Introduction to Animal Science – BIMS 3301  
Department of Biomedical Sciences  
Fall 2015

A. COURSE INFORMATION

Course number/section: BIMS 3301.001  
Class meeting time: Thursdays 7:00-9:25 p.m.  
Class location: OCNR 222  

B. INSTRUCTOR INFORMATION

Instructor: Dr. Anthony Siccardi  
Office location: OCNR 222  
Office hours: 6:30-7:00 p.m. and by appointment  
Telephone: 361-244-3727  
e-mail: Asiccardi@ag.tamu.edu  
Appointments: Appointments can be made after class, by email or phone

C. COURSE DESCRIPTION

Catalog Course Description  
Examines the dietary requirements of both companion animals and livestock. Includes the anatomy, physiology and biochemistry of the gastrointestinal system, nutrient procurement and use, feed additives, growth stimulants, metabolic diseases, and diet therapy.

Extended Course Description  
The purpose of this class is to introduce students to the scientific and economic world of animal science in regards to agribusiness/agriculture and veterinary medicine. This class will prepare those students wishing to enter into the field of veterinary medicine with a basic knowledge base for large and small animals in respect to nutrition, handling, behavior, breed development, disease prevalence and how all the above relate to animal production and management.

D. PREREQUISITES AND COREQUISITES

Prerequisites  
BIOL 1407; CHEM 3411

Corequisites  
CHEM 3412

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

None Required
Optional Textbook(s) or Other References

Supplies
None

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT
By the end of this course, students should be able to:
1. Recognize the value of the field of animal science as it pertains to the agribusiness/agriculture and veterinary medicine.
2. Achieve a basic knowledge of nutrition, handling, behavior, breed development and disease prevalence as they relate to large and small animals.

G. INSTRUCTIONAL METHODS AND ACTIVITIES
Class lectures will be delivered through PowerPoint presentations. Presentations will contain embedded videos and pictures (where appropriate) to enhance learning opportunities. Students are expected to participate in class discussions and critique classmates presentations.

H. MAJOR COURSE REQUIREMENTS AND GRADING
Your final grade is based on the accumulation of points according to the weights (%) listed in the table below. Exams will be noncumulative. Each student will choose a topic to be researched during the semester. Topics may include any aspect related to animal science but must be approved by the instructor. On November 19, 2015, students are required to submit their research paper. In addition, every student will give a ~6 min oral presentation summarizing their work. The written and oral report will count toward 25% of your final grade.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>25</td>
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<tr>
<td>Exam 2</td>
<td>25</td>
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<tr>
<td>Final Exam</td>
<td>25</td>
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<tr>
<td>Paper/Presentation</td>
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<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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Grading Scale: A = 100-90 points, B = 89-80 points, C = 79-70 points, D = 69-60, F < 60 points
I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
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<tbody>
<tr>
<td>Aug. 27</td>
<td>Syllabus, Introduction (Animal Agriculture and The Animal Industry)</td>
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<tr>
<td>Sep. 3</td>
<td>Nutrition</td>
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<td>Sep. 10</td>
<td>Digestive and Metabolic Systems, Nutrition of Ruminants &amp; Non-Ruminants</td>
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<td>Sep 17</td>
<td>Animal Health</td>
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<td>Sep. 24</td>
<td>Animal Behavior</td>
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<td>Oct. 1</td>
<td>Exam 1</td>
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<tr>
<td>Oct. 8</td>
<td>Cattle (Breeds, Genetics and Diseases)</td>
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<td>Oct. 15</td>
<td>Horses and Ponies (Hair Coat Colors, Diseases)</td>
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<td>Oct. 22</td>
<td>Companion Animals</td>
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<td>Oct. 29</td>
<td>Exam 2</td>
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<td>Nov. 5</td>
<td>Goats/Sheep</td>
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<td>Nov. 12</td>
<td>Avian &amp; Exotics</td>
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<td>Nov. 19</td>
<td>Class Presentations/Paper Due</td>
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<td>Nov. 26</td>
<td>Thanksgiving Holiday</td>
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<td>Dec. 3</td>
<td>Final Exam</td>
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Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

J. COURSE POLICIES

Attendance/Tardiness
Attendance is mandatory. Students are expected to attend all classes. Should you miss a lecture, it is your responsibility to find out what you missed, get notes, learn about changes in the syllabus, etc. Failure to attend more than two class lectures without the instructor’s prior consent will constitute a loss of 10 points from the student’s final grade. It is the student’s responsibility to check their own personal schedules to insure class attendance.

Late Work and Make-up Exams
There are no excused absences. A missed grade will result in a score of ‘0’ for that assignment. Students with a university approved scheduled absence (athletics, military duty, etc.) must contact the lecture instructor well in advance of a scheduled absence. Exams may be taken early in those specific cases. Students who do not arrange to take exams ahead of time will not be eligible for this special consideration. A written excuse from the university
department involved is required.

Extra Credit
None

Cell Phone Use
No cell phone use is permitted in class. Please silence your phones prior to the start of class.

Laptop Use
Laptop and tablets may be used to take notes and follow provided PowerPoint presentations.

Food in Class
No food and drinks are permitted in class.

Missed Exam
A missed grade will result in a score of ‘0’ for that assignment. Students with a university approved scheduled absence (athletics, military duty, etc.) must contact the lecture instructor well in advance of a scheduled absence. Exams may be taken early in those specific cases. Students who do not arrange to take exams ahead of time will not be eligible for this special consideration. A written excuse from the university department involved is required.

Participation
Class participation is expected during lectures and students presentations.

Others
None

K. COLLEGE AND UNIVERSITY POLICIES

- Academic Integrity (University)
  University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a failing grade.

- Classroom/Professional Behavior
  Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit
from the instructional program may be considered a breach of the peace and is subject to
disciplinary sanction outlined in article VII of the Student Code of Conduct. Students
engaging in unacceptable behavior may be instructed to leave the classroom. This
prohibition applies to all instructional forums, including classrooms, electronic
classrooms, labs, discussion groups, field trips, etc.

- **Statement of Civility**
  Texas A&M University-Corpus Christi has a diverse student population that represents
  the population of the state. Our goal is to provide you with a high quality educational
  experience that is free from repression. You are responsible for following the rules of the
  University, city, state and federal government. We expect that you will behave in a
  manner that is dignified, respectful and courteous to all people, regardless of sex,
  ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that
  infringe on the rights of another individual will not be tolerated.

- **Deadline for Dropping a Course with a Grade of W (University)**
The grade of W will be assigned to any student officially dropping a course. Please
consult with the instructor before you decide to drop to be sure it is the best thing to
do. Just stopping attendance and participation **WILL NOT** automatically result in
your being dropped from the class. Should dropping the course be the best course of
action, visit the Office of the University Registrar for the Course Drop Form that
must submitted. No student is eligible to receive a W without completing the official
drop process by this deadline. Please consult the Academic Calendar
(http://www.tamucc.edu/academics/calendar/) for the last day to drop a course.

- **Grade Appeals (College of Science and Engineering)**
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a
  student who believes that he or she has not been held to appropriate academic standards
  as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading,
  may appeal the final grade given in the course. The burden of proof is upon the student to
demonstrate the appropriateness of the appeal. A student with a complaint about a grade
  is encouraged to first discuss the matter with the instructor. For complete details,
  including the responsibilities of the parties involved in the process and the number of
days allowed for completing the steps in the process, see University Procedure
13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible
through the University Rules website at
http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science
and Engineering Grade Appeals webpage at
http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the
grade appeal process, students may contact the chair or director of the appropriate
department or school, the Office of the College of Science and Engineering Dean, or the
Office of the Provost.

- **Disability Services**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that
provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

http://disabilityservices.tamucc.edu/

- **Statement of Academic Continuity**
  In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

L. **OTHER INFORMATION**

- **Academic Advising**
  The College of Science & Engineering requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. Meetings are by appointment only; advisors do not take walk-ins. Please call or stop by the Advising Center to check availability and schedule an appointment. The College’s Academic Advising Center is located in Center for Instruction 350 or can be reached at (361) 825-3928.

**GENERAL DISCLAIMER**
I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.