

Reedley College Animal Science Program
Course Syllabus – Fall 2012

Course Number & Name: AS 1 – General Livestock Production

Section Number: 50012

Instructor Information:

Contact Information:

Lecture: Jodie Brown
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Contact Information:

Lab: David Lopes
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Class Meets:

Lecture: Tuesdays & Thursdays
10:00 – 10:50 am in FEM 8

Lab: Thursdays, 2:00 – 4:50 pm in AS Pavilion
(Note: Lab sessions of this course may periodically meet at off-campus sites.)

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

Drop Deadline:

The last day for a student to drop this course is **Friday, October 12th**. After this date, the student must receive a grade.

Final Exam Date:

See Catalog

Prerequisites: None

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

Text & Other Required Materials:

Introduction to Animal Science: Global, Biological, Social and Industry Perspectives, 4th edition, W. Stephen Damron, ISBN 9780136064442, Publisher: Prentice Hall, Copyright: 2008

Notebook & writing utensil for both lecture and lab sessions.



Supplemental References

Animal Industry Trade Magazines, Livestock Breed Magazines, Sire Directories, and numerous Internet Sites.

Method for Measuring Student Advancement and Determining Grades

The methods for measuring students' achievement & determining grades are:

Writing Assignment

Laboratory Reports

Computational Problem-solving

Homework Problems, Field & Lab Work

Skill Demonstrations

Class Performance, Field & Lab Work

Examinations

Multiple Choice, True/False, Matching, Essay

Grading Scale: A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = under 60%.

The final grade will be determined from 25% class assignments & tests, 25% final exam, and 50% lab points.

Attendance Requirements:

Attendance is required since most of the learning occurs in a lecture/laboratory situation.

- 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 should 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.

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" during lecture and lab sessions.

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.

Lecture & Laboratory Topics:

See attached spreadsheets for lecture & lab topics, student assessment methods and respective point values.

Learning Objectives:

The student will:

- Describe animal contributions to human needs
- Identify common market classifications for economically significant species of livestock
- Apply safe and ethical animal handling techniques
- Judge and rank classes of livestock based on physical conformation and performance records
- Perform basic veterinary procedures commonly required in the livestock industry
- Evaluate career opportunities found in the livestock industry
- Apply knowledge of the fundamental differences and the respective nutritional requirements of the ruminant and non-ruminant digestive systems to the formulation of diets for livestock
- Identify the major breeds of beef cattle, dairy cattle, sheep, swine, and horses, and list their respective economically important traits
- Identify external and internal anatomical features of livestock using appropriate terminology
- Identify equipment, facilities, tools, and supplies commonly utilized in the livestock industry
- Evaluate meat animal carcasses in accordance with industry quality and yield grading standards
- Describe the major segments of the beef, sheep, swine, dairy, and horse industries
- Discuss major issues, trends, and challenges facing the livestock industry
- Collect and calculate data used to ensure scientifically-based management decisions

AS 1 - General Livestock Production
Lecture Topic Outline
Fall 2012

Unit Topic (listed in approximate order to be addressed)*	Estimated Number of Lecture Sessions	Assessment Method (Associated Assignment, Test, Other ...)	Estimated Point Value
Course Introduction & Syllabus Review	2	Syllabus Review Verification	100
Careers in Animal Science	2	Student Educational Plan	100
The Place of Animals & Animal Science in the Lives of Humans	5	Unit Test	100
The Animal Industries (Beef, Dairy, Equine, Sheep & Goats, Swine, Poultry)	14	Unit Tests	600
The Biological Sciences of Animal Science	8	Unit Test	100
Final Exam Review	1	N/A	-
Final Exam	1	Scantron Exam	1,000
Holidays (Thanksgiving)	1	N/A	-
Semester Totals (18 weeks)	34		2,000

* The exact order of topics may vary depending upon availability of necessary resources and other factors.

AS 1 - General Livestock Production
Lab Topic Outline
Fall 2012

Topic*	Estimated Number of Lab Sessions**	Assessment Method	Estimated Point Value
Introduction & Tour of Animal Science Instructional Laboratory Facilities	0.5		-
Beef Cattle Management: Movement, Handling, Restraint, Veterinary Procedures.	1	Student Lab Report	100
Swine Management: Movement, Handling, Restraint, Veterinary Procedures.	1	Student Lab Report	100
Sheep Management: Movement, Handling, Restraint, Veterinary Procedures.	1	Student Lab Report	100
Beef Cattle: Evaluation & Selection of Feeder, Market & Breeding Animals	1	Judging Cards	100
Swine: Evaluation & Selection of Feeder, Market & Breeding Animals	1	Judging Cards	100
Sheep: Evaluation & Selection of Feeder, Market & Breeding Animals	1	Judging Cards	100
Live Animal Harvesting & Identification of Non Ruminant Internal Anatomy	1	Student Lab Report	100
Live Animal Harvesting & Identification of Ruminant Internal Anatomy	1	Student Lab Report	100
Pork Grading, Processing & Cuts Identification	1	Student Lab Report	100
Lamb Grading, Processing & Cuts Identification	1	Student Lab Report	100
Off-Campus Industry Tours	2	Tour Reports	200
Identification - Tools & Equipment for Livestock Handling & Restraint	0.5	Test	50
Identification - Tools for Administration of Pharmaceutical Products (Syringes, Needles, ...	0.5	Test	50
Identification - Veterinary Pharmaceuticals & Solutions	0.5	Test	50
Identification - Surgical/Veterinary Instruments	0.5	Test	50
Identification - Grooming Tools & Supplies	0.5	Test	50
Final Exam Week - No Class Meeting for Lab	1	N/A	-
Holidays (Thanksgiving)	1	N/A	-
Semester Totals (18 weeks)	17		1,450

Reedley College Animal Science Program
Course Syllabus Review Verification
& Expectations Statement

I, _____, do hereby verify that I have received and reviewed a
<print your first & last name>

copy of the course syllabus for **AS 1 – General Livestock Production**. Furthermore, I understand that:

- Individuals who consistently exhibit excellent time management skills, proficiency in communication, and a high level of work ethic are highly valued by employers. Therefore, these skills will be evaluated as part of the grade for this course, particularly during labs.
- I am responsible for attending each class session (lecture & lab) and that I may be dropped from this course if I exceed two (2) absences (lecture & lab combined) prior to the end of the ninth week of instruction.
- I will exhibit respect toward all other students, guest speakers, faculty, staff and others associated with this class. Foul language, crude humor, and inappropriate comments directed at others (in regard to ethnicity, religion, economic status, disability, or any other factors) will not be tolerated.
- I am responsible for my own behavior in this class. Excessive disruption of class (including excessive tardies, unexcused departures from class, excessive talking, and/or other disruptive behaviors) may result in being dropped from the course.
- I am responsible for obtaining the appropriate text and materials needed for this course.
- I am responsible for taking notes in class as most of the test material will be covered during lecture.
- I am responsible for doing my own work in both lecture and lab.
- I am responsible for turning off my cell phone during lecture and lab sessions for this course and that I may not use my cell phone for any reason during tests.
- Makeup work (for both tests and lab activities) will only be allowed in the case of extreme illness, family emergency, or a pre-approved absence (such as a class field trip).
- I am responsible for making up missed tests and assignments within one week after returning from my pre-approved absence (see previous bulleted item).
- This class may include periodic impromptu quizzes, which may be “open book” or “open note” in format, and that I must use my own textbook and/or notes for these quizzes. These will be timed quizzes, which may be given at the start of class. Makeup of these quizzes will not be allowed in the case of tardiness.
- I should wear suitable attire and footwear for the lab portion of this course. Shorts and sandals are not appropriate for working with large animals.
- I will not bring my pets to class (including lecture and lab).
- The approximate grade breakdown for this course will be as follows:

Lecture Exams, Quizzes, & Assignments	25%
Final Exam	25%
Laboratory Assignments & Tests	50%
	100%

Student Signature

Today's Date