***Reedley College Animal Science Program***

**Course Syllabus – Fall 2020**

Course Number & Name: AS 6 – Livestock Evaluation and Selection

Section Number: 55924

Instructor: David M. Lopes

Instructor Phone Number: 559-638-0319

Instructor Email: [david.lopes@reedleycollege.edu](mailto:david.lopes@reedleycollege.edu)

Preferred Method of Contact:

E-mail. I check email messages frequently most days. I will usually return messages within 24 hours.

Office Hours:

Mondays and Wednesdays from 10:00 am to 11:00 am (on campus)

Tuesdays and Thursdays from 9:00 am to 10:00 am (virtual)

Fridays from 1:00 pm to 2:00 pm (on campus)

Class Meeting Schedule:

Lectures for this course will meet on Mondays and Wednesdays from 9:00 am to 9:50 am. Labs will meet on Mondays from 3:00 pm to 5:50 pm. This course meets for 18 weeks.

Please note that in the event that that tighter restrictions are imposed due to the Coronavirus (COVID 19) pandemic, this course may be switched to either a hybrid format (lectures on-line with labs continuing face-to-face) or a 100% distance education format (both lectures and labs on-line only). If this happens, the impacted components of instruction (lecture and/or lab) will be delivered in an asynchronous format. This means that there will still be defined due dates for assessments (i.e. assignments, quizzes, tests, etc.), but no specific time slot during the week during which students must complete them.

Class Meeting Location:

Lectures meet in AGR 15. Labs meet at the Pavilion (located at the north end of campus).

Cancelled Class Notification:

In the event that an on-campus meeting of lecture or lab needs to be cancelled, the instructor will make every attempt to inform students in advance of the cancellation. The Division C Administrative Assistant will be notified as early as possible. This will result in a ‘Notice of Cancelled Class’ being posted to the Reedley College Website as well as a ‘Class Cancelled Sign’ being posted on the classroom door.

Use of CANVAS:

CANVAS is the course management system used by Reedley College and many other colleges and universities. Most of the lecture components of this course will be administered through CANVAS. On-line tutorials on how to use CANVAS are available to students.

Most everything you will need to be successful in the lecture portion of this course will be arranged into units of instruction called ‘Modules’ in CANVAS. Your instructor will post a brief tutorial video on CANVAS that will explain how to navigate the modules for this course.

Holidays:

Holidays will be observed as per the State Center Community College District Schedule. Holidays this semester include:

* September 7 (Monday): Labor Day
* November 11 (Wednesday): Veterans Day
* November 26 & 27 (Thursday and Friday): Thanksgiving

Drop Deadline:

The last day that a student can be officially dropped from this course is Friday, October 9th. After this date, a student must receive a grade.

Final Exam Date:

The final exam for this course will be open on CANVAS from Monday, December 7th through Wednesday, December 9th. The exam will close at 11:59 pm on Wednesday, December 9th.

Course Prerequisites: None. There are no prerequisites for this course.

Course Co-requisites: None. There are no co-requisites for this course.

Course Units: 3 (based on 2 lecture hours and 3 lab hours per week)

Text and Other Course Materials:

Live Animal Carcass Evaluation & Selection Manual, 6th Edition

Boggs, Merkel, Doumit & Bruns, Kendall/Hunt Publishing Company, Copyright 2006, ISBN#: 978-0-7575-2059-4

This textbook is available in hard copy only. Go to the website or visit the Reedley College Bookstore for details.

[Link to Text](https://he.kendallhunt.com/product/livestock-and-carcasses-integrated-approach-evaluation-grading-and-selection?id=68153)

The textbook for this course is required. Please bring it with you to lecture sessions.

Notebook & writing utensil are required for both lecture and lab sessions.

Supplemental References:

Some references will be supplied in the form of links to various websites and videos. These will be provided primarily through CANVAS. In addition, various printed publications (including breed association magazines, AI catalogues, and sale advertisements) will be shared in class.

Assessment and Grading:

Assessments of student learning will include lecture assignments and quizzes, judging cards (lab), written and oral reasons (lab), other lab assignments, and a final exam. The instructor reserves the right to develop and administer other forms of assessment as determined necessary. The final exam will be comprehensive in nature.

The final grade for this course will be weighted as follows:

25% lecture assignments & quizzes

50% lab points (based on judging cards, reasons, other lab assignments)

25% final exam (comprehensive)

The grading scale for this course is as follows:

A = 90 to 100%

B = 80 to 89%

C = 70 to 79%

D = 60 to 69%

F = under 60%

All grades for this course will be posted to CANVAS.

Attendance Requirements:

* Attendance is required.
* Students are responsible for obtaining notes/information missed due to an absence from the instructor.
* Please notify the instructor if you know in advance that you will be absent from class.
* College policy dictates that an instructor may drop a student with two consecutive weeks of unexcused absences.
* At the end of the 9th week of instruction, no withdrawals are permitted and the student must receive a grade.
* Make up tests and assignments will only be allowed for emergency situations and pre-excused absences.
* For on-line courses being taught in asynchronous format, “attendance” will be determined by course activity (i.e. submission of assignments by the published due date). Any student who fails to submit assignments for two consecutive weeks prior to the 9th week drop deadline will be dropped from the course.

Behavioral Standards:

All students are expected to act in a mature, responsible manner that respects the rights of all other students, the instructor, and any guest presenters that may participate in the class. All cell phones and other electronic gadgets that may cause distraction are to be turned “off” or kept on “silent” during lecture. If participating in a Zoom meeting, please keep your microphone on ‘mute’ unless you have a question or something to share.

Cheating and Plagiarism:

In keeping with the philosophy that students are entitled to the best education available, and in compliance with Board Policy 5410, each student is expected to exert an entirely honest effort toward attaining an education. Violations of this policy will result in disqualification for the course.

Accommodation Statement:

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Course Description:

This course involves a detailed analysis of various visual and physical methods of appraising beef, sheep, swine and horses concerning functional and economic value. Written and oral summaries of evaluation will be learned. Specific reference will be made to performance data and factors determining carcass value.

Student Learning Outcomes:

*Upon completion of this course, students will be able to:*

1. Evaluate and rank livestock and horses based on current industry standards.
2. Compare and contrast the phenotype of selected animals in both oral and written form.

Course Learning Objectives:

*In the process of completing this course, students will:*

1. Identify common breeds of livestock and horses.
2. Discuss the process of meat animal growth, development and finishing.
3. Identify the external anatomical features of cattle, sheep, swine and horses.
4. Discuss the importance of evaluation skills to the livestock and horse industries.
5. Describe the factors influencing the livestock selection process.
6. Apply industry quality and yield grading standards to beef, lamb and pork carcasses.
7. Judge and rank classes of beef cattle, sheep, goats, swine and horses utilizing both objective and subjective methods.
8. Compare and contrast the phenotype of selected animals in both oral and written form.

Course Lecture Topic Outline:

Course lecture topics will be arranged into units of instruction (i.e. ‘Modules’) in CANVAS.

1. Course Introduction and Orientation
2. Cards, Cuts, and Critiques
3. Introduction to Livestock Evaluation and Selection
4. Animal Growth and Development
5. Factors Affecting Livestock Selection and Improvement
6. Evaluation and Grading of Swine
7. Evaluation and Grading of Beef Cattle
8. Evaluation and Grading of Sheep and Meat Goats
9. Reasons Development
10. Evaluation of Horse Type and Conformation
11. Final Exam Week

Course Lab Topic Outline:

The exact order of lab topics may vary according to species production calendars, availability of necessary resources, and other factors. Some lab topics may be split over two or more lab sessions in order to provide ample opportunity for student practice. Also, multiple topics may be addressed during any one lab session.

1. Lab Orientation and Tour of Lab Facilities
2. Evaluation of Swine: Feeder, Market, and Breeding Animals and EPD’s
3. Evaluation of Sheep: Feeder, Market, and Breeding Animals
4. Evaluation of Meat Goats: Feeder, Market, and Breeding Animals
5. Evaluation of Beef Cattle: Feeder, Market, and Breeding Animals and EPD’s
6. Pork Carcass Evaluation and Grading
7. Lamb/Goat Carcass Evaluation and Grading
8. Beef Carcass Evaluation and Grading
9. Use of Ultrasound to Evaluate Carcass Traits in Live Animals
10. Evaluation of Quarter Horse Type and Conformation
11. Lab Final

First Assignment:

Upon completion of reading this syllabus, please complete the course contract assignment on CANVAS.