

ANEQ 472 – SPRING 2017

SHEEP SYSTEMS

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Course Objective:

ANEQ 472 is a Junior/Senior level capstone course designed to provide broad-based exposure to sheep production in the United States with a perspective of world-wide sheep and goat production practices. Guest lectures are conducted by leading experts in their field of sheep or animal production.

Traditional Grading: 90-100 = A
80-89 = B
70-79 = C
60-69 = D
<59 = F

Course Evaluation: Exam 1 100 points
Exam 2 150 points

Reports: JBS 34 points (Due May 1, 2017 or before)
Feedlot 33 points (Due May 1, 2017 or before)
Centennial Livestock 33 points (Due May 1, 2017 or before)
Special Project 150 points (Due May 1, 2017 or before)
500 points total

Reports will cover lab tours and independent activities related to sheep. Reports should be less than two pages, double spaced (250-300 words maximum).

NOTE: Class attendance is expected, unless prior approval has been given by instructor. For university sanctioned events, a letter must be received by the instructor prior to absence.

ANEQ 472 Spring 2017 Sheep Systems Syllabus

Lecture = Military Science 105; Mondays/Wednesdays: 1:00 – 1:50pm

Labs = Military Science 105 2:00-3:40pm

Lecture	Lab (in Military Science 105) unless otherwise indicated
January 16	No Class – University Holiday
January 18	Zoonotic Diseases – Dr. Brett Kirch
No Lab	
January 23	History of Sheep
January 25	Breeds of Sheep
Lab	Basque Shepherd
January 30	Nutrition
February 1	Selection
Lab	Lamb – It's what's for lunch (serve at 12:30)
February 6	Reproductive Management
February 8	Sheep Health – Dr. Dave Vanmeter
Lab	TBA
February 13	Show Lamb Industry
February 15	Sheep Quality Assurance
Lab	Carcass Fabrication
February 20	Sheep Feedlot Nutrition
February 22	Functional Anatomy – Dr. Ruth Woiwode
Lab	The Butcher – Project Assignments
February 27	Wool
March 1	Range – Dr. Paul Meiman
Lab	Wool Fabrication
March 6	Scrapie Eradication
March 8	FIRST EXAM
March 13	Spring Break
March 15	Spring Break
March 20	Federal Lands and the Livestock Industry
March 22	USDA Germ Plasm Lab
Lab	USDA Germ Plasm - Market Basket Survey
March 27	Goat Industry
March 29	Simpson Farms
Lab	Simpson Farms Tour
April 3	State of American Sheep Industry
April 5	Harper Feedlots
Lab	JBS

April 10
April 12
Lab

Sheep Handling – Dr. Temple Grandin
USDA AG Marketing

April 17
April 19

Presentations
Presentations

April 24
April 26

Presentations
Presentations

May 1
May 3

Presentations – All lab reports Due
SECOND EXAM

ANEQ 472 Class Project 2017

Choose one sheep systems production scenario described below or create a production system that fits your needs or interests.

Production Systems

1. Feeder lamb/feedlot
2. Purebred/wool and ram production
3. Purebred/meat production
4. Wether/ewe/show sheep
5. Freezer lamb/commercial production
6. Mixed operation/purebreds/feeder lambs/show lambs
7. Total confinement

Must Include:

1. Business/marketing plan
2. Budget (numbers involved)
3. Implementation plan
4. Site/location
5. Facilities involved
6. Profit/loss evaluation
7. Genetic plan
8. Annual health plan

Maximum of two students per project or can be produced individually.

The last few lectures of ANEQ 472 will be dedicated to presentations of the projects. 12-15 minute presentations of the projects.

See Dr. LeValley if you have questions.