



Department of Agricultural Sciences
College of Science and Engineering Technology
SAM HOUSTON STATE UNIVERSITY

Animal Nutrition

ANSC 3373

Fall 2017 Syllabus

Part 1: Course Information

Instructor Information

Instructor: Stanley F. Kelley, Ph.D.

Department Advancement & Professor, Animal Science

Office Hours: Tuesday and Thursday 9.30 – Noon or by appointment by calling
Dr. Kelley's office number

Office: Pirkle Engineering Technology Center, Suite 450J

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Office Telephone: 936.294.1189

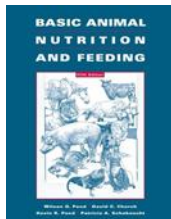
Course Description

Students will gain factual knowledge and an understanding of fundamental principles of animal nutrition through the physiology of digestion, anatomy, and function of the various digestive systems, while learning to apply course material to the utilization and metabolism of primary nutrients (water, carbohydrates, lipids, proteins, vitamins, and minerals).

Textbook & Course Materials

Course Packet (Required) Eagle Graphics, Animal Nutrition ANSC 3373

Text (Optional)



Pond, W.G., Church, D.C., Pond, K.R., & Schoknecht, P.A. (2004). *Basic Animal Nutrition and Feeding* (5th ed). New York, NY: Wiley. ISBN-13: 978-0471215394

Available at Amazon.com. The book is available new and used. Older editions are cheaper and would suffice for the course.

Course Structure

This course will be delivered utilizing both face-to-face delivery and online platforms through the course management system Blackboard™. You will use

your SHSU account to login to the course from the Blackboard login page (<http://shsu.blackboard.edu>).

In Blackboard, you will access available online lessons, supplemental materials, resources, and course updates. At designated times throughout the semester, we will participate in a blend of self-paced and instructor-paced activities using Blackboard and additional internet-based technologies. These will include electronic videos, supplemental readings, eQuizzes, and eExams.

Technical Requirements

You must have access to a personal computer or a computer in which you have administrative rights so that you may install necessary plugins as the need arises (Java, Applet, etc.). See the Technical Requirements website, <http://online.shsu.edu/campus/support-desk/index.html#system-requirements>, for full recommendations on system and browser requirements.

- Internet connection (DSL, LAN, or cable connection is desirable to provide uploads of 1 mbps and downloads of 2 mbps)
- Preferred web browser: **Chrome or Mozilla Firefox** 13+ or higher
- An active SHSU Student Username and Password
- Webcam and headset (headphone/microphone combo) – Using headphones will eliminate the echoing effect of the microphone.

Technical Assistance

The team at SHSU Online provides technical support for Blackboard through a variety of methods.

Website: Technical Support, <http://online.shsu.edu/campus/support-desk>

Phone: 936-294-2780 – or – toll free 1-877-759-2232

Email: blackboard@shsu.edu or you can chat with a technician while inside your Blackboard course.

Below are some helpful resources if you wish to explore on your own.

- New students should start with the [Online Student Orientation](http://online.shsu.edu/campus/current-students/services/orientation.html)
<http://online.shsu.edu/campus/current-students/services/orientation.html>
- Blackboard Learn™ provides a variety of video tutorials at [Student Videos](https://help.blackboard.com/en-us/Learn/Reference/Blackboard_Learn_Videos/Student_Videos)
https://help.blackboard.com/en-us/Learn/Reference/Blackboard_Learn_Videos/Student_Videos

Part 2: Course Objectives

The primary learning objective for this course will consist of how nutrients are digested, absorbed, and metabolized in the animal body. The student will be able to:

- Describe the anatomy and function of ruminant and non-ruminant digestive systems.
- Describe and understand the function of nutrients in the body.
- Identify and understand the chemical and/or molecular structure of nutrients.
- Understand digestion, absorption, and metabolism of nutrients.

Part 3: Unit Outline/Schedule

This course will consist of **five** major learning units. *Schedule is subject to change.*

Unit I: Orientation and History (1.5-week duration).

1. Orientation and Introductions
2. Importance of Nutrition
3. History of Nutrition
4. **Proctorfree Practice Quiz – Anticipate the week of August 28, 2017**
5. **Quiz I: Syllabus and History: Anticipate the week of September 4, 2017**

Unit II: Gastro-Intestinal (GI) Tract (4.5-week duration).

1. Digestion and Absorption
2. The GI Tract: Anatomy and Function
 - a. Non-ruminant
 - b. Ruminant
 - c. Poultry
3. **Quiz II: Anticipate the week of September 18, 2017**
4. **Exam I – Anticipate the week of October 2, 2017**

Unit III: Water and Proteins (4-week duration).

1. Water: It's role and requirements
2. Proteins
 - a. Functions
 - b. Classification System
 - c. Digestion
 - d. Amino Acids
 - e. Absorption
 - f. Metabolism
3. **Quiz III: Anticipate the week of October 9, 2017**
4. **Quiz IV: Anticipate the week of October 23, 2017**
5. **Exam II – Anticipate the week of October 30, 2017**

Unit IV: Carbohydrates (4-week duration).

1. Classification System
2. Functions
3. Digestion and Absorption
4. Energy Metabolism
5. Energy Metabolism under Stress

6. **Quiz V: Anticipate the week of November 6, 2017**
7. **Quiz VI: Anticipate the week of November 13, 2017**
8. **Exam III – Anticipate the week of November 20, 2017**

Unit V: Lipids (1.5-week duration).

1. Classification System
2. Functions
3. Digestion and Absorption
4. Metabolism
5. Deficiencies
6. **Quiz VII: Anticipate the week of November 27, 2017**
7. **Exam IV – Non-Comprehensive Final – Week of December 4, 2017**

Part 4: Grading Policy

Graded Course Activities

The course will consist of four, online, unit eExams and several, online, eQuizzes randomly scheduled throughout the semester. Grades will be determined upon the equal weighing of the four exams and the **average** of the eQuizzes. **ALL eExams and eQuizzes will be electronically delivered utilizing ProctorFree®.**

Percentage	Item Description
20%	eExam I
20%	eExam II
20%	eExam III
20%	eExam IV
20%	eQuiz Average (randomly scheduled throughout the semester)
100%	Total Grade

*Appropriate modifications can be made to grading scheme as deemed necessary by the instructor.

Late Work Policy

Be sure to pay close attention to deadlines, there will be no make-up assignments, eQuizzes, eExams, or other course materials accepted beyond the due date without instructor approval and advanced notification from the student. The instructor will **NOT** be responsible for sending multiple reminders of open and close dates/times for learning units, eQuizzes, or eExams. Critical dates will be posted on Bb under notifications/announcements. Computer technical difficulties with ProctorFree® or internet malfunctions will not be considered as excuses for missed assignments.

Letter Grade Assignment

Final grades assigned for this course will be based on the percentage of scores earned from eExams and eQuizzes and will be assigned as follows:

Letter Grade	Percentage	Performance Level
A	89.5-100%	Excellent Work
B	79.5-89.4%	Good Work
C	69.5-79.4%	Average Work
D	59.5-69.4%	Poor Work
F	0-59.4%	Failing Work

Online Proctored Examinations

Students enrolled in this course are expected to complete all examinations through a test proctoring service. Exam proctoring services at SHSU are provided by SHSU OnLine, free of charge to SHSU distance education students, via ProctorFree®.

Technical Requirements for Utilizing ProctorFree®

	PC Users	Mac Users
Operating System	Windows 7, 8 or 10 (prefer 8.1 for Windows 8)	OS X 10.8+ Snow Leopard, recommend OS X 10.9 Mavericks or higher.
Installation Space	2GB Hard Drive	2GB Hard Drive
JAVA	1GB RAM JVM 1.8u71 or higher	1GB RAM Open Java 1.8u71 or higher
*Java versions will prompt for updates if your Java version is out of date.		
Hardware	Microphone, Keyboard, Mouse, Web Camera	Microphone, Keyboard, Mouse, Web Camera
Web Browser*	Chrome (Recommended)	Chrome (Recommended)
Internet Speed**	Upload: 1 Mbps ↑ Download: 2 Mbps ↓	Upload: 1 Mbps ↑ Download: 2 Mbps ↓

Web Camera	We suggest students use the embedded web camera in their laptop or any standard web cam purchased and manufactured within the last 5 years. From our experience, any web camera that has drivers that meet or exceed Windows 7 standards will work just fine. Any web camera that ONLY has drivers for Windows Vista or below will not work.	We suggest students use the embedded web camera in their laptop or any standard web cam purchased and manufactured within the last 5 years. From our experience, any web camera that has drivers that meet or exceed Windows 7 standards will work just fine. Any web camera that ONLY has drivers for Windows Vista or below will not work.
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***Note:** Firefox will enforce a requirement for the most up to date version of Java.

****An active broadband Internet connection is assumed since the examinations are done online.**

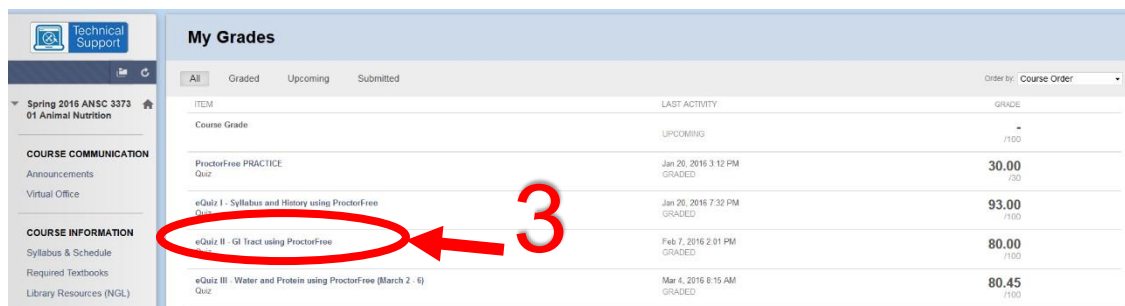
SHSU Online ProctorFree in-depth explanation link is as follows, you must be logged into SHSU

Blackboard for this link to work.

https://shsu.blackboard.com/webapps/portal/execute/tabs/tabAction?tabId= 95126 1&tab_group_id= 588 1

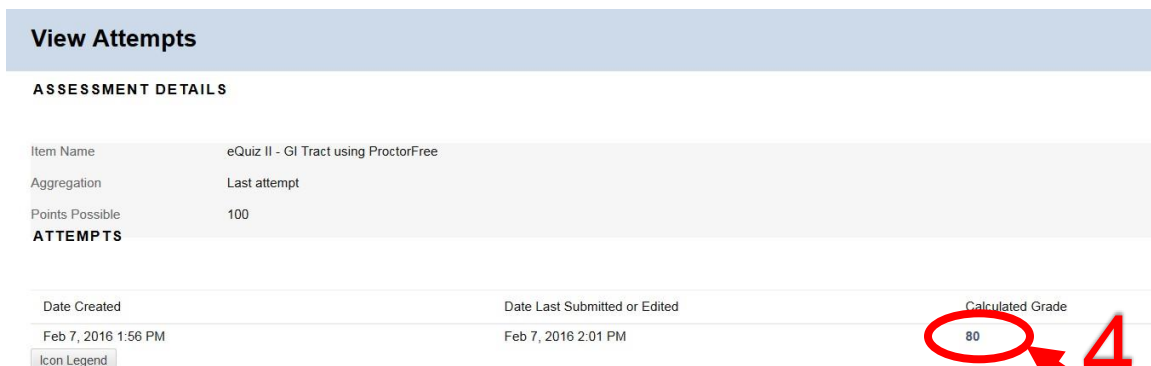
How To Review Your Assessment Responses

- 1- Log into Blackboard and open up the course
- 2- Scroll down to the “Grades”, found under the “QUICK LINKS” area of the left hand navigation pane.
- 3- Select the assessment you want to review. For example, eQuiz II – GI Tract



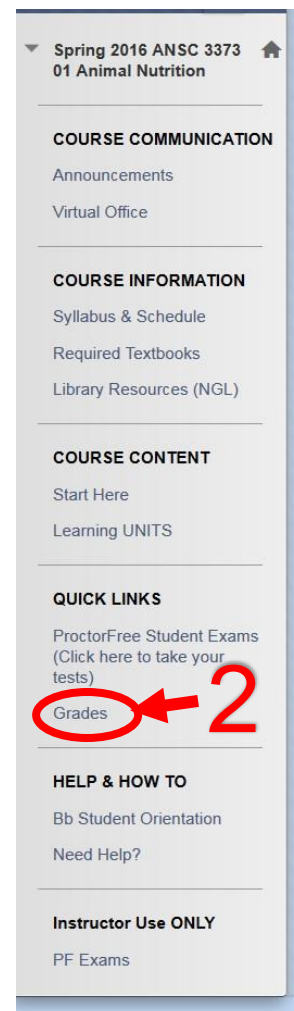
My Grades		
ITEM	LAST ACTIVITY	GRADE
Course Grade	UPCOMING	- /100
ProctorFree PRACTICE Quiz	Jan 26, 2016 3:12 PM GRADED	30.00 /100
eQuiz I - Syllabus and History using ProctorFree Quiz	Jan 26, 2016 7:32 PM GRADED	93.00 /100
eQuiz II - GI Tract using ProctorFree	Feb 7, 2016 2:01 PM GRADED	80.00 /100
eQuiz III - Water and Protein using ProctorFree (March 2 - 6) Quiz	Mar 4, 2016 8:15 AM GRADED	80.45 /100

- 4- Select the “Calculated Grade”



View Attempts	
ASSESSMENT DETAILS	
Item Name	eQuiz II - GI Tract using ProctorFree
Aggregation	Last attempt
Points Possible	100
ATTEMPTS	
Date Created	Date Last Submitted or Edited
Feb 7, 2016 1:56 PM	Feb 7, 2016 2:01 PM
Icon Legend	Calculated Grade
	80

- 5- When you do that you will be able to see your responses, so that you can study to do better on future exams.



▼ Spring 2016 ANSC 3373 01 Animal Nutrition
COURSE COMMUNICATION
Announcements
Virtual Office
COURSE INFORMATION
Syllabus & Schedule
Required Textbooks
Library Resources (NGL)
COURSE CONTENT
Start Here
Learning UNITS
QUICK LINKS
ProctorFree Student Exams (Click here to take your tests)
Grades
HELP & HOW TO
Bb Student Orientation
Need Help?
Instructor Use ONLY
PF Exams

- 6- **Warning!** Dr. Kelley has this set so that you can only view the questions you missed, and you can view them only **ONCE**, and **after the examination has closed**. So make sure you view them in their entirety before you exit out of program.

Review Test Submission: eQuiz II - GI Tract using ProctorFree

User	[REDACTED]
Course	Spring 2016 ANSC 3373 01 Animal Nutrition
Test	eQuiz II - GI Tract using ProctorFree
Started	2/7/16 1:56 PM
Submitted	2/7/16 2:01 PM
Status	Completed
Attempt Score	80 out of 100 points
Time Elapsed	4 minutes out of 25 minutes
Instructions	1. This is a timed eQuiz so use your time efficiently. 2. Some questions will have multiple answers, you will receive partial credit if not all correct answers are selected.

Results Displayed: Incorrectly Answered Questions

Question 1



Tissue of the monogastric stomach that contains blood vessels and glands.

0 out of 5 points

Question 2



All regions of the monogastric stomach are glandular and secrete.

5 out of 5 points

Question 3



Region of the monogastric stomach that does NOT secrete mucus.

5 out of 5 points

5

Part 5: Course Policies

Attendance

Regular and punctual class attendance is expected of each student enrolled in this course. This course will consist of both synchronous (scheduled) and asynchronous activities. Synchronous activities are outlined in the course schedule. Timely participation into scheduled activities such as proctored examinations will be expected. **ALL correspondence to the student will be via the student's SHSU email account and Blackboard (Bb). Please make it a habit to visit the course home page and your SHSU email regularly throughout the week to check for announcements and notifications.** **ALL correspondence to the student will be via the student's SHSU email account and Blackboard (Bb).**

Participation

Students are expected to participate in all activities as listed on the course syllabus or assigned during the semester.

Code of Conduct

As a member of a community dedicated to learning, inquiry, and creation, the students, faculty, and administration of Sam Houston State University live by principles that require all members to be conscientious, respectful, and honest. Students should also understand that honest conduct reaches far beyond just academic honesty.

You will find that your overall success courses can come from building a strong rapport with your classmates and instructor.

Completing Assignments

All assignments for this course will be submitted electronically through Blackboard unless otherwise instructed. All quizzes and tests must be completed by the assignment due date and time. **No make-up or re-take opportunities will be granted.** Any special circumstances must be arranged with the instructor prior to the due date.

Understand When You May Drop This Course

It is the student's responsibility to understand when he/she may need to consider unrolling from a course. Refer to the SHSU Academic Calendar for dates and deadlines concerning registration.

Required Policies at SHSU

The following are mandatory policies and procedures practiced by Sam Houston State University and can also be found at <http://www.shsu.edu/syllabus/>.

Academic Dishonesty

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Treat the online assessment as you would a face to face exam. You may only use resources that your instructor specifically says are allowable. If there are none listed, then that means you must study and only use your own knowledge gained. Specifically, this means no use of text material, web search, cell phone, assistance from a friend, etc. **If, upon review of the video and audio, and a student is suspected of engaging in an academic dishonest activity they will be given a zero (0) on the eQuiz/eExam/assignment of the associated activity and subject to dismissal and/or F in the course and subject to disciplinary actions from Dr. Kelley and the University.**

Accusations of academic dishonesty, proceedings, and subsequent disciplinary actions are addressed in The Texas State University System, Board of Regents policy on [Academic Honesty, Chapter VI, Subsection 5.3, "Academic Honesty"](#) and in the University's [Academic Policy Statement 810213](#).

Student Absences on Religious Holy Days Policy

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required

activities, including examination, for the observance of a religious holy day, including travel for the purpose. Section 51.911(a)(2) defines a religious holy day as: “a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20...” A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University Policy 861001 provide the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe a religious holy day shall present to each instructor involved a written statement concerning the religious holy day. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. This policy is fully addressed in [Academic Policy Statement 861001](#).

Students with Disabilities Policy

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance are expected to visit with the [Services for Students with Disabilities](#) office located in the Lee Drain North Annex and can be contacted by phone at 936-294-3512 (Voice), 936-294-3786 (TDD), or via email at disability@shsu.edu. They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Counseling Center. This policy is fully addressed in [Academic Policy Statement 811006](#).