Instructor: Dr. Dale Holcombe, Room FA 232
Office Number 784-1314
Email: daleh@unr.edu

Office Hours: Wednesday, 9:30 – 11:00 a.m. and Friday, 10:00 a.m. – 11:30 p.m.
or by appointment

Lecture: Monday and Wednesday, 11:00 – 11:50 a.m., Room FA 109
Lab: Wednesday, 1:00 – 4:00 p.m.
(See attached schedule for locations.)

Prerequisites: AGSC 100, AGSC 310 or consent of instructor, VM 328

Text: No Text (Handouts will be given on different topics.)

Supplemental: Sheep Production Handbook, Sheep Industry Development Program

Course Objectives: Students in this course will apply the principles learned from the core courses in Animal Sciences curriculum to successful management of sheep. The course topics will include: breeding and selection, nutrition, feeding and grazing systems, reproduction, health, and management. Discussion of these factors will be directed towards optimum lamb production for both range and farm flocks. Laboratories will emphasize managerial skills and techniques with hands-on exercises in which students will learn to implement various topics related to sheep management. Application of knowledge gained throughout the class will be used for students to develop a sheep enterprise plan with an emphasis on meat, wool or dairy production. This project will require students to synthesis material taught in class and lab along with an intensive research component to develop their own business plan.

Student Learning Outcomes:
Students will be able to:

1) Describe different sheep management systems and marketing strategies used in the Western United States.

2) Demonstrate application of managerial skills and production tools and techniques through both laboratory exercises and the required 2-day lambing experiential activity.
3) Apply knowledge from Livestock Production (AGSC 100), Nutrition (AGSC 206/406), Anatomy and Physiology (VM 328), genetics, diseases, and management and business principles to solve problems associated with a sheep operation.

4) Communicate management decisions and enterprise business plan orally to their peers and invited guests in a professional manner.

Silver Core Objective 14: Application
Students will be able to demonstrate their knowledge and skills developed in previous Core and major classes by completing a project or structured experience of practical significance.

Learning Outcomes and Measurements for Silver Core Objective 14

<table>
<thead>
<tr>
<th>Expected Learning Outcomes:</th>
<th>Learning Outcome Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply knowledge from Livestock Production (AGSC 100), Nutrition (AGSC 206/406), Anatomy and Physiology (VM 328), genetics, diseases, and management and business principles to solve problems associated with a sheep operation.</td>
<td>Business Plan (Part 1 and 2).</td>
</tr>
<tr>
<td>Communicate management decisions and enterprise business plan orally to their peers and invited guests</td>
<td>Final Enterprise Project presentation</td>
</tr>
</tbody>
</table>
Outline of Topics

**Breeding and Selection**
- Genetic Improvement Principles
- Principles of Mating Systems
- U.S. Breeds of Sheep
- Tools of Genetic Improvement
- Major Genes for Important Traits

**Handling and Facilities**
- Why Good Handling and Facilities are Important
- Determining What Facilities are needed
- Sheep Behavior and Handling
- Guarding and Working Dogs

**Wool**
- Biological Development of the Wool Fiber
- Value Determining Characteristics of Wool
- Wool Improvement, Contamination, Marketing

**Nutrition**
- Nutritive Needs of Sheep
- Feed Additives
- Nutritional Management – Ewe Flock, Ram, Lamb
- Intensively-Managed Grazing Systems

**Forages**
- Grazing systems

**Management**
- Ewe Management Before, During and After Lambing
- Lamb Care and Management

**Marketing**
- Different aspects of marketing sheep

**Health**
- Basic Principles of Health Maintenance
- Common Flock Health and Disease Problems

**Reproduction**
- Mothering Instinct
- Factors Influencing Performance
- Breeding Soundness Examination
- Factors Affecting Functional Reproduction in Males
- Semen Collection and Evaluation
- Hormonal Control of Reproduction

**Sheep Farm Management/Business Plan**
- Sheep management systems in the US
- Management Strategies
- Business Goal Setting
- Developing a business mission statement
- Determining your consumer and resources
- Farm/ranch financing options
Student Responsibilities:

1. The Students in ANSC 410 are urged to actively participate in lectures and are required to actively participate and attend all laboratories.

   - For several labs, students will receive a lab quiz that students will take at the start of lab that covers handouts given for the specific laboratory activity. They will be worth 10 pts. each. The handouts will are found in the packet that was given the first day of class. For other labs, students will be given a worksheet that must be filled out and turned in at the end of lab. Each lab worksheet will be worth 10 points.

   - Should you miss any labs; 10 points per lab will be deducted from your total points along with the points that may come for the Lab Worksheet or quiz. If a student misses lab due to an illness or a prearranged school function the professor needs to be notified before the lab. Arrangements to make up the lab must be made with the professor before or within two days after missing the lab. No exceptions.

2. Assigned Days for Lambing Duties

   - During the spring lambing season (March 26, 2015 through April 23, 2015), students will select two days in which they will be responsible for taking care of the lambing duties for the University’s sheep flock. The responsibilities will be discussed in more details later during the semester.

3. Enterprise Project Description:

   - Each student will create a business plan for a sheep farm venture based on one of the three general business areas (Meat, Dairy, Wool and/or by-products from the three business areas). Each student will need to turn in a one page description of the sheep business they have selected by February 18th. In that one page description the name of business should be given and a general description of the sheep business defined. This plan will be due in two written parts along with a presentation. Students will need to research the type of business they will be operating. Each student will be required to interview an owner/manager of a similar business in order to collect accurate data for the selected business (via phone or email). A summary of that interview should be attached to the final business plan. The name and contact information of the person interviewed along with a one page synopsis of what was discussed with the individual interviewed should be included in Part1 of the plan. The written business plan will need to include the following items:
1) Enterprise Project Plan Outline

Part I: Due March 11, 2015

- Mission Statement – 5 pts.
- Goals – 10 pts.
- Business details (size, location, product(s), customer, distribution) – 10 pts.
- Pricing and revenue estimates – 10 pts.
- Marketing information – 5 pts.
- Business individual interviewed/contact information and one page synopsis – 10 pts.

**Total Points for Part I: 50 points**

Part II: Due April 15 or 22, 2015 depending on presentation date

- All sections of Part I revised – 5 pts.
- Business expenses (ex: feed cost, equipment, land cost, vet care, etc.) – 15 pts.
- Enterprise budget - 30 pts.
  - Cost and Returns
  - Investment Summary
  - Cash flow budget

**Total Points for Part II: 50 points**

2) PowerPoint Presentation of Enterprise Project: Dates April 15 or 22, 2015

**Total Points for Presentation: 100 points**

**Total Points of project and presentation = 200 pts.**

Grading:

**Lecture Quizzes/Lab Quizzes/Homework Assignments:**

Quizzes may be given at the beginning of class (11:00 am), so be on time. Each quiz will cover lectures and readings from the previous 3 or 4 lectures. Homework assignments may also be given based on required readings and will need to be turned in the beginning of class. Quizzes also will be given on reading assignments for laboratory exercises. **If a student is late or misses class, unless due to some emergency, the quiz/homework cannot be made up and the student will receive a zero. If an emergency does occur, the professor must be notified before class.**

**Exams:**

Exam material will cover lecture notes and laboratory activities. Exams must be taken at the assigned time. **If an emergency should occur the professor must be notified before test time or the student received a zero.**
GRADING: Two exams at 100 pts. Each = 200 pts.
Lab/lecture quizzes, worksheet, other assignments (estimate) = 50 pts.
Enterprise Project = 100 pts.
Enterprise Project Presentation = 100 pts.
Lambing duties – 25 pts./day = 50 pts.
Total = 500 pts.

Final Exam (Comprehensive) = 100 pts.
Total = 600 pts.

GRADING: A = 90%
B = 80%
C = 70%
D = 60%
F = <60%

Statement on Audio and Video Recording:
“Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may be given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.”

Academic Integrity:
Cheating, plagiarism, or otherwise obtaining grades under false pretenses is a federal offense. Students are expected to adhere to the ethical code as described in the UNR Student Handbook. This code specifies that with enrollment an individual commits to the principles embodied in the code. Academic dishonesty in any form is not acceptable. In the event of an academic dishonesty issue, the procedures for addressing the issue are outlined in the university’s “Academic Dishonesty Procedures”. If caught, you may be asked to leave the University and will not be able to return. Use of a cell phone, PDA, or other instant messaging communication device to share answers during an examination will be considered cheating and all participants will be subject to appropriate discipline. It is not worth it, so study for those quizzes and exams. (See http://catalog.unr.edu/content.php?catoid=8&navoid=1989 for current catalog code and policies)

Accessibility Statement:
The instructor needs to be made aware of any physical or learning disabilities a student may have at the beginning of the semester in case some type of accommodations are needed for the class. American Disabilities Act: “Qualified students with physical or documented learning disabilities have the right to free accommodations to ensure equal access to educational opportunities at the University of Nevada, Reno.” For assistance, contact the Disability Resource Center: 784-6000.
<table>
<thead>
<tr>
<th>DAY</th>
<th>DATE</th>
<th>LECTURE/LAB</th>
<th>TOPIC</th>
<th>Lab Quiz/Assignments/ Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wed</td>
<td>Jan 21</td>
<td>Lecture</td>
<td>Class Schedule/Expectations</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Jan 21</td>
<td>Lab</td>
<td>Breeding and Selection Lecture/Q-Fever – Animal Safety (Dr. Walt Mandeville) Classroom (AE 004)</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Jan 26</td>
<td>Lecture</td>
<td>Breeding and Selection</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Jan 28</td>
<td>Lecture</td>
<td>Breeding and Selection</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Jan 28</td>
<td>Lab</td>
<td>Sheep Barn/Sheep Handling and Facilities/Sharps Handling and Safety (Dr. Walt Mandeville)</td>
<td>Lab assignment (10 pts.)</td>
</tr>
<tr>
<td>Mon</td>
<td>Feb 2</td>
<td>Lecture</td>
<td>Handling and Facilities</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 4</td>
<td>Lecture</td>
<td>Handling and Facilities</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 4</td>
<td>Lab</td>
<td>Sheep Barn/Pregnancy diagnosis</td>
<td>Lab Quiz (1) over lab handouts (10 pts.)</td>
</tr>
<tr>
<td>Mon</td>
<td>Feb 9</td>
<td>Lecture</td>
<td>Enterprise Business Plan</td>
<td>Read book chapters 1 and 2 handouts)</td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 10</td>
<td>Lecture</td>
<td>Enterprise Business Plan (Drawing of type of enterprise project for each student group – Meat, Dairy or Wool emphasis). Students will need to know who their partner will be before drawing.</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 10</td>
<td>Lab</td>
<td>Classroom/(AE 004) - Review an example of an Sheep Enterprise Business Plan will be discussed/Animal Selection</td>
<td>In class lab assignment (10 pts.)</td>
</tr>
<tr>
<td>Mon</td>
<td>Feb 16</td>
<td>Lecture</td>
<td>President’s Day – no class</td>
<td></td>
</tr>
<tr>
<td>Day</td>
<td>Date</td>
<td>Type</td>
<td>Content</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>---------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 18</td>
<td>Lecture</td>
<td>Wool</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>One paragraph description of your sheep enterprise plan with mission statement is due</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 19</td>
<td>Lab</td>
<td>Sheep Barn/Vaccinate, deworm, trim feet and weigh sheep</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Feb 23</td>
<td>Lecture</td>
<td>Wool</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 25</td>
<td>Lecture</td>
<td>Nutrition</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Feb 25</td>
<td>Lab</td>
<td>Meat Plant/Lamb carcass evaluation/learn wholesale and retail cuts commonly used for lamb – Mike Holcomb</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Mar  2</td>
<td>Lecture</td>
<td>Nutrition</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Mar  4</td>
<td>Lecture</td>
<td>Shearing – meet at sheep barn</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Mar  4</td>
<td>Lab</td>
<td>Sheep Barn - Wool</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sheep Shearing</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note: Shearing may take place Saturday March 7th instead of Wednesday</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Mar  9</td>
<td>Lecture</td>
<td>EXAM 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100 pts.</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Mar 11</td>
<td>Lecture</td>
<td>Forages</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Part I of Enterprise Plan Due</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Mar 11</td>
<td>Lab</td>
<td>Classroom (AE 004) Work on enterprise spreadsheets for Enterprise project - bring laptop to lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spring Break (Mar 14-22)</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Mar 23</td>
<td>Lecture</td>
<td>Forages</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Mar 25</td>
<td>Lecture</td>
<td>Ewe/Lamb Management</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Mar 25</td>
<td>Lab</td>
<td>Sheep Barn/Lamming duties</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Mar 30</td>
<td>Lecture</td>
<td>Ewe/Lamb Management</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr  1</td>
<td>Lecture</td>
<td>Ewe/Lamb Management</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Month</td>
<td>Type</td>
<td>Topic</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>--------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lab</td>
<td>Sheep Barn/ Body Condition Scoring/Conformation evaluation/Fleece evaluation</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Apr</td>
<td>Lecture</td>
<td>Ewe/Lamb Management</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lecture</td>
<td>Marketing</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lab</td>
<td>Sheep Enterprise Presentations (Part II of Enterprise Plan due for all presenters)</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Apr</td>
<td>Lecture</td>
<td>Marketing/Sheep Health</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lecture</td>
<td>Sheep Health/Disease</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lab</td>
<td>Sheep Enterprise Presentations (Part II of Enterprise Plan due for all presenters)</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Apr</td>
<td>Lecture</td>
<td>Sheep Health/Disease</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lecture</td>
<td>Sheep Health/Reproduction</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lab</td>
<td>Sheep Enterprise Presentations (Part II of Enterprise Plan due for all presenters)</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>Apr</td>
<td>Lecture</td>
<td>Reproduction</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lecture</td>
<td>EXAM II 100 pts.</td>
<td></td>
</tr>
<tr>
<td>Wed</td>
<td>Apr</td>
<td>Lab</td>
<td>Sheep Barn/vaccinate and castrate lambs/check for mastitis problem (Dr. Walt Mandeville)</td>
<td></td>
</tr>
<tr>
<td>Mon</td>
<td>May</td>
<td></td>
<td>Go over Exam II and discuss Final Exam</td>
<td></td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>To be announced</td>
<td>Final Exam (Comprehensive) 100 pts.</td>
<td></td>
</tr>
</tbody>
</table>
Judging Criteria for Sheep Enterprise Project Presentation

Individual or group presentations requirements:

Your Sheep Enterprise Project presentation should be approximately 15-20 minutes with 5 minutes of questions (total time allotted is 25 minutes per Enterprise project). The presentation should be given as if your group is going to the bank to ask for a loan to start your business. I realize a few of you may be independently wealthy but assume you must go get a loan at your bank anyway. General information that needs to be in the presentation would include but is not limited to the following: Name of company and owners, enterprise location, detailed information of upfront costs of land, animals, equipment, etc, income details, marketing strategies and five year goals for the business.

1) Your group will need to give your presentation using PowerPoint from a CD or Flash drive.

2) DO NOT read directly from a fully prepared text. Limited notes are okay.

3) Dress appropriately and in a professional manner for your group presentation.

Grading:

Content (60 pts.)

(30 points) Presentation Development is the way the speaker puts ideas together so the audience can understand them. The presentation is structured around a purpose, and this structure must include an opening, body, and conclusion. A good presentation immediately engages the audience's attention and then moves forward toward a significant conclusion. This development of the presentation structure is supported by relevant examples and illustrations, facts and figures, delivered with such smoothness that they blend into the framework of the presentation to present the audience with a unified whole. Correctness of language insures that attention will be directed toward what the speaker says, not how it is said. Proper use of grammar and correct pronunciation will show that the speaker is the master of the words being used.

(30 points) Effectiveness is measured in part by the audience's reception of the speech, but a large part is your subjective judgment of how the presentation came across. You should ask yourself such questions as "Was I able to determine the speaker's purpose?" "Did the presentation relate directly to that purpose?" "Was the audience's interest held by the speaker?" "Was this presentation subject appropriate for this particular audience?"

Delivery (30 pts.)

(20 points) Physical presentation carries part of the responsibility for effective communication. The speaker's appearance should reinforce the presentation, whether profound, sad, humorous, or instructional. Body language should support points through gestures, expressions, and body positioning.
(10 points) **Voice/Manner** is the sound that carries the message. It should be flexible, moving from one pitch level to another for emphasis, and should have a variety of rate and volume. A good voice can be clearly heard and the words easily understood. Manner is the indirect revelation of the speaker's real self as the presentation is delivered. The speaker should speak with enthusiasm and assurance, showing interest in the audience and confidence in their reactions.

(10 pts.)

**Miscellaneous** – Response to questions and time restraints
EWE AND LAMB MANAGEMENT PROCEDURES

Responsibility of groups:

1. The group is responsible for checking the ewes on three assigned days. The more often the ewes are checked the better. They should be checked at least four times a day with early morning and late evening being two of the times.

   - 6:00 a.m. (Both students)
   - 12:00 p.m. (Both students)
   - 4:30 - 5:30 p.m. (Both students)
   - 9:00 - 10:00 p.m. (Both students)

   Enter information in the diary each time you are at the barn. Read the diary upon entering the barn each time before checking the animals.

Note: Make sure students sign their own name in the diary. Do not sign for anyone else.

2. Ewe management before lambing:
   a. Two weeks to one month before lambing, inject the ewe with Clostridium perfringens types C + D - Tetanus toxoid, and deworm with Panacure (Safeguard) or Ivomec.

3. General cleaning procedures:
   a. Pens must be raked twice a day, each morning and evening. The barn will be washed once in the morning.

   b. It is the responsibility of the students in the class to feed the ewes alfalfa pellets in the morning. In the afternoon, alfalfa pellets and corn to the ewes with lambs.

   c. Any ewe that is placed in a small pen with her offspring(s) must have feed and water in front of her at all times. Please make sure that is the case each time a student checks the animals.

   d. All placentas must be picked up and accounted for. Make sure you remove them from the pens and place them in the appropriate garbage can. Write in a diary that placenta was disposed of for each ewe.
4. Ewe and lamb management following lambing:

a. After a ewe has lambed wait until a strong bond has occurred *(at least 6 hours)* with her offspring and then move her into a pen designated for ewes with lambs. The pen will be next to the pen she has lambed in. If a ewe will not mother her lambs or her lambs are cold, move her into an individual lambing pen (5x5 ft. pen). She will need to remain there for at least one day or longer depending on the ewe.

b. Once the ewe is moved into the lambing pen, weigh and ear tag her lambs. Write the ewe number on the back of each lamb's ear tag with a tag marker prior to tagging.

**Ear Tags (Blue or Green Tags)**

If the ewe was bred to a Suffolk ram her lamb(s) will receive a green ear tag. (Lambs will have black on them.)

If the ewe was bred to a Merino ram, her lamb(s) will receive a blue ear tag. (Lambs will be all white.)

**Location of ear tag:**

(1) Males = put in left ear.

(2) Females = put in right ear.

c. Spray or dip navel with iodine and inject 0.5 ml of BoSe (vitamin E + Selenium) subcutaneously under skin along the neck.

d. Turn heat lamp on if necessary (if lambs are cold) if ewe has been moved into lambing jug.

e. Write the lamb's weight, tag number and vigor of lamb in lambing book. Check off after lamb has been given BoSe. Also write the ewe's tag number, date and approximate time of lambing, dystocia rating, and maternal ability in lambing book. Also write down anything else that you do to the ewe and/or lamb(s).

(1) Write down the date the ewe lambed, the ear tag numbers of her lamb(s) and approximate time lamb(s) should be tail docked.
f. Make sure the lamb(s) have nursed. If it is too weak to nurse, feed with bottle or stomach tube the lamb(s) with 4 oz of ewe colostrum (milk the ewe). If the ewe has no milk, there is frozen colostrum in the refrigerator. Thaw colostrum in lukewarm water. *Do not microwave!!!*

g. Water and feed ewes in lambing jug. (Keep feed and water in front of ewes that are penned at all times.)

(1) **Ewe with single lamb:**
   - (a) Alfalfa pellets
   - (b) ad libitum

(2) **Ewe with twins or more:**
   - (a) Alfalfa pellets
   - (b) ad libitum
   - (c) 1/2 lb corn in the evening.

h. Dock lambs between 3 to 4 days of age.

**Mark off in diary that these procedures have been done**

4. Should the class end up with any orphan (bummer) lambs it is the students’ job to feed the lambs four times a day. They should be fed as soon as the students get to the barn.

**Times to feed lambs:**

6:00 a.m.
12:00 p.m.
5:00 p.m.
9:00 p.m.-10:00 p.m.

**Note:** Always write in diary if you have fed the bummer lambs and the amount fed so someone else does not feed them and they get fed twice.
The group of 2 students will decide between each other the way the above responsibilities will be carried out the morning they start their duties. They should also make the instructor (Jamie, Ashely or Dr. Holcombe) aware of when each student will be checking the sheep during the day.

"COMMUNICATE WITH EACH OTHER AND INSTRUCTORS IN CHARGE OF LAMBING"

TIMES TO CHECK

BE ON TIME OR POINTS WILL BE DEDUCTED

- 6:00 a.m. (Both students)
- 12:00 p.m. (Both students)
- 4:30 - 5:30 p.m. (Both students)
- 9:00 - 10:00 p.m. (Both students)

GRADING OF LAMBING DUTIES FOR TWO ASSIGNED DAYS

Total points for duties = 50 pts.

1. Each day is worth 25 pts.
   a. Points at the farm per day = a maximum of 20 pts.
   b. Points for participation per day (these points weigh heavily on your general overall attitude in carrying out your lambing responsibilities) = 5 pts.

2. Reasons points may be lost:
   a. If you are late = -3 pts. for first 5 minutes, no points after 10 minutes.
   b. Don’t show up at scheduled time = - 10 pts. per time
   c. Bad attitude such as (- 10 pts.):
      1. not doing as you are asked
      2. not taking initiative
      3. standing around talking while everyone else is working