

**College of Sciences and Engineering Technology**  
**Sam Houston State University**  
Course Description and Syllabus  
Fall 2017

<b>Department</b>	Agricultural Sciences									
<b>Course</b>	AGRI 5340 – Advanced Animal Growth and Performance									
<b>Instructor</b>	Mark J. Anderson, Ph.D. Pirkle Engineering Technology Center 450E Phone: 936-294-3367 Email: mjanderson@shsu.edu Office hours: Mondays 1-3 PM or by appointment									
<b>Resources</b>	Recommended: Notes packet available at Eagle Graphics (ANSC 4310)  Optional reference textbook: <i>Principles of Animal Growth and Development</i> , Gerrard and Grant. 2003. Kendall/Hunt Publishing Company.									
<b>Course Description</b>	Lecture will include a study of physiological and endocrine factors affecting growth and performance of domestic animals. The course includes a study of meat animal growth and developmental processes and factors that affect body/carcass composition, carcass quality and value.									
<b>Learning Outcomes</b>	After completing this course, students will be able to: <ul style="list-style-type: none"><li>• Understand the processes by which animals grow and develop.</li><li>• Understand the structure and organization of each different growth phase.</li><li>• Understand the hormonal regulation of growth.</li><li>• Understand the nutritional regulation of growth.</li><li>• Identify and discuss the relationships among composition and meat quality.</li><li>• Discuss the methods of altering the growth and performance of an animal and the result on overall productivity.</li></ul>									
<b>Grading</b>	Final grade will be based upon: <table><tr><td>3 Exams</td><td>300pts</td></tr><tr><td>Quizzes/Homeworks</td><td>100pts</td></tr><tr><td>Research Paper</td><td>50pts</td></tr><tr><td>Presentation</td><td>50pts</td></tr></table>		3 Exams	300pts	Quizzes/Homeworks	100pts	Research Paper	50pts	Presentation	50pts
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Percentage grading scale:

A = 90-100, B = 80-89, C = 70-79, D = 60-69, F = <60

### **Quizzes**

Homework will be assigned accordingly. Random quizzes will be given in order to encourage attendance to lectures and labs. Quizzes cannot be made up for any reason.

### **Presentation**

A research paper/presentation will be assigned during the first three weeks of class. This is to be a 7-10 page research paper along with a 20-30 minute presentation based a topic of your choice in the area of animal growth. Topics must be approved by the instructor. At least 7 sources must be used from peer reviewed articles or textbooks. Sources should be current (within the last 5 years). Papers/presentations will be graded mostly correct scientific knowledge and writing and grammar skills. Papers/presentations are due in April and will not be accepted late!

### **Attendance**

Students are expected to be in attendance at all class meetings, and attendance will be recorded each class period. Absences for emergencies, illness, or University authorized reasons will be excused with proper documentation from a doctor, professor, or sponsoring organization presented to the instructor within 48 hours of the absence.

If a student has 4 unexcused absences, their final grade may be penalized by 10 percent. Because arriving late to class and leaving early is disruptive to the learning environment, students should strive to be in class throughout the entire class period. Attendance will be recorded at varying times during the lecture or lab period. If a student is not present when attendance is taken, the student will be considered absent.

If a student misses an exam due to an excused absence, the student will be allowed to schedule a make-up exam within 1 week of the absence. The make-up exam may be of a different format than the exam distributed to the rest of the class. Students that miss an exam due to an unexcused absence will not be allowed to take a make-up exam, and a score of zero will be recorded.

### **Academic Honesty**

*The University expects all students to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete 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. [5.31] The University and its official representatives, acting in accordance with Subsection 5.32, may*

*initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating, plagiarism, collusion, and the abuse of resource materials. -Academic Policy Statement 810213*

All quizzes and exams in this course are to be completed independently, and without the aid of outside resources such as textbooks, lecture notes, or internet search engines, unless specifically stated otherwise. Any student found in violation of this policy will receive no credit for that quiz or exam, and may be referred to the department chair and academic dean for further disciplinary action.

Use of any electronic devices during an exam or quiz **for any reason** will be considered use/abuse of resource material, and will also result in a grade of zero on the quiz or exam.

**Classroom Conduct** Cell phones and other electronic devices must be turned off before class begins. Use of any electronic device for talking, texting, or listening to music during class will result in the student being counted as absent for that class period. Students that have emergencies or a specific need to answer phone calls during class may be exempt from this policy by notifying the instructor prior to the start of class, setting their phone to vibrate, and leaving the room to receive or place a call.

Behavior in the classroom that is intentionally or unintentionally disruptive is prohibited in order maintain the most effective learning environment for all students in the class. Students may not sleep, read newspapers, listen to music, make offensive remarks, talk at inappropriate times or engage in sidebar conversations with other students, wear inappropriate clothing, or engage in any other form of distraction. Engaging in any of these behaviors during class will result in a directive to leave the classroom, and the student will be counted as absent for that class period. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

*The use of tobacco products is prohibited in any Sam Houston State University academic facility. -Academic Policy Statement 890228*

**Classroom Visitors** Classroom visitors are welcome with the prior approval of the instructor based on the presentation of a current and official SHSU ID card, and as long as they do not present a disruption to the class. If the visitor is not a registered SHSU student, approval may be granted on a case-by-case basis.

**ADA 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 should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail [disability@shsu.edu](mailto: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 Services for Students with Disabilities 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 Services for Students with Disabilities. For a complete listing of the university policy, see:

<http://www.shsu.edu/dept/academic-affairs/documents/aps/students/811006.pdf>

**Religious Holidays**

*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 examinations, for the observance of a religious holy day, including travel for that purpose. 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. -Academic Policy Statement 861001*

**Electronic Devices**

The use by students of electronic devices that perform the function of a telephone or text messaging during class-time may be prohibited if deemed disruptive by the instructor to the conduct of the class. Arrangement for handling potential emergency situations may be granted at the discretion of the instructor. Failure to comply with the instructor's policy could result in expulsion from the classroom or with multiple offenses, failure of the course. Any use of a telephone or text messaging or any device that perform these functions during a test period is prohibited. These devices should

not be present during a test period is prohibited. These devices should not be present during a test or should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty.