

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

<b>Course Information</b>	
<b>Course Title</b>	ANIMAL PHYSIOLOGY
<b>Course Number</b>	AP 321
<b>Prerequisites</b>	AP 206
<b>Course Website</b>	
<b>Instructor</b>	Dr. Mustafa Beni-Domi
<b>Office Location</b>	M1 L3
<b>Office Phone</b>	7201000 Ext. 22221
<b>Office Hours</b>	8-9 am
<b>E-mail</b>	<a href="mailto:huseinmq@just.edu.jo">huseinmq@just.edu.jo</a>
<b>Teaching Assistant</b>	
<b>Course Description</b>	

<b>Text Book</b>	
<b>Title</b>	Anatomy and Physiology of Farm Animals
<b>Author(s)</b>	R. D. Frandson and T. L. Spurgeon
<b>Publisher</b>	
<b>Year</b>	1992
<b>Edition</b>	
<b>Book Website</b>	
<b>References</b>	1. Text book of veterinary physiology by Cunningham. Second edition 1997. 2. Anatomy and physiology by G. A. Thibodeau and K. T. Patton. 4 <sup>th</sup> edition, 1999.

<b>Assessment Policy</b>		
<b>Assessment Type</b>	<b>Expected Due Date</b>	<b>Weight</b>
<b>First Exam</b>		20
<b>Second Exam</b>		25
<b>Final Exam</b>		40
<b>Lab (Comprehensive Exam)</b>		15

<b>Course Objectives</b>	<b>Weights</b>
To introduce students to the study of the functions and vital processes of the body organs	

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

<b>Learning Outcomes:</b> Upon successful completion of this course, students will be able to
Learn the basic cellular structure and function, mechanisms regulating membrane transport and basic anatomy of the various body systems covered in the outline along with the basic physiology of these systems.

<b>Useful Resources</b>

<b>Course Content</b>		
<b>Week</b>	<b>Topics</b>	<b>Chapter in Text (handouts)</b>
1	Course introduction and terminology	
2	Cell biology and membrane transport	
3-4	Body fluid and electrolyte balance	
5-6	Renal physiology and regulation of body fluids	
7-8	Skeletal muscle physiology	
9-10	Nervous system	
11	Blood	
12	Heart and circulatory system	
13	Endocrine Physiology	
14	Respiratory system (if time permits)	
15-16	The digestive system (if time permits)	

<b>Additional Notes</b>	
<b>Assignments</b>	Quizzes may be given any time during this course which may cover lecture material between lectures.
<b>Exams</b>	
<b>Cheating</b>	Acts in violation including cheating are very serious and will not be tolerated. If you are caught cheating in an examination or quiz you will receive the grade of zero (0) for that examination or quiz. If more than one such incident occurs you receive the grade of zero for the course.
<b>Attendance</b>	Students <b>must attend class regularly</b> (attendance is mandatory)
<b>Workload</b>	
<b>Graded Exams</b>	
<b>Participation</b>	Students must participate in all practical (lab work) demonstrations and class discussions.
<b>Laboratory</b>	
<b>Projects</b>	