn basic terminology common in animal science.	
The student should become acquainted with the basic principles of livestock production through discussions of animal anatomy, genetics and breeding, physiology, lactation, growth and body composition, nutrition, and meat science.	

<b>Teaching &amp; Learning Methods</b>
In-class lectures

<b>Learning Outcomes:</b> Upon successful completion of this course, students will be able to
Come out familiar with the biological principles applicable to the animal science, reproduction, genetics, nutrition, lactation consumer products and others. Students will learn also basics of breeding, feeding and some management practices of dairy cattle, beef cattle, sheep, goats, horses and poultry. Students will be familiar with livestock terminology, the expected performance of animals raised using good management and husbandry practices, and characteristics of the primary breeds of farm livestock.

<b>Useful Resources</b>

<b>Course Content</b>		
<b>Week</b>	<b>Topics</b>	<b>Chapter in Text (handouts)</b>
1	Animal Contribution to Human Needs	1
1	Red meat Products	3
2	Poultry and Egg Products	4
3	Milk and Milk Products	5
4	By-products of Meat Animals	7
4	Visual Evaluation of Market Animals	9
5-6	Reproduction	10
7	Genetics	12
8	Genetic Change Through Selection	13
8	Mating Systems	14
9	Nutrients and their Functions	15
10	Digestion and Absorption of Feed	16
11	Lactation	19
12	Animal Behavior	22
13	Beef Cattle Breeds and Breeding	25

13	Dairy Cattle Breeds and Breeding	27
14	Sheep Breeds and Breeding	31
15	Poultry Breeding, Feeding and Management	35
16	Goat Breeding, Feeding and Management	36

<b>Additional Notes</b>	
<b>Assignments</b>	Quizzes may be given at the start of the class period or whenever needed. Quizzes will cover lecture material between quizzes.
<b>Exams</b>	No make-up exams unless absence was excused.
<b>Cheating</b>	
<b>Attendance</b>	Attendance in class is required. Students are expected to attend class regularly.
<b>Workload</b>	
<b>Graded Exams</b>	
<b>Participation</b>	Participation in class discussions is strongly encouraged.
<b>Laboratory</b>	
<b>Projects</b>	