

**Jordan University of Science and Technology**  
**Faculty of Veterinary Medicine**  
**Department of Pathology and Animal Health**  
**2<sup>nd</sup> Semester 2019/2020**

<b>Course Information</b>	
<b>Course Title</b>	Clinical Animal Nutrition
<b>Course Number</b>	VM 571
<b>Prerequisites</b>	VM 570
<b>Course Website</b>	E-Learning
<b>Instructor</b>	Dr. Mofleh S. Awawdeh
<b>Office Location</b>	C1L3
<b>Office Phone</b>	22068
<b>Office Hours</b>	Sunday: <b>11:30-12:30</b> Tuesday: <b>11:30-12:30, 1:30-2:30</b> Wednesday: <b>10:30-11:30</b> Thursday: <b>11:30-12:30, 1:30-2:30</b> If I am in my office, all students are welcome.
<b>E-mail</b>	<a href="mailto:mawawdeh@just.edu.jo">mawawdeh@just.edu.jo</a> , <a href="mailto:dr.awawdeh@gmail.com">dr.awawdeh@gmail.com</a>
<b>Teaching Assistant</b>	None
<b>Course Description</b>	
Nutrition and diseases, malnutrition and infection, metabolic disturbances, and principles of veterinary nutrition in normal and sick animals are discussed.	

<b>Text Book-1</b>	
<b>Title</b>	Basic Animal Nutrition and Feeding
<b>Author(s)</b>	Pond, Church, Pond, and Schoknecht
<b>Publisher</b>	Wiley
<b>Year</b>	2005
<b>Edition</b>	5 <sup>th</sup>
<b>Book Website</b>	NA
<b>Text Book-2</b>	
<b>Title</b>	Nutrient Requirements of Dairy Cattle
<b>Author(s)</b>	National Research Council
<b>Publisher</b>	National Academy Press
<b>Year</b>	2001
<b>Edition</b>	7 <sup>th</sup>
<b>Book Website</b>	<a href="http://www.nap.edu/catalog.php?record_id=9825">http://www.nap.edu/catalog.php?record_id=9825</a>
<b>Text Book-3</b>	
<b>Title</b>	Nutrient Requirements of Beef Cattle
<b>Author(s)</b>	National Research Council
<b>Publisher</b>	National Academy Press

<b>Year</b>	2000
<b>Edition</b>	
<b>Book Website</b>	7 <sup>th</sup>
<b>References</b>	<a href="http://www.nap.edu/openbook.php?isbn=0309069343">http://www.nap.edu/openbook.php?isbn=0309069343</a>

<b>Additional References</b>	<ul style="list-style-type: none"> <li>• <a href="http://www.nap.edu">http://www.nap.edu</a></li> <li>• <a href="http://jas.fass.org/">http://jas.fass.org/</a></li> <li>• <a href="http://jds.fass.org/">http://jds.fass.org/</a></li> </ul>
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<b>Assessment Policy</b>		
<b>Assessment Type</b>	<b>Expected Due Date</b>	<b>Weight</b>
<b>Midterm Exam</b>		40%
<b>Final Exam</b>	Announced by registration office	60%

<b>Course Objectives</b>	<b>Weights</b>
1. Understand the mechanism of nutritional disorders related directly and/or indirectly to nutrition.	50%
2. Nutritional management of nutritional disorders.	30%
3. Nutrition and animal health	20%

<b>Teaching &amp; Learning Methods</b>
Lectures, homework, and assignments.

<b>Learning Outcomes:</b> Upon successful completion of this course, students will be able to		
Recognize different nutritional disorders.		
Understand the mechanism behind different nutritional disorders.		
Manage different nutritional disorders by nutritional management.		
Understand relationships between nutrition and animal health		

<b>Useful Resources</b>
Internet.

<b>Course Content</b>		
<b>Week</b>	<b>Topics</b>	<b>Handouts</b>
<b>1</b>	Introduction: Nutrition & Health	<b>1</b>
<b>2</b>	Milk Fever-Dairy	<b>2</b>
<b>3</b>	Ketosis & Fatty liver-Dairy	<b>3</b>
<b>4</b>	Displaced Abomasum-Dairy	<b>4</b>
<b>5</b>	Nutrition & Reproduction-Dairy	<b>5</b>
<b>6</b>	*Herd health approach to dairy cow nutrition	<b>6</b>
<b>7</b>	Acidosis, liver abscess, lameness-Beef	<b>7</b>
<b>8</b>	<b>Bloat-Beef</b>	<b>8</b>
<b>9</b>	Nutritional disorders of sheep	<b>9</b>
<b>10</b>	Nutritional disorders of horses	<b>10</b>
<b>11</b>	Nutritional disorders of cats & dogs	<b>11</b>
<b>12</b>	Feeding sick animals (horse, cats, and dogs)	<b>12</b>
<b>13</b>	Diet evaluation forms	<b>13</b>
<b>14</b>	Therapeutic Nutrition	<b>14</b>
<b>15</b>	Therapeutic Nutrition	<b>15</b>

<b>Additional Notes</b>	
<b>Assignments</b>	It is expected that all academic work completed in this class is done individually by you.
<b>Exams</b>	
<b>Cheating</b>	Plagiarism and cheating are serious offenses and may be punished by failure on the exam, paper, or project; failure in the course according to JUST rules.
<b>Attendance</b>	Highly recommended and required by JUST rules.
<b>Workload</b>	Depends on your attendance, participation, and taking complementary notes.
<b>Graded Exams</b>	Will be discussed with students.
<b>Participation</b>	Highly recommended.
<b>Laboratory</b>	
<b>Projects</b>	No specific project. But, there will be some assigned papers.