

College of Science and Engineering Technology
Sam Houston State University
Course Description and Syllabus
Summer 2017

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| Department | Agricultural Sciences and Engineering Technology |
| Course | ANSC 3376 – Meat Science |
| Instructor | 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 |
| Resources | Recommended: Notes packet available at Eagle Graphics Optional reference textbook: <i>Principles of Meat Science</i> , 5 th Ed., Aberle, Forrest, Gerrard, and Mills. 2012. Kendall/Hunt Publishing Company. |
| Equipment | Optional: 1- 6” curved boning knife 1- 10” polished packinghouse steel 1- Plastic knife scabbard 1- 5” skinning knife |
| Course Description | Lecture topics will include muscle and skeletal biology, conversion of muscle to meat, food-borne illnesses and HACCP. Labs will focus on the methods of harvesting, preparation, preserving, and storing meat. Prerequisite: ANSC 1319/1119. |
| Learning Outcomes | After completing this course, students will be able to: <ul style="list-style-type: none">• Identify the anatomy and physiological processes of pre- and post-harvest carcasses• Identify retail cuts of meat from multiple species• Define terms associated with muscle biology, harvest, fabrication, and sale of retail cuts of meat from multiple livestock species• Demonstrate proficiency in the use of fabrication materials to breakdown carcasses of multiple livestock species• Accurately assign USDA grades and assess the quality of different cuts of meat• Demonstrate carcass handling and fabrication in compliance with food safety measures. |

Course Safety

Prior to beginning the lab section of the course all students will be trained in the follow areas of safety in the Meat Lab.

- Proper footwear and clothing in the Meat Lab
- Knife Safety
- Saw Safety
- Dangers during slaughter including animals and overhead rails.
- Proper lifting
- Personal safety practices
- Food safety practices

Grading

Final grade will be based upon:

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| 3 Exams | 300pts |
| Quizzes/Homeworks | 100pts |

Percentage grading scale:

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

Exams & Quizzes

Exams and quizzes may contain multiple-choice, true/false, fill-in-the-blank, short-answer or essay questions. Exam dates will be announced in class at least 1 week before the scheduled date. In-class quizzes will be unannounced, and may occur at any point during a lecture or lab period. In addition, on-line quizzes may be assigned throughout the semester that must be completed on Blackboard. Only the 10 highest scores of the quizzes/homeworks given will be calculated into the final grade.

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). 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.