

Approval Chart for Curriculum Changes

A = Approve I = Information Item¹ R = Advise & Respond²

Course Number ANSC 336 or Degree Plan(s) _____

State the requested change and reason. A memo may be attached if more space is necessary.

See attached memo for changes to course description and student learning outcomes.

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

		COUNCIL ³								
	Change to a Course	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A	I				I	I
2.	Description (not affecting content)	A	A	A	I				I	I
3.	Course term(s)	A	I	A	I				I	I
4.	Content (substantive change)	A	A	A	I				A	I
5.	Number of hours (lecture, lab, contact)	A	A	A	A				A	I
6.	Course number within the hundred	A	A	I	I				I	I
7.	Course number beyond the hundred	A	A	A	A				A	I
8.	Prerequisites	A	A	A	I				I	I
9.	Course fee(s)	A	--	A	--				A	I
10.	From U to G or G to U	A	A	A	A				A	I
11.	Cross list with another department: U or G level	A	A	A	A				A	I
12.	Department of record	A	A	A	A				A	I
13.	Open or close a course	A	A	A	A				A	I
14.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A	A				A	I

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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		COUNCIL ³										
	Change to a Degree Plan	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	Faculty	President	Board of Trustees
1.	University Requirements — Change in approved course content ⁶	A	A	A	A				A	--	A	--
2.	University Requirements — Add or drop a required course from the University Requirements chart ⁶	A	A	A	A				A	A	A	--
3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	--	--	A				A	--	A	--
4.	University Requirements — Change hours within a menu on the University Requirements chart ⁶	A	A	A	A				A	A	A	--
5.	Major — Revision of major ^{4,5}	A	A	A	A				A	--	A	--
6.	Major — Adopt or change admission requirements	A	A	A	A				A	--	A	--
7.	Major — Add ^{4,5}	A	A	A	A				A	A	A	I
8.	Major – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I
9.	Major – Discontinue (proposed by the Provost)	See below.										
10.	GPA — Revise major or cumulative requirement	A	A	A	A				A	A	A	--
11.	Minor — Revise course selection	A	A	A	I				I	--	I	--
12.	Minor — Add	A	A	A	A				A	--	A	--
13.	Minor – Discontinue (proposed by the department or college)	A	A	A	A				A	--	A	--
14.	Minor – Discontinue (proposed by the Provost)	See below.										
15.	Degree — Add	A	A	A	A				A	A	A	I
16.	Degree – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I
17.	Degree – Discontinue (proposed by the Provost)	See below.										
18.	Any change to a graduate degree program	A	A	A	A				A	--	A	--

COUNCIL ³										
	Provost-Proposed Change	Provost	Department	Dean	TEC	UAC	Graduate	Faculty	President	Board of Trustees
1.	Major/Graduate Program – Discontinue (proposed by the Provost)	A	R	R	A			A	A	I
2.	Minor – Discontinue (proposed by the Provost)	A	R	R	A			--	A	--
3.	Degree – Discontinue (proposed by the Provost)	A	R	R	A			A	A	I

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COUNCIL ³										
	Change to the Catalog Information	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President
1.	General requirements for graduation including course requirements that are common to all majors for all degrees ⁷	--	--	--	A			A	A	A
2.	Admission requirements	--	--	--	A			A	A	A
3.	Policies governing academic probation and suspension	--	--	--	A			A	A	A
4.	Requirements for graduating with honors	--	--	--	A			A	A	A

¹ Councils may request additional information about “Information” items. These items are approved as “Consent Agenda.”

² The Dean and Department should respond to the Provost’s recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

³ All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

⁴ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

⁶ Courses that satisfy ACU’s University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and “not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession” (SACS 2.7.3). Departments may request exceptions to the first three criteria.

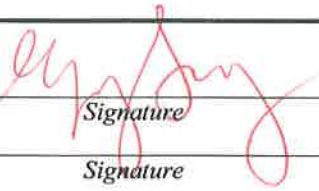
⁷ The UUAC approved the clarification that “general requirements for graduation” means the enumerated items in the “General Requirements for Bachelor’s Degrees” section of the catalog.

Revised 8-26-19

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	09/10/2019 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	11-15-19 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	12/5/19 Approval date
_____ Signature	_____ Approval date

Teacher Education Council	
_____ Chair's signature	_____ Approval date

General Education Council	
_____ Chair's signature	_____ Approval date

Undergraduate Academic Council	
_____ Chair's signature	_____ Approval date

Graduate Council	
_____ Chair's signature	_____ Approval date

Provost	
_____ Signature	_____ Approval date

Faculty	
_____ Chair of faculty senate	_____ Approval date

President	
_____ Signature	_____ Approval date

ANSC: 336

Animal Nutrition

Old	New
Course Description	
General plant and animal composition. Properties, functions, deficiency symptoms, digestion, absorption and metabolism of water, carbohydrates, proteins, fats, vitamins, and minerals.	Discussion of primary nutrients in livestock nutrition, including structure, properties, functions, deficiency and toxicity symptoms, metabolism and absorption. Differences between the digestive systems of various livestock species will also be discussed.

Old Student Learning Outcomes
Describe the process of digestion, absorption, assimilation, and metabolism of nutrients in animals with diverse gastrointestinal or physiological systems.
Describe the requirements, structure, and biochemical function of the major nutrients.
Become familiar with energy and protein systems used in feeding animals.
Critically evaluate the role of animal products in the human diet.

New Student Learning Outcomes	
Student Learning Outcomes	Measurement Instrument
Identify the various components of the gastrointestinal tract and explain their physiological role in digestion	Quiz and exams
Describe nutrient sources, digestion, absorption, and utilization by livestock.	Quiz and exams
Identify classifications of each of the class of nutrients	Quiz and exams
Explain deficiency and toxicity symptoms of vitamins and minerals	Quiz and exams

ANSC 336

Animal Nutrition

Course Description

Discussion of primary nutrients in livestock nutrition, includes structure, properties, functions, deficiency and toxicity symptoms, metabolism and absorption. Differences between the digestive systems of various livestock species will also be discussed.

Course number and title: ANSC 336 – Animal Nutrition

Credit hours: 3 hours

Semester and year: Spring 2020

Meeting time and place:

Lecture: Tues and Thurs 8:00 – 9:20. Onstead Science Center (OSC) RM 233;

Prerequisites: None

About the Teacher

Dr. Adam McGee, Assistant Professor of Animal Science.

Office: OSC 145b

Office Phone: (325) 674-2167

Email address: alm18f@acu.edu

Office hours/Contact expectations:

Office hours: Mon 8:00 – 9:00 am, Tue 9:30 – 11:00 am, Wed 8:00 – 9:00 am and 1:00 – 5:00 pm CST or by appointment. I have an open door policy, if I am in my office feel free to stop and talk. Email is the best way to contact me as I will not be in my office all the time. If you have questions about grades please schedule a time to allow me time to prepare.

Mission Statements

ACU Mission: The mission of Abilene Christian University is to educate students for Christian service and leadership throughout the world.

College of Arts and Sciences Mission: To educate students for worldwide Christian service and leadership through programs of study and other learning experiences that blend a liberal arts education with professional and career education.

Agriculture and Environmental Sciences Mission Statement: To educate students for Christian stewardship of sustainable agricultural and environmental systems throughout the world.

Unique Christian Perspective: We have been given the unique responsibility of providing for all animals (Genesis 1:26-30). I take this responsibility very seriously and throughout the semester as we discuss the management practices within each species we will also discuss how this impacts the wellbeing of the animal and its impact on our responsibility to care for the animals.

Format of Class

Format of Class: This class will be primarily a lecture type class. We will cover the gastrointestinal tracts of both monogastrics and ruminants, the various classes of nutrients and finally wrap up the semester with a discussion of applied animal feeding methods.

Instructional Materials

Textbook: Pond, W. G., D. C. Church, K. R. Pond, and P. A. Schoknecht. Basic Animal Nutrition and Feeding. 5th ed. 2005. John Wiley and Sons, Hoboken, NJ

Other materials: Additional materials will be provided to the class through Canvas.

Learning Outcomes

Course goal: Students will have a basic understanding of the common nutrients in livestock feed, how they are metabolized in the animal, their function, and common feeding methods used in modern livestock production.

Competencies: At the conclusion of the semester students will be able to:

	Competency	Measurement Instrument
1	Identify the various components of the gastrointestinal tract and identify their physiological role in digestion	Quizzes and exams
2	Describe nutrient sources, digestion, absorption, and utilization by livestock.	Quizzes, Exams, and Assignments
3	Identify classifications of each of the classes of nutrients	Quizzes
4	Explain the deficiency and toxicity symptoms of vitamins and minerals	Quizzes and exams

Expectations

This semester we will have the opportunity to study and learn together. In order to ensure that everybody understands what is expected of them for this course I have included what I expect from you in my class as well as what you can expect from me.

Expectations of Students:

- **Be on time to class/lab and prepared to learn.** Being on time allows everybody to focus and avoids disruptions in learning.
- **Be respectful to both myself and your fellow classmates.** We are all human and will make mistakes as well as have varying levels of previous experiences that shape our understanding and knowledge of the subject. Please allow everybody in the class the opportunity to make mistakes as well as be understanding with those who may not have the same experiences that you have.
- **Spend the time to complete your assignments and study for this class.** The assignments in this class are designed to help improve your understanding of the content and will help with your grades in this class
- **Dress appropriately for class and lab.** For safety reasons during lab, please wear close toed shoes and jeans.
- **Remove hats when in the classroom.** When we are indoors in the classroom please remove hats as a form of respect and helps me to better determine engagement in class.

Expectations of the Instructor:

- **I will respond to emails within a timely manner.** I will reply to emails during the week within 24 hours. To maintain a balance between work and home, I will not regularly reply to emails in the evening or on the weekend.
- **I will respect you and your desire to learn.** If there is something that you don't understand please ask so I can reword or spend additional time on a subject to ensure that all content is clearly understood. You are taking this course to learn and it is my responsibility to afford you every opportunity to be successful.
- **I will be prepared and on time to class.** It is disrespectful to you if I am not prepared and on time for class, as such I will make every effort to be on time and prepared for class just as I expect you to be.
- **I will return assignments within 2 weeks of the due date.** It is important for you to have assignments returned to you in a timely manner so that you can learn what areas you need to spend more time studying and what areas you have a good understanding of.

Assessment and Grading

Final grade calculation: Grades will be assigned based on the standard grading format below.

Range of Points	Final Letter Grade	Points Needed
90%-100%	A	742 – 825
80%- 89%	B	660 – 741
70%-79%	C	577 – 659
60%-69%	D	495 – 576
Below 59%	F	0 – 494

Rules for discussing grades: If you have a question about grades on an assignment or your grade in the class please set up an appointment to discuss your grade. Setting an appointment allows me to be better prepared to discuss your grades and make the meeting more beneficial for both of us. Rather than waiting until the end of the semester, if you have questions about your grades please come and visit with me early in the semester while there is still time to improve before the end of the semester.

Assessment Activities	Points Possible
Attendance and Participation	55
Assignments	80
Quizzes	240
Semester Exams	300
Final	150
Total	825

Attendance and Participation: I feel that attendance and participation in class is important. Attendance will be taken at the beginning of each class period. I understand that things happen and you have to miss class, therefore you can miss up to 3 classes before points are deducted, 5 pts for each subsequent absence. Students who have documented excused absences for University events will be responsible for finding a time outside of class prior to the absence to discuss work that will be missed and how to make up missed assignments. Absences due to health or family emergencies will be evaluated on an individual basis.

Students showing up after the class has already started disrupt class for both myself and their fellow students. A student will be considered tardy if they are not in their seat and ready to begin class at the start of class. For every 3 tardie's 5 points will be deducted from the attendance and participation points.

Students are expected to be active participants in class. This includes taking notes, answering questions, and being involved in activities in both lecture. Failure to participate in class will result in a loss of participation points assigned. Activities during lecture are designed to help you develop a better understanding of the content discussed, your involvement in this is vital to your success in this class.

Assignments: There will be a total of 4 assignments throughout the semester. These will be related to the current topic and will be assigned randomly throughout the semester. Assignments will vary depending upon the topic from a brief report discussing a current event article to ration balancing exercises. Each of the assignments will be worth 20 points.

Quizzes: At the conclusion of each section an open book/open note quiz will be posted on canvas. These are to provide you the opportunity to reevaluate the material and to help you study the material. There will be a total of 10 quizzes with the lowest two quiz scores being dropped. Each quiz is worth 30 points.

Semester Exams: There will be a total of 3 semester exams each worth 100 points each. Exams will be paper tests taken during class time.

Final Exam: The final exam will be comprehensive with at least 33% of the exam covering the section of material from the third semester exam to the end of the semester. The final will be held during finals week and will be worth 150 points.

Course Policies

In my classroom **rude and inappropriate behavior will not be tolerated**. This class is a learning environment and as such, should be a place where students feel comfortable asking questions without being ridiculed. Students who continue to exhibit rude or inappropriate behavior after being asked to stop by the instructor or TA will be asked to leave and must schedule a time to visit with the instructor to obtain notes or missed assignments prior to returning to class. Additional information can be found in the [ACU student handbook](#).

Late assignment/exam: College is a time to develop habits and skills that you will use throughout your life. Completing tasks by the deadline is an important skill that will be needed throughout your professional career. Therefore, for late assignments turned in after the due date, 10% will be deducted for every 24 hrs after the due date that it is late.

Technology use : While technology can be a very useful tool for many tasks, it can also be very distracting both to you and to those students around you. Those of you who prefer to take notes on a laptop or tablet are free to do so, however, if it becomes disruptive to the class you will be asked to put it away for the remainder of the class.

University Policies

ADA compliance:

Abilene Christian University is dedicated to removing barriers and opening access for students with disabilities in compliance with ADA and Section 504 of the Rehabilitation Act. The Alpha Scholars Program facilitates disability accommodations in cooperation with instructors. In order to receive accommodations, you must be registered with Alpha Scholars Program, and you must complete a specific request for each class in which you need accommodations.

If you have a documented disability and wish to discuss academic accommodations, please call our office directly at (325) 674-2667 or email our compliance coordinator, Scott Self, at jss00c@acu.edu.

Academic integrity is defined as academic work completed as assigned for each class by the individual or group responsible for the work. Violations of academic integrity and other forms of cheating involve the intention to deceive, mislead, or misrepresent and therefore, are a form of lying. Such actions are contrary to behavioral norms that flow from the nature of God. Academic misconduct includes, but is not limited to, the following: 1) Failure to give credit to sources used in a work in an attempt to present the work as one's own, 2) Submission of papers or projects obtained from another source (e.g., research service or club paper file) as one's own, and 3) Falsifying information orally or in writing. Academic misconduct may result in, but is not limited to, a zero on the assignment and/or an F in the course. Additionally, the department chair, Dean of your school, and the Dean of Student Life will be notified. See the full university policy, including how to appeal a decision, by following [this link](#).

Harassment policy: "As a Christian community, Abilene Christian University has committed itself, unequivocally, to ensuring a working and learning environment in which the dignity of every individual is respected. Harassment is defined as unwelcome behavior or conduct based on sex, religion, race, age, color, national origin, veteran's status, disability, or any other characteristic protected by law when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment, education, or participation in University programs or activities, (2) submission to, or rejection of, such conduct by an individual is used as the basis for a decision affecting an individual's employment, education, or participation in University programs or activities, or (3) such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive environment for work, education, or participation in a University program or activity. See the full university policy by following [this link](#)

Calendar

Below is a tentative calendar of topics and test dates for this class. When significant changes are made i.e. moving of tests, I will let you know at least 1 class period in advance.

Lecture Calendar

Date	Week	Topic	Quizzes and Exams
1/13/20	1	Introduction to Nutrition	
1/20/20	2	Parts of the Gastrointestinal Tract	
1/27/20	3	Parts of the Gastrointestinal Tract	Quiz 1 due 1/27 @ 11:59 pm
2/3/20	4	Carbohydrates	Quiz 2 due 2/17 @ 11:59 pm Exam 1: 2/6
2/10/20	5	Carbohydrates	
2/17/20	6	Fats and Lipids	Quiz 3 due 2/17 @ 11:59 pm
2/24/20	7	Fats and Lipids	
3/2/20	8	Energy Metabolism	Quiz 4 due 3/2 @ 11:59 pm Exam 2: 3/7
3/9/20		Spring Break	
3/16/20	9	Proteins and Amino Acids	Quiz 5 due 3/17 @ 11:59 pm
3/23/20	10	Proteins and Amino Acids	
3/30/20	11	Water	Quiz 6 due 3/30 @ 11:59 pm
4/6/20	12	Minerals	Quiz 7 due 4/6 @ 11:59 pm
4/13/20	13	Minerals and Vitamins	
4/20/20	14	Vitamins	Quiz 8 due 4/20 @ 11:59
4/27/20	15	Applied Nutrition and Feeding	Quiz 9 due 4/27 @ 11:59 Quiz 10 due 5/1 @ 11:59
	Finals	Final Exam Tue 5/5 @ 10:00 – 11:45	