Animal Nutrition
ANS 333 – Department of Agriculture
Maymester 2018

Instructor: Dr. Erin G. Brown
Office: Room 106 – Agriculture Building
Telephone: 468-3705 (Department)
Email: browneg@sfasu.edu

Office Hours: MTWR 12:30 pm – 2:30 pm

Lecture: MTWRF 9:00 am - 12:15 pm
Room: 121 Agriculture Building


Course Description: Understand the nature, function and metabolism of nutrients in animal production.

Student Learning Outcomes:
1. The student will demonstrate competence of technical subject matter in animal and poultry sciences.
2. The student will demonstrate effective oral and written communication skills.
3. The student will exhibit leadership and other interpersonal skills needed for career placement and advancement.
4. The student will exhibit problem solving skills based on quantitative and analytical reasoning.
5. The student will demonstrate knowledge of farm and ranch skills.

Objectives:
1. To introduce the student to the field of animal nutrition
2. To acquaint students with the basic anatomical differences between the various species of animals.
3. To help the student understand the division of feedstuffs into nutrient classes.
4. To understanding the function, digestion and metabolism of the various nutrients.

Grading: Your grade will be based on your performance in lecture (exams = 300 points; minor quizzes = 50 points).

Attendance Policy: You are expected to attend lecture. There are no make ups for lecture minor quizzes. Exams may be made up on the day the student returns to class from an excused absence with a note and will be administered during class time. The excuse note must be presented on the day the student returns to class when the exam is administered, no exceptions. Any student wanting to replace a low exam grade may take the final and the percentage on the final will be used to calculate the replacement exam grade. Or the final may be used to replace a missed exam should the student not provide an excuse note to take the missed exam.

Lecture Exams: There will be 3 exams during the semester each worth 100 points. Exam 2 is split in two sections. Exams will not be returned to students. Exams may be made up on the day the student returns to class from an excused absence with a note and will be administered during class time. The excuse note must be presented on the day the student returns to class when the exam is
administered, no exceptions. The student must notify the instructor of the
excused absence prior to missing class if it is a university related absence. The
instructor must be notified of illness on the day of the exam and return with a
doctor’s excuse in order to take the exam upon returning to class. The instructor
must be notified of other excused absences the day the absence occurs and
return with proof of absence.

Lecture Minor Quizzes: Lecture minor quizzes will occur at random times during the semester.
These quizzes will be worth a total of 50 points. The quizzes could be for
attendance or an actual quiz. Absolutely no make ups for missed lecture
minor quizzes.

Final Exam: May 30 9:00 am – 11:30 am

<table>
<thead>
<tr>
<th>Score Card</th>
<th>Lecture Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1 (100 pts)</td>
<td></td>
</tr>
<tr>
<td>Exam 2a (50 pts)</td>
<td></td>
</tr>
<tr>
<td>Exam 2b (50 pts)</td>
<td></td>
</tr>
<tr>
<td>Exam 3 (100 pts)</td>
<td></td>
</tr>
<tr>
<td>Minor Quizzes (50pts)</td>
<td></td>
</tr>
<tr>
<td>Nutrition presentation (50 pts)</td>
<td></td>
</tr>
<tr>
<td>Lecture (400 pts total)</td>
<td></td>
</tr>
</tbody>
</table>

Final Grade (%) = (total lecture pts ÷ 400) * 100

Final Exam Schedule:
http://www.sfasu.edu/registrar/Registration(finalexamschedule.html

Add/Drop Policy:
http://www.sfasu.edu/upp/pap/academic_affairs/add_drop.html

Academic Integrity
Academic integrity is a responsibility of all university faculty and students. Faculty members
promote academic integrity in multiple ways including instruction on the components of academic
honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited
to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a
component of a class; (2) the falsification or invention of any information, including citations, on
an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or
plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your
own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when,
in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or
otherwise obtained from an Internet source or another source; and (3) incorporating the words or
ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp
Withheld Grades *Semester Grades Policy (A-54)*

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

**Students with Disabilities**

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to [http://www.sfasu.edu/disabilityservices/](http://www.sfasu.edu/disabilityservices/).

**Responsible Use of Technology:** *It is expected that all students will only use cell phones, PDAs, laptop computers, MP3 players and other technology outside of class time or when appropriate in class. Answering a cell phone, texting, listening to music or using a laptop computer for matters unrelated to the course may be grounds for dismissal from class or other penalties.*

**Classroom Behavior:** *Disruptive, distracting, or disrespectful behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic, or other penalties. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom.*
# Animal Nutrition Lecture Schedule

<table>
<thead>
<tr>
<th>Lecture Topic</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concepts in Nutrition</td>
<td>May 17</td>
</tr>
<tr>
<td>Methods of Analysis</td>
<td></td>
</tr>
<tr>
<td>Gastrointestinal Tract and Nutrition</td>
<td></td>
</tr>
<tr>
<td>Nutrients (Water and Carbohydrates)</td>
<td></td>
</tr>
<tr>
<td><strong>Exam 1</strong></td>
<td></td>
</tr>
<tr>
<td>Nutrients (Protein and Fat)</td>
<td></td>
</tr>
<tr>
<td>CHO digestion and metabolism</td>
<td></td>
</tr>
<tr>
<td><strong>Exam 2a</strong></td>
<td></td>
</tr>
<tr>
<td>Protein digestion and metabolism</td>
<td></td>
</tr>
<tr>
<td>Vitamins</td>
<td></td>
</tr>
<tr>
<td><strong>Exam 2b</strong></td>
<td></td>
</tr>
<tr>
<td>Fat digestion and metabolism</td>
<td></td>
</tr>
<tr>
<td>Measuring Digestibility</td>
<td></td>
</tr>
<tr>
<td>Feeding Standards</td>
<td></td>
</tr>
<tr>
<td>Minerals</td>
<td></td>
</tr>
<tr>
<td><strong>Exam 3</strong></td>
<td></td>
</tr>
</tbody>
</table>

May 17: Exam 1
- Nutrients (Protein and Fat)
- CHO digestion and metabolism

May 22: Exam 2a
- Protein digestion and metabolism
- Vitamins

May 24: Exam 2b
- Fat digestion and metabolism
- Measuring Digestibility
- Feeding Standards
- Minerals

May 29: Exam 3
Animal Nutrition ANS 333
Nutrition Topic Presentation

**Topic Due:** May 14  
**Slides Due:** May 15  
**Presentation date:** __________

**Purpose:** To understand a “real” nutrition topic that you have encountered in your life.

The topic of your presentation is wide open to any nutrition related topic/idea. Your presentation should present the claim or idea and then present scientific findings to prove/disprove the claim.

On a separate page, you must have literature cited. Use peer-reviewed publications (ex: Journal of Animal Science). **Do not use webpage citations.** You need at least 6 peer-reviewed references. **Your references should be recent within the last 5 years.**

**Length of presentation:** The presentation needs to present the topic and provide evidence for the claim of the topic. You will need to build a powerpoint presentation. The presentation will be 3-5 minutes in length.

**References:** Use the format from the Journal of Animal Science (JAS) (http://jas.fass.org/). References should be on a separate page in alphabetical order and titled literature cited. Look at an article from JAS to see the correct way to format. Examples for various types of sources are listed below:

**Journals**


**Books**


**Conferences**