Animal Nutrition
ANS 308

Fall 2017
ONLINE

Instructor: Kristi Geckler

E-mail: kgeckler@leomail.tamuc.edu. Under normal circumstances, I will respond to e-mails within 24 hours.

Course Description: This course is designed to help students understand the functions of carbohydrates, proteins, vitamins, lipids, minerals and water. Emphasis on chemistry and physiology of digestion, absorption, and metabolism of nutrients and their metabolites in animals.

Required Materials: There is no required text for this course. All materials will be provided as it becomes available.

Student Learning Outcomes:

- Develop an understanding of nutrients and their utilization
- Understand structural differences in domestic farm animals
- Understand how nutrients rely on each other to function in the biological system

Course Outline:

- Introduction to nutrition
- Gastrointestinal tract and nutrient utilization
- Water
- Carbohydrates
- Lipids
- Proteins
- Minerals
- Vitamins
- Energy metabolism
- Nutrient requirements

Grading:

- **Exams**
  - Four exams will be posted throughout the semester. Exams can include multiple choice, true/false, fill in the blank, matching, or short answer. Exam four will be given during finals week and will be comprehensive.
  - **Tentative** exam schedule:
    - **Exam 1** – Week 4
    - **Exam 2** – Week 8
    - **Exam 3** – Week 12
    - **Exam 4** – Finals Week
- **Quizzes**
  - Quizzes will be administered weekly and can include multiple choice, true/false, or matching.
- **Discussions**
  - A topic or article or paper will be posted based on the subject(s) being covered during each week. You will be required to post an original response and reply to 2 of your classmate's posts.
- **Attendance**
  - Attendance will be graded based on discussion posts and responses. If you post an original response and reply to posts, you will get attendance points.

Grading Policy:

Exams (4)	100 pts	400 pts
Quizzes (15)	20 pts	300 pts
Discussions (15)	20 pts	300 pts
Attendance	50 pts	50 pts
	Total Possible Pts	**1,050 pts**

A: 90-100%   B: 80-89%   C: 70-79%   D: 60-69%   F: 59% and below

Course and University Procedures and Policies:

Course Specific Procedures:

Academic Honesty – Students who violate University rules regarding scholastic dishonesty are subject to disciplinary penalties, including (but not limited to) receiving a failing grade on the assignment, the possibility of failure in the course, and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty are strictly enforced. **IN ALL INSTANCES, ICIDENTS WILL BE REPORTED TO THE DEPARTMENT HEAD. PLEASE BE ADVISED THAT DISHONESTY INCLUDES (BUT IS NOT LIMITED TO) CHEATING, PLAGERISM, AND COLLUSION.**

If you have any questions regarding this policy, ask.

University Specific Procedures:

Students with Disabilities - 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 have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library   Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

Nondiscrimination Notice
Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to ((http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf) and/or consult your event organizer). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

TECHNOLOGY REQUIREMENTS

- To fully participate in online courses you will need to use a current Flash enabled internet browser. For PC and Mac users the suggested browser is Mozilla Firefox.
- You will need regular access to a computr with a broadband Internet connection. The minimum computer requirements are:
    - 512 MB of RAM, 1 GB or more preferred
    - Broadband connection required courses are heavily video intensive
    - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
    - Sound card, which is usually integrated into your desktop or laptop computer
    - Speakers or headphones.
    - *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: JAVA web site http://www.java.com/en/download/manual.jsp
- Current anti-virus software must be installed and kept up to date.
- Run a browser check through the Pearson LearningStudio Technical Requirements website. Browser Check

http://help.ecollege.com/LS_Tech_Req_WebHelp/en-us/#LS_Technical_Requirements.htm#Browset

- o Running the browser check will ensure your internet browser is supported.
    - Pop-ups are allowed.
    - JavaScript is enabled.
    - Cookies are enabled.
- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
    - o Adobe Reader https://get.adobe.com/reader/
    - o Adobe Flash Player *(version 17 or later)* https://get.adobe.com/flashplayer/
    - o Adobe Shockwave Player https://get.adobe.com/shockwave/
    - o Apple Quick Time http://www.apple.com/quicktime/download/
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.
- For additional information about system requirements, please see: System Requirements for LearningStudio https://secure.ecollege.com/tamuc/index.learn?action=technical

<u>ACCESS AND NAVIGATION</u>

Pearson LearningStudio (eCollege) Access and Log in Information

This course will be facilitated using Pearson LearningStudio, the learning management system used by Texas A&M University-Commerce. To get started with the course, go to myLeo and from the top menu ribbon select eCollege. Then on the upper left side of the screen click on the My Courses tab. http://www.tamuc.edu/myleo.aspx

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: It is strongly recommended you perform a "Browser Test" prior to the start of your course. To launch a browser test login to Pearson LearningStudio, click on the My Courses tab, and then select the Browser Test link under Support Services.