Introduction to Animal Science Course Syllabus – Spring 2022 Section 51016

## Instructor Information:

Desiree Molyneux M.S.

Email: desiree.molyneux@reedleycollege.edu

Phone: 559-638-0300 ext. 3283

Office Hours:

Monday 1:00 a.m. – 12:00 & 1:00-3:00, Thursday 1:00-3:00

Friday 11:00 – 12:00 email, zoom or phone

# Class Meeting, Holidays and Drop Deadlines:

This is an online class, weekly participation is expected and all deadlines are to be adhered to. Due to the online nature observed holidays will not impact this class. Make up tests and assignments will only be allowed for emergency situations and pre-excused absences. January 21st is the last day to drop this class for a full refund. January 28th is the last day to drop this class to avoid a W on transcripts. The last day for a student to drop this course is March 11th. After this date, the student must receive a grade. This is an 18-week course that will be meeting 100% on-line this semester. There will be no class meetings on campus. 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.

# Text &Supplemental References

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).

# Grading scale

The final grade for this course will be weighted as follows: 75% class assignments, discussion participation and tests (quizzes in Canvas). 25% final exam

| Letter Grade | Percentage Points |
| --- | --- |
| A | 100-90% |
| B | 89-80% |
| C | 79-70% |
| D | 69-60% |
| F | 59% or less |

# Cheating & 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 Evaluation of Market Animals
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.