***Reedley College Animal Science Program***

**Course Syllabus – Fall 2020**

Course Number & Name: AS 1 – Introduction to Animal Science

Section Number: 55853

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:

This is an 18-week course that will be meeting 100% on-line this semester. There will be no class meetings on campus. This course does not include a lab session. Instruction will be delivered in an asynchronous format, with new units of instruction (i.e. ‘Modules’) being published on CANVAS at approximately 1-week intervals. There will 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:

Not applicable as this course is 100% on-line.

Cancelled Class Notification:

Not applicable as this course is 100% on-line.

Use of CANVAS:

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

Everything you will need to be successful in 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 Advisories:

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

Text and Other Course Materials:

Scientific Farm Animal Production: An Introduction to Animal Science, 12th Edition, Thomas G. Field and Robert E. Taylor, 2020, ISBN-13: 9780135187258

[Link to Text](https://www.pearson.com/store/p/scientific-farm-animal-production-an-introduction-to-animal-science/P100001148839)

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

The textbook for this course is optional (not required).

Supplemental References:

Most references will be supplied in the form of links to various websites and videos. These will be provided through CANVAS.

Assessment and Grading:

Assessments of student learning will include written assignments, quizzes, discussion forums, and a final exam. The instructor reserves the right to develop and administer other forms of assessment as determined necessary. Students in this course can expect a minimum of one graded assessment each week. The final exam will be comprehensive in nature.

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

75% assignments, quizzes, and discussion participation

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 is a survey of the livestock industry, the supply of animal products and their uses, with a special emphasis on the origin, characteristics, adaptation, and contributions of farm animals to the agriculture industry. This course will analyze the economic trends and career opportunities in animal agriculture.

Student Learning Outcomes:

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

1. Defend an opinion relative to the agricultural practice of raising animals for human use.
2. Outline animal husbandry practices that are consistent with industry approved quality assurance programs and that promote animal well-being, production efficiency, sustainability, and consumer acceptance.
3. Trace animal-based retail products from their original point of production, through the processing and marketing chains, to the consumer.

Course Learning Objectives:

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

1. List animal contributions to human needs.
2. Identify the major breeds of farm animals and list their respective economically important contributions.
3. Identify external and internal anatomical features of livestock using appropriate terminology and relate their functions.
4. Explain the timelines and biological principles associated with animal reproduction cycles and growth.
5. Name marketing strategies and market classifications of livestock.
6. Understand animal behavior as it relates to health and performance.
7. Discuss major issues, trends, and challenges facing the livestock industry.
8. Identify cultural contributions to and ethnic influences on the animal industry.
9. Identify career opportunities and requirements for successful employment.
10. Describe the major segments of the livestock industry.

Course Topic Outline

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

Each module will be approximately 1 week in length,

1. Course Introduction and Orientation
2. Careers in Animal Science
3. Introduction to Animal Agriculture
4. Issues Impacting Animal Agriculture
5. Animal Health
6. Animal Behavior and Handling
7. Anatomy and Physiology
8. Reproduction
9. Genetics
10. Nutrition
11. Beef Cattle Industry
12. Dairy Cattle Industry
13. Swine Industry
14. Sheep industry
15. Goat Industry
16. Poultry Industry
17. Equine Industry
18. Final Exam Week

First Assignment:

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