Animal Nutrition – BIOL/BIMS 3300  
Department of Life Sciences  
Spring 2020

A. COURSE INFORMATION

Course number/section: BIOL/BIMS 3300.001  
Class meeting time: TR 02:00 pm-03:15 pm  
Class location: OCNR 259  
Course Website: (Island Online/Blackboard Portal) https://bb9.tamucc.edu/

B. INSTRUCTOR INFORMATION

Instructor: Oleksandr Kondrachuk, MD  
Office location: Tidal Hall (TH) 342  
Office hours: T 3:30 pm-5:30 pm, R 9:30 am-12:30 pm or by appointment  
Telephone: (361) 825-2841  
e-mail: oleksandr.kondrachuk@tamucc.edu  
Appointments: Preferred method is by e-mail

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  
This course examines the dietary requirements of both companion animals and livestock. It includes the anatomy, physiology and biochemistry of the gastrointestinal system, nutrient acquisition and use, feed additives, metabolic diseases and diet therapy. Activities that characterize animal nutrition include: a) molecular mechanisms of nutrient absorption, transport, storage and metabolism and the control of these processes; b) the relationship of diet, animal health and performance; c) means of improving the quality of animal feeds; d) assessment of nutrient status of animals.

D. PREREQUISITES AND COREQUISITES

Prerequisites  
BIOL 1407 and CHEM 3411

Corequisites  
CHEM 3412

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

None. Materials will be provided in class.
F. STUDENT LEARNING OUTCOMES AND ASSESSMENT

This course seeks to give students an understanding of comparative animal nutrition focusing on domestic animals, such as dogs, cats, horses, etc. To do well in the course, students must attend and participate in lectures, read the assigned material and mentally organize information from their instructor and their readings. By the end of this course, the student should be able to:

- Understand and correctly use scientific terminology.
- Recognize and identify structures in the animal digestive systems.
- Understand and explain how structures and their components interact to perform one or more functions.
- Understand the basic physiology of digestion as it relates to nutrition.
- Demonstrate knowledge of nutritional requirements for different domestic 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.

H. MAJOR COURSE REQUIREMENTS AND GRADING

Your final letter grade will be based on the percentage you earn out of a possible 1000 points. Lecture Examinations: In this course, I will give four regular lecture examinations. The four regular examinations are worth 200 points each and are sequential (i.e., each examination covers material from one specific section of the course); your lowest regular exam grade will be dropped.

The final (lecture) examination is worth 400 points and is comprehensive (i.e., covers material from the entire course).

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Regular Exams</td>
<td>60%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40%</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
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</table>
A letter grade will be determined based on the percentage earned of total points possible, as follows:

A: 900-1000 points  
B: 800-899 points  
C: 700-799 points  
D: 600-699 points  
F: 0-599 points

I will rectify any clerical, mathematical, and/or other errors once you notify me about such errors (I always double-check everything related to your grades, but errors may still happen). **However, your legitimate course grade cannot be changed just because you “need” it (for financial aid, to get into professional school, etc.).** Please be sure you earn enough points to get the grade you want. There will always be someone who just missed a D, or a C, or a B, or an A. I have to draw lines between grades, and no matter where I draw them, someone is on the wrong side. Don’t let that someone be you.

### I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 21</td>
<td>Introduction, Syllabus, Blackboard etc.</td>
</tr>
<tr>
<td>Jan. 23</td>
<td>Basics of Nutrition</td>
</tr>
<tr>
<td>Jan. 28</td>
<td>Digestive Systems</td>
</tr>
<tr>
<td>Jan. 30</td>
<td>Digestive Systems</td>
</tr>
<tr>
<td>Feb. 4</td>
<td>Digestive Systems</td>
</tr>
<tr>
<td>Feb. 6</td>
<td>Digestive Systems</td>
</tr>
<tr>
<td>Feb. 11</td>
<td>Lecture Examination I</td>
</tr>
<tr>
<td>Feb. 13</td>
<td>Nutrients and Their Metabolism</td>
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<tr>
<td>Feb. 18</td>
<td>Nutrients and Their Metabolism</td>
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<tr>
<td>Feb. 20</td>
<td>Nutrients and Their Metabolism</td>
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<tr>
<td>Feb. 25</td>
<td>Nutrients and Their Metabolism</td>
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<tr>
<td>Feb. 27</td>
<td>Nutrients and Their Metabolism</td>
</tr>
<tr>
<td>Mar. 3</td>
<td>Nutrients and Their Metabolism</td>
</tr>
<tr>
<td>Mar. 5</td>
<td>Nutrients and Their Metabolism</td>
</tr>
<tr>
<td>Mar. 10</td>
<td>Spring Break (No Class)</td>
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<tr>
<td>Mar. 12</td>
<td>Spring Break (No Class)</td>
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<tr>
<td>Mar. 17</td>
<td>Lecture Examination I</td>
</tr>
<tr>
<td>Mar. 19</td>
<td>Nutrition of Dogs</td>
</tr>
<tr>
<td>Mar. 24</td>
<td>Nutrition of Dogs</td>
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<tr>
<td>Date</td>
<td>Topic</td>
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<tr>
<td>Mar. 26</td>
<td>Nutrition of Dogs</td>
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<td>Mar. 31</td>
<td>Nutrition of Dogs</td>
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<tr>
<td>Apr. 2</td>
<td>Nutrition of Cats</td>
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<tr>
<td>Apr. 7</td>
<td>Nutrition of Cats</td>
</tr>
<tr>
<td>Apr. 9</td>
<td>Lecture Examination III</td>
</tr>
<tr>
<td>Apr. 14</td>
<td>Nutrition of Horses</td>
</tr>
<tr>
<td>Apr. 16</td>
<td>Nutrition of Horses</td>
</tr>
<tr>
<td>Apr. 21</td>
<td>Nutrition of Horses</td>
</tr>
<tr>
<td>Apr. 23</td>
<td>Nutrition of Ruminants</td>
</tr>
<tr>
<td>Apr. 28</td>
<td>Nutrition of Ruminants</td>
</tr>
<tr>
<td>Apr. 30</td>
<td>Nutrition of Rabbits</td>
</tr>
<tr>
<td>May 5</td>
<td>Lecture Examination IV</td>
</tr>
<tr>
<td>May 12</td>
<td>Final Exam (1:45 pm-4:15 pm)</td>
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</table>

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**
Students are expected to attend every scheduled class meeting and to be on-time. It is the responsibility of the student to obtain any material missed during an absence from his/her classmates.

**Late Work and Make-up Exams**
Late work is not accepted. Missed exams are excused only per TAMU-CC guidelines; such exams are given only under EXTREME circumstances. **No student is admitted to an exam after the first exam-taker has left.**

**Extra Credit**
Students should perform at their best effort throughout the semester. Individual extra credit will not be given to single students. Instructor may give unannounced pop quizzes to the class as extra credit. **NO makeups will be allowed.**

**Cell Phone Use**
Please turn off all cell phones before entering the classroom, or at least place them on silent mode.
Laptop Use
I have no problems with any student using a laptop in class, as long as they are not looking at pornography, anime, videos, etc.

Food in Class
I prefer that you not eat or drink in class, but I will not throw you out or ask you to leave.

Missed Exams
Missed exams are excused only per TAMU-CC guidelines; such exams are given only under EXTREME circumstances.

Participation
I expect that all members in the class will participate in the questioning, discussions, and interactions within the lecture. Formal assessment of class participation is not done as part of grade, but I do informally monitor it, and I will note it if you ask me for a letter of recommendation.

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)**
  I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. *Please consult with your academic advisor, the Financial Aid Office, and me, before you decide to drop this course.* Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Please consult the Academic Calendar ([http://www.tamucc.edu/academics/calendar/](http://www.tamucc.edu/academics/calendar/)) for the last day to drop a course. Friday, April 10, 2020 is the last day to drop a class with an automatic grade of “W” this term.

- **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](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](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 (please see ADA of 1990, plus amendments from 2008 [PL110-325]). 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/

If you need disability accommodations in this class, please contact the instructor as soon as possible. Disabilities Service Office will provide me an electronic letter stating that you are eligible for such accommodations. For either lecture or lab, if you have mobility problems, are pregnant, or you may have a history of seizures, please notify the instructor PRIVATELY so that assistance can be given in case of fire drills or emergencies.

- **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.

- **Interrupted Exams**
  If an exam is disrupted by situations such as weather, power outages, fire drills, or any event requiring evacuation in the middle of an exam, those persons who have finished their exam before the disruption will not be allowed to do a make-up exam. Those persons who did not finish their exam will have to take an exam the first day of class that faculty, staff and students are allowed to return to the building. Students taking their exam with Disability Services do not have this option unless their exam is interrupted in the building where they took their exam.

**Enrollment onto Opportunities List-Serve**

All students are on the Blackboard list serve for the course, and to a second opportunities-list serve. To subscribe, send a separate e-mail to: opportunities-list-request@listserve.tamucc.edu. Make sure that your e-mail appears in the “From” heading. In the subject heading, type “subscribe,” then send the e-mail. Next, you will receive a second message with a long set of letters and numbers in the subject line. You must also reply to that message in order to be subscribed to the list-serve. After the initial message to subscribe, to send items on the list-serve, just type opportunities-list@listserv.tamucc.edu (do NOT add – request after list). You may not receive the messages from the list-serve if your Internet service provider (Yahoo, Hotmail, Excite, Roadrunner, Grande, etc.) keep these messages from being placed in junk-mail. The University administration prefers that you use the islander.tamucc.edu accounts. At the end of the course, send an e-mail that contains your e-mail address in the “From” heading to opportunities-list@listserve.tamucc.edu. In the subject heading, type the word “unsubscribe,” then send the e-mail. I hope that
students will continue to subscribe to opportunities-list@listserv.tamucc.edu!

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.

- **Citation format**
  Please use Council of Science Editors (CSE) format—do not use APA format! A useful link on CSE format is available at this URL: [http://writing.wisc.edu/Handbook/DocCSE.html](http://writing.wisc.edu/Handbook/DocCSE.html)

- **Hints on doing well in course**
  First, read the syllabus. Second, re-read the syllabus. Third, read the syllabus again.

**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.