



**ANSC 1513, General Animal Science 1513
Fall 2019**

Instructor: TBD
Section # and CRN: P02- ANSC1513 CRN14188
Office Location: Ag/Bus Room
Office Phone: 936-261-5134
Email Address:
Office Hours:
Mode of Instruction: Face to Face
Course Location: Agriculture and Business bldg. Room 216
Class Days & Times: MWF 3:30 am - 4:50 am
Catalog Description: ANSC 1513 General Animal Science: 3 semester hours. Introductory course dealing with domestic farm animals common in the United States. Selection, reproduction, nutrition, management and marketing of beef cattle, swine, sheep, poultry, goats, horses and companion animals.
Prerequisites: None:
Co-requisites: None:
Required Texts: Animal Science and Industry, seventh edition. Authors: Duane Acker, Merle Cunningham, Mickey A. Latour.
Recommended Texts: None

Student Learning Outcomes:

	Upon successful completion of this course, students will be able to:	Program Learning Outcome # Alignment	Core Curriculum Outcome Alignment
1	To impart knowledge relating the animal to its ultimate value as a food product		
2	Be familiar with livestock terminology, the expected performance of animals raise using good management and husbandry practices, and characteristics of the primary breeds of farm livestock.		
3	To understand principles underlying the selection of replacement stock for continued genetic improvement in the herd or flock.		
4	To understand animal reproduction, some management principles for improving reproductive efficiency, and be familiar with technologies such as estrous synchronization, artificial insemination and embryo transfer.		
5	To understand changes in body composition relative to muscle, fat, and bone as an animal grows and understand how these changes affect gains, feed efficiency, market grades, and market price		

6	Know the major components of livestock feeds and be able to compare similarities and differences in feed digestion by cattle, sheep, swine, and horses.		
---	---	--	--

Course Goals or Overview:
 A goal of the course is to help students make informed judgements about animal agriculture, to develop an attitude of appreciation and respect for the industry and its products of food, fibre, sport, and companionship. In addition to the content areas presented here, this goal requires critical thinking skills; an assertive self-disciplined, self-starter that questions the powers to be; has general overview knowledge of the science component of animal agriculture and has an appreciation of agriculture in general.

Course Objectives/Accrediting Body (*NCATE, ABET, NAAB, etc...*) **Standards Met:** (*standards will depend on the course*)

To acquaint students with the knowledge of feeding, husbandry practices, breeding and genetics, and the performance of farm animals and other objectives or specialized accrediting agency requirements as needed.

Major Course Requirements

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course. *Note: See Program Outcomes in True Outcomes*

Exams – written tests designed to measure knowledge of presented course material

Exercises – written assignments designed to supplement and reinforce course material

Projects – web development assignments designed to measure ability to apply presented course material

Class Participation – daily attendance and participation in class discussions

(points will vary according to instructor's grading system)

Method of Determining Final Course Grade

(Points will vary according to instructor's grading system)

Course Grade Requirement	Value	Total
1) Value of the first 4 exams	15	60
2) Term paper/Presentation	10%	10
3) Assignment/ quizzes	10%	10/10
4) Final exam	20%	20
5) Total		100

Grading Criteria and Conversion:

A = 90 – 100 pts;

B = 80 – 89 pts;

C = 70 – 79 pts;

D = 60 – 69 pts;

F = 59 pts or below

Detailed Description of Major Assignments: [See eCourses online for description]

Assignment Title or Grade Requirement	Description
---------------------------------------	-------------

[All Assignments Must Be Typed]

Course Procedures or Additional Instructor Policies

Task stream

Taskstream is a tool that Prairie View A&M University uses for assessment purposes. At least one of your assignments is **REQUIRED** to be submitted as an "artifact," an item of coursework that serves as evidence that course objectives are met. More information will be provided during the semester, but for general information, you can visit Taskstream via the link in eCourses.

NOTE: All assignments must be submitted on time, formatting should be 12 font, times new Roman and double spaced. DO NOT COPY OR PLAGIARIZE OTHER STUDENTS ASSIGNMENTS ETC. All assignments can be found in your eCourses online. Turn in all assignments as hard copy in class on the due dates. No cell phones and other class disruptions will not be tolerated

Semester Calendar

Week 1-16: Topic Description	Introduction to Animal Science / Scientific Method and Techniques The purpose of this topic is for students to increase their understanding of the uses of scientific methods in Animal Science - New Advancements in Animal Science
Readings:	M: The Animal Industry W: Cellular Biology and animal Taxonomy F: Biology of Growth and Development
Assignment (s):	Units 1 - 4: Introduction to Animal Science online videos (Watch this presentation before coming class on www.icevonline.com . How to login and register information will be provide)
Week Two: Topic Description	Taxonomy and Classification/ Cell Structures and Functions The purpose of this topic is for students to increase their understanding of how animals are classified and also understanding how the biological systems are formed.
Readings:	M: Biology of Digestion W: The Animal Systems F: Feeding practices in the Industry
Assignment (s):	In class Scheduled Assignment
Week Three: Topic Description	Animal Anatomy and Physiology (Stomach) The purpose of this topic is for students to increase their understanding of the different stomach types and how they function for each species of farm animal.
Readings:	M: Animal Science Ch.7- Feeds and feeding W: Ch. 2 Digestion F: Ch. 3 Absorption of Nutrients
Assignment (s):	Units 5-6: Introduction to Animal Science online videos (Watch this presentation before coming class on www.icevonline.com . How to login and register information will be provide) Exam 1
Week four: Topic Description	Basic Livestock Nutrition The purpose of this topic is for students to increase their understanding of Animal Nutrition
Readings:	M: Ch.5 Animal Health and Nutrition W: Feed selection F: Ration Formulation
Assignment (s):	Units 7-8: Introduction to Animal Science online videos (Watch this presentation before coming class on www.icevonline.com . How to login and register information will be provide)

Week Five:
Topic Description **Animal Production**
The purpose of this topic is for students to increase their understanding of how different species of animals are raised for food and by-products production.
Readings: M: Animal Breeding
W: Animal Breeding Systems
F: Ch.8 Genetics of Animal Breeding
Assignment (s): **Units 9-10 - Animal Development**
(Watch presentation before coming class)

Week Six:
Topic Description **Growth and Development of Farm Animals**
The purpose of this topic is for students to increase their understanding of how farm animals grow and develop from infancy into mature animals.
Readings: M: Ch.9 All farm animals species growth and development
W: Ch.10 Developmental problems in animals
F: Animal Health- Ch.14 Disease
Assignment (s): **Units 11- 12: Introduction to Animal Science online videos**
(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Week Seven:
Topic Description **Breeds of Animals**
The purpose of this topic is for students to increase their understanding of how animals are slaughtered and package for food.
Readings: M: Beef cattle / Dairy cattle Production / Dual purpose
W: Goat Production
F: Sheep Production
Assignment (s): **Units12- 13:- Introduction to Animal Science online videos**
(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Midterm Exam – Exam 2

Week Eight:
Topic Description **Breeds of Animals (Cont.)**
The purpose of this topic is for students to increase their understanding of how environment and inheritance played an important role in animal production.
Readings: M: Horse Production / Swine Production
W: Aquaculture
F: Poultry Production
Assignment (s): **Units 13-15- Animal Reproduction (PVAMU)**
(Watch presentation before coming class)

Week Nine:
Topic Description **Pathology and Health**
The purpose of this topic is for students to increase their understanding of the different diseases and their signs, symptoms and intervention methods used to counteract these challenges.
Readings: M: Diseases and Sanitation
W: Meat Science and Food Safety
F: Feed Additives and Hormones.
Assignment (s): **M Units 16- 17: Introduction to Animal Science online videos**
(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Exam 3

Week Ten:
Topic Description **Animal Products and Animal Judging**
Selection of animals with superior traits for display
Readings: M: Basic Animal Marketing
W: Basic Animal Selection
F: Companion Animal (Horses)
Assignment (s): **Unit 18: Introduction to Animal Science online video**

(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Week Eleven:
Topic Description **Societal Issues and Safety Related to Animal Science/ Careers in Agriculture/Animal Science**
The purpose of this topic is for students to increase their understanding of issues in the animal industry and careers

Readings: M: Companion Animal (Dogs)
W: Companion Animal (Cats)
F: Companion Animal (Rabbits)

Assignment (s): **Unit 19: Introduction to Animal Science online video**
(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Week Twelve:
Topic Description **Biosecurity in animal science**
The purpose of this topic is for students to increase their understanding of on-farm biosecurity as an important part of disease prevention and control, this applies to live animal contacts as well as indirect contacts

Readings: M: Companion Animal (Guinea Pigs):
W: Companion Animal (Fish)
F: Companion Animal (Birds)

Assignment (s): **Unit 20: Introduction to Animal Science online videos**
(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Exam 4

Week Thirteen:
Topic Description **Pasture Management**
The purpose of this topic is for students to increase their understanding of the types of grasses and their nutritional value used on pasture lands.

Readings: M: Swine and poultry Judging
W: Sheep and Goat Judging
F: Dairy Cattle Judging

Assignment (s): **Unit 21: Introduction to Animal Science online videos**
(Watch this presentation before coming class on www.icevonline.com. How to login and register information will be provide)

Week Fourteen to Sixteen
Topic Description Revision 1
Revision 2
M Class Presentations
Readings: W Class Presentations
F Class presentations
Assignment (s): Class Presentations

FINAL EXAM

Student Support and Success

John B. Coleman Library

The library and its partners have as their mission to provide resources and instructional material in support of the evolving curriculum, as a partner in Prairie View A&M University's mission of teaching, research, and service and to support the University's core values of access and quality, diversity, leadership, relevance, and social responsibility through emphasis on ten key areas of service. It maintains library collections and access both on campus, online, and through local agreements to further the educational goals of students and faculty.
<https://www.pvamu.edu/library/> Phone: 936-261-1500

The Learning Curve (Center for Academic Support)

The Learning Curve offers Tutoring via peer tutoring. The services include workshops (i.e., Save My Semester, Recalculate Your Route), seminars (i.e., Tools You Can Use: TI-84), group review sessions (i.e., College Algebra Topic Reviews, GRE Preparation), group study opportunities (i.e., TSIA, HESI, Study Break, Exam Cram), and test-taking strategies (How to take Notes, Study Buddy, 5 Day Study Guide). The Learning Curve is a nationally certified tutoring program through the National Tutoring Association. The peer tutors are trained and certified by the coordinator each semester. Location: J.B. Coleman Library Rm. 207F. Phone: 936-261-1561

The Center for the Oversight and Management of Personalized Academic Student Success (COMPASS)

The Center for the Oversight and Management of Personalized Academic Student Success (COMPASS) is designed to help Prairie View students in their second year and beyond navigate towards graduation by providing the following services: Academic Advisement, Targeted Tutorials for Personalized Learning, Campus-Wide Referrals, and Academic & Social Workshops. Location: J.B. Coleman Library Rm. 306. Phone: 936-261-1040

Writing Center

The Writing Center provides student consultants on all aspects of the writing process and a variety of writing assignments. Writing Center consultations assist students in such areas as prewriting, brainstorming, audience awareness, organization, research, and citation. Students taking on-line courses or courses at the Northwest Houston Center or College of Nursing may consult remotely or by email. Location: Hilliard Hall Rm. 121. Phone: 936-261-3724.

Student Counseling Services

The Student Counseling Services unit offers a range of services and programs to assist students in maximizing their potential for success: short-term individual, couples, and group counseling, as well as crisis intervention, outreach, consultation, and referral services. The staff is licensed by the State of Texas and provides assistance to students who are dealing with academic skills concerns, situational crises, adjustment problems, and emotional difficulties. Information shared with the staff is treated confidentially and in accordance with Texas State Law. Location: Owens-Franklin Health Center Rm. 226. Phone: 936-261-3564

Testing

The Department of Testing administers College Board CLEP examinations, the HESI A2 for pre-nursing majors, LSAT for law school applicants and MPRE for second-year law students, the Experiential Learning Portfolio option, the Texas Success Initiative (TSI) Assessment, which determines college readiness in the state, and exam proctoring, among other service such as SAT and ACT for high school students. Location: Delco Rm. 141. Phone: 936-261-4286

Office of Diagnostic Testing and Disability Services

As a federally mandated educational support unit, the Office of Disability Services serves as the repository for confidential disability files for faculty, staff, and students. For persons with a disability, the Office develops individualized ADA letters of request for accommodations. Other services include: learning style inventories, awareness workshops, accessibility pathways, webinars, computer laboratory with adapted hard and software, adapted furniture, proctoring of non-standardized test administrations, ASL interpreters, ALDs, digital recorders, livescribe, Kurtzweil, and a comprehensive referral network across campus and the broader community. Location: Evans Hall Rm. 317. Phone: 936-261-3585

Veteran Affairs

Veterans Services works with student veterans, current military and military dependents to support their transition to the college environment and continued persistence to graduation. The Office coordinates and certifies benefits for both the G.I. Bill and the Texas Hazlewood Act. Location: Evans Hall Rm. 323. Phone: 936-261-3563

Office for Student Engagement

The Office for Student Engagement delivers comprehensive programs and services designed to meet the co-curricular needs of students. The Office implements inclusive and accessible programs and services that enhance student development through exposure to and participation in diverse and relevant social, cultural, intellectual, recreational, community service, leadership development and campus governance. Location: Memorial Student Center Rm. 221. Phone: 936-261-1340

Career Services

Career Services supports students through professional development, career readiness, and placement and employment assistance. The Office provides one-on-one career coaching, interview preparation, resume and letter writing, and career exploration workshops and seminars. Services are provided for students at the Northwest Houston Center and College of Nursing in the Medical Center twice a month or on a requested basis. Distance Learning students are encouraged to visit the Career Services website for information regarding services provided. Location: Evans Hall Rm. 217. Phone: 936-261-3570

University Rules and Procedures

Disability Statement (Also See Student Handbook):

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 contact Disability Services, in Evans Hall, Room 317, or call 936-261-3585/3.

Academic Misconduct (See Student Handbook):

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

Forms of Academic Dishonesty:

1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.
2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a scheduled test.
3. Fabrication: use of invented information or falsified research.
4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else's words, ideas, or data as one's own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one's own work also constitutes plagiarism.

Nonacademic Misconduct (See Student Handbook)

The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor's ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. The Dean of Students under nonacademic procedures will adjudicate such incidents.

Sexual Misconduct (See Student Handbook):

Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

Title IX Statement

Prairie View A&M University (PVAMU) is committed to supporting students and complying with the Texas A&M University System non-discrimination policy. It seeks to establish an environment that is free of bias, discrimination, and harassment. If you experience an incident of sex- or gender-based discrimination, including sexual harassment, sexual assault or attempted sexual assault, we encourage you to report it. While you may talk to a faculty member about an incident of misconduct, the faculty member must report the basic facts of your experience to Ms. Alexia Taylor, PVAMU's Title IX Coordinator. If you would like to speak with someone who may be able to afford you privacy or confidentiality, there are individuals who can meet with you. The Title IX Coordinator is designated to handle inquiries regarding non-discrimination policies and can assist you with understanding your

options and connect you with on- and off-campus resources. The Title IX Coordinator can be reached by phone at 936-261-2123 or in Suite 013 in the A.I. Thomas Administration Building.

Class Attendance Policy (See Catalog for Full Attendance Policy)

Prairie View A&M University requires regular class attendance. Attending all classes supports full academic development of each learner whether classes are taught with the instructor physically present or via distance learning technologies such as interactive video and/or Internet.

Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in assignment of a grade of "F". Absences are accumulated beginning with the first day of class during regular semesters and summer terms. Each faculty member will include the University's attendance policy in each course syllabus.

Student Academic Appeals Process

Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.

TECHNICAL CONSIDERATIONS

Minimum Recommended Hardware and Software:

- Intel PC or Laptop with Windows 7; Mac with OS X; Smartphone or iPad/Tablet with Wi-Fi
- High speed Internet access
- 8 GB Memory
- Hard drive with 320 GB storage space
- 15" monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Keyboard & mouse
- Most current version of Google Chrome, Safari, Internet Explorer or Firefox

Note: Be sure to enable Java & pop-ups in the Web browser preferences

Participants should have a basic proficiency of the following computer skills:

- Sending and receiving email
- A working knowledge of the Internet
- Proficiency in Microsoft Word (or a program convertible to Word)
- Proficiency in the Acrobat PDF Reader
- Basic knowledge of Windows or Mac O.S.

Netiquette (online etiquette):

Students are expected to participate in all discussions and virtual classroom chats as directed. Students are to be respectful and courteous to others on discussions boards. Foul or abusive language will not be tolerated.

Technical Support:

Students should go to <https://mypassword.pvamu.edu/> if they have password issues. The page will provide instructions for resetting passwords and contact information if login issues persist. For other technical questions regarding eCourses, call the Office of Distance Learning at 936-261-3283

Communication Expectations and Standards:

Emails or discussion postings will receive a response from the instructor, usually in less than 48 hours. Urgent emails should be marked as such. Check regularly for responses.

Discussion Requirement:

Online courses often require minimal to no face-to-face meetings. However, conversations about the readings, lectures, materials, and other aspects of the course can take place in a seminar fashion. This will be

accomplished by the use of the discussion board. The instructor will determine the exact use of discussion.

It is strongly suggested that students type their discussion postings in a word processing application and save it to their PC or a removable drive before posting to the discussion board. This is important for two reasons: 1) If for some reason your discussion responses are lost in your online course, you will have another copy; 2) Grammatical errors can be greatly minimized by the use of the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, it/they should be copied and pasted to the discussion board.