



**UD College of Agriculture and Natural Resources  
Department of Animal and Food Sciences**

**ANFS 251 Animal Nutrition**

<b>Instructor(s):</b>	<b>Professor: Lesa Griffiths lesa@udel.edu</b>
<b>Office Location:</b>	Townsend Hall Room 48
<b>Telephone:</b>	302-831-2524
<b>Office Hours:</b>	By appointment lesa@udel.edu
<b>Lecture Meetings:</b>	Tuesday and Thursday 9:30 – 10:45
<b>Discussion Sections:</b>	Wednesday afternoons WOR 114
<b>Prerequisites and/or co-requisites:</b>	ANFS 101 and ANFS 140

**Course Description:** A comparative study of digestive anatomy, the nutrients, their metabolism and physiological function in animals of agricultural importance. Factors affecting the nutrient requirement of animals. Emphasis on effects of the plane of nutrition on productivity, health and well-being of animals.

**Course Learning Goals**

- Students will demonstrate written communication skills important for communicating scientific and practical, applied information about animal nutrition
- Students will use critical thinking and reasoning, skeptical inquiry and scientific approach to solve animal nutrition problems and to critically analyze animal diets
- Students will demonstrate knowledge of the major core concepts in the animal nutrition

**Discussion Sessions: You may not come at a time other than the discussion time on your official schedule – the one you are registered in.** For the first half of the semester, the discussion sessions will focus on the feedstuffs (and the rules and regulations that govern them) that we use to formulate animal diets. You will have to read the assigned chapter(s) PRIOR to the discussion session. You will come to the classroom to look at, touch, and smell the feed samples or other materials associated

with the topic that week. There will be a sign-in sheet in the classroom. After spring break – the discussion sessions will take place on the farm.

**Required Textbook:** *Livestock Feeds and Feeding*. 6<sup>th</sup> Edition. Richard O. Kellums and D.C. Church

**Disruptive Conduct:** Disruptive conduct in the classroom or discussion session or lab will not be welcome and if you disrupt the class by talking, texting, YAKing, phoning, Facebook-ing, Tweeting, Skype-ing, snap-chatting, instagramming, emailing, or snoring – you will be asked to leave.

**Dress for safety:** After spring break, several of our discussion or lab sessions will be held on the farm. Please wear long pants and boots for the on-farm session or you will not be allowed to participate and you will not receive the attendance/participation points for that session.

### Course Assessments

Disc / Lab Attendance	50
4 exams at 50 points each (can count highest twice)	250
Lab Feeds Practical	<u>50</u>
Total	350

**Academic Honesty:** All students must be honest and forthright in their academic studies. To falsify the results of one's research, to steal the words or ideas of another, to cheat on an assignment, or to allow or assist another to commit these acts corrupts the educational process. Students are expected to do their own work and neither give nor receive unauthorized assistance. Any violation of this standard must be reported to the Office of Student Conduct. The faculty member, in consultation with a representative from the Office of Student Conduct, will decide under which option the incident is best filed and what specific academic penalty should be applied.

See <http://www.udel.edu/stuguide/12-13/code.html#honesty>

**ADA Statement :** Any student who thinks he/she may need an accommodation based on a disability should contact the Disability Support Service (DSS) office as soon as possible. The DSS office is located at 119 Alison Hall, 240 Academy Street, Phone: 302-831-4643, fax: 302-831-3261, website: [www.udel.edu/DSS](http://www.udel.edu/DSS). If you require accommodations, in addition to contacting the ADA office, you should introduce yourself to me and communicate the approved accommodations and how they may be implemented during the first week of class.

<b>Lecture Topics</b>	<b>Chapter</b>
<b>The GIT</b>	<b>2</b>
<b>Nutrients</b>	<b>3</b>
<b>Life Cycle Feeding</b>	
<b>Feeding Swine</b>	<b>13</b>
<b>Feeding Poultry</b>	<b>14</b>
<b>Feeding Dairy</b>	<b>15-16</b>
<b>Feeding Beef</b>	<b>17-18</b>
<b>Feeding Horses</b>	<b>19</b>
<b>Feeding Sheep</b>	<b>20</b>
<b>Feeding Goats</b>	<b>21</b>
<b>Feeding Dogs</b>	<b>22</b>
<b>Feeding Cats</b>	<b>22</b>
<b>Feeding Rabbits</b>	<b>23</b>

### **Faculty Statement on Disclosures of Instances of Sexual Misconduct**

If, at any time during this course, I happen to be made aware that a student may have been the victim of sexual misconduct (including sexual harassment, sexual violence, domestic/dating violence, or stalking), I am obligated by federal law to inform the university's Title IX Coordinator

The university needs to know information about such incidents to, not only offer resources, but to ensure a safe campus environment. The Title IX Coordinator will decide if the incident should be examined further. If such a situation is disclosed to me in class, in a paper assignment, or in office hours, I promise to protect your privacy.

I will not disclose the incident to anyone but the Title IX Coordinator. For more information on Sexual Misconduct policies, where to get help, and reporting information please refer to [www.udel.edu/sexualmis](http://www.udel.edu/sexualmis) conduct.

At UD, we provide 24 hour crisis assistance and victim advocacy and counseling. Contact 302-831-2226, Student Health Services, to get in touch with a sexual offense support advocate.