

**ADVS 5080**  
**Beef Cattle Management**  
**Spring Semester, 2007**

**Tuesday and Thursday 9:00-10:15 a.m.**

**Instructor:** Randy Wiedmeier  
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Office: 256 Ag Sci  
Phone: 797-2151

**Office Hours:** If I'm in my office your welcome to come in. If not, make an appointment through Karma Wood, Ag Sci 228, 797-2145.

**Course Description:**

Describe the principles of the management of beef cattle enterprises for optimum financial returns through integrated resource and use and apply scientific techniques associated with breeding, nutrition, reproduction and animal health practices.

**Course Objectives:**

1. Learn management techniques and tools used in beef cattle management.
2. Study interactions among:
  - a. Animal science disciplines including nutrition, breed, reproduction, and health.
  - b. Sectors of the U.S. beef cattle industry.
  - c. Integrate knowledge to formulate management plans and solve practical problems.

**Text:** No text book is required. Required readings will be assigned from various sources. An excellent reference for those anticipating a career in the beef cattle industry is: Cow-Calf Management Guide – Cattle Producer's Library., 2<sup>nd</sup> Ed., Extension Service, University of Idaho, Moscow:

Agricultural Publications  
Attn: Connie  
University of Idaho  
Moscow ID 83844-2240  
Phone: (208) 885-7982

Another good source of up-to-date information in the website: <http://www.beefcowcalf.com/>

**Exams and Assignments:**

	<u>Points</u>	<u>% of Grade</u>
Midterm Exams, (2)	200	40
Final Exam	100	20
<u>Assignments (3-4)</u>	<u>200</u>	<u>40</u>
Total	500	100

**Grading (based on % of points earned):**

<u>Grade</u>	<u>% of Points Earned</u>
A	90-100
B+	87-89
B	80-86
C+	77-79
C	70-76
D	60-69
F	< 60

**Course Requirements/Expectations:**

- Questions on exams will be from lectures, assignments, and required readings. Questions will include multiple choice, true-false, short answer, and essay. Some questions will require synthesis and analysis.
- Make-up exams will be given only for appropriate reasons. If you know in advance that you will not be in attendance when the test is scheduled, you must discuss this with me before it is given. If you have an emergency, such as death or serious illness in the immediate family, let me know at the earliest possible time. The decision to give a make-up and form of the make-up exam will be my prerogative.
- Assignments will be based on computer exercises presented in lab. Handouts will be given during or immediately after each computer lab providing instructions for the assignment. Assignments will be due as indicated on the handout for the assignment and must be completed on time. To be fair to the students that get things done on time, points will be docked for being late at the rate of 5 points per class day that it is late.

**Disabilities Statement:**

The Americans with Disabilities Act states: “Reasonable accommodation will be provided for all persons with disabilities in order to ensure equal participation within the program.” If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center (797-2144), preferably during the first week of the course. Any request for special consideration relating to attendance, pedagogy, taking of examinations, etc., must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative format, large print, audio, diskette, or Braille.

**Academic Integrity – “The Honor System”:**

Each student has the right and duty to pursue his or her academic experience free of dishonesty. The Honor System is designed to establish the higher level of conduct expected and required of all Utah State University students.

The Honor Pledge: To enhance the learning environment of Utah State University and to develop student academic integrity, each student agrees to the following Honor Pledge: “I pledge, on my honor, to conduct myself with the foremost level of academic integrity.” A student who lives by the Honor Pledge is a student who does more than not chat, falsify, or plagiarize. A student who lives by the Honor Pledge:

- Espouses academic integrity as an underlying and essential principle of the Utah State University community;
- Understands that each act of academic dishonesty devalues every degree that is awarded by this institution; and
- Is a welcomed and valued member of Utah State University.

**Course Fees:**

Courses that utilize course fees are required to identify the amount of the course fees and explain the purpose of the course fees on the syllabus given to students. Course fee information not included on the syllabus will result in the course fee automatically being deleted. *The fee for this class is \$5.00. The purpose is to pay the costs for handouts provided in class.*

**Grievance Process (Student Code):**

Students who feel they have been unfairly treated (in matters other than (i) discipline or (ii) admission, residency, employment, traffic, and parking – which are addressed by procedures separate and independent from the Student Code) may file a grievance through the channels and procedures described in the Student Code: [http://studentlife.tsc.usu.edu/pdf/student\\_code.pdf](http://studentlife.tsc.usu.edu/pdf/student_code.pdf) (Article VII. Grievances, pages 25-30).

**Plagiarism:**

Plagiarism includes knowingly “representing, by paraphrase or direct quotation, the published or unpublished work of another person as one’s own in any academic exercise or activity without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.” The penalties for plagiarism are severe. They include warning or reprimand, grade adjustment, probation, suspension, expulsion, withholding of transcripts, denial or revocation of degrees, and referral to psychological counseling.

**Sexual Harassment:**

Sexual harassment is defined by the Affirmative Action/Equal Employment Opportunity Commission as any “unwelcomed sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature.” If you feel you are a victim of sexual harassment, you may talk to or file a complaint with the Affirmative Action/Equal Opportunity Office located in Old Main, Room 161, or call the AA/EEO Office at 797-1266.

## ADVS 5080 LECTURE OUTLINE

January	9	Tue.	Syllabus
	11	Thur.	Overview of U.S. Beef Cattle Industry
	16	Tue.	Overview of U.S. Beef Cattle Industry (cont.)
	18	Thur.	Future of the U.S. Beef Cattle Industry
	23	Tue.	Animal Identification, Integrated Animal Management Systems
	25	Thur.	Individual record keeping
	30	Tue.	Cow-Calf Management: Economics
February	1	Thur.	Cow-Calf management: Economics (cont.)
	6	Tue.	Alternatives for Marketing Calves
	8	Thur.	Cow Herd Management: Reproduction by Nutrition Interactions
	13	Tue.	<b>Test #1</b>
	15	Thur.	Cow Herd Nutritional Management: General Nutrition, Grazing Mgmt
	20	Tue.	<b>No class: go to Monday classes</b>
	22	Thur.	Cow Herd Nutritional Management: Supplements, Environmental Effects
	27	Tue.	Ration Analysis
March	1	Thur.	Cow Herd Breeding Mgmt: Genetic Improvement, Breeds/Bio. Types
	6	Tue.	Cow Herd Breeding Mgmt: Biol. Type by Environment Interaction
	8	Thur.	Cow Herd Management: Crossbreeding Programs
	13	Tue.	<b>Spring Break</b>
	15	Thur.	<b>Spring Break</b>
	20	Tue.	Bull Management: Genetic Selection
	22	Thur.	Bull Management: Nutrition, Reproduction
	27	Tue.	Cow Herd Reproductive Management: AI, Estrus Synchronization
	29	Thur.	<b>Test #2</b>
April	3	Tue.	Replacement Heifers: Selection, Nutrition, Growth, Puberty
	5	Thur.	Replacement Heifers: Reproductive Mgmt., 1 <sup>st</sup> Calf, Dystocia
	10	Tue.	<b>Computer Lab:</b> Performance Records
	12	Thur.	Suckling Calves: Implants, Creep Feeding, Weaning Management
	17	Tue.	Cow Herd Health Programs
	19	Thur.	Feedlot Industry Overview
	24	Tue.	Feedlot Management
	26	Thur.	Alternative Calving Seasons
May	3	Tue.	<b>Final Exam: 9:30-11:20 a.m.</b>

## ADVS 5080 STUDENT SURVEY

1. Name:
  
2. Major:
  
3. If you are an Animal Science major, which two of the five, 5000-level animal management classes are you taking? Indicate which by ranking them in the order of your preference/choice/desire:

<b>Rank</b>	<b>Class</b>
	Beef Cattle Management
	Sheep and Wool Management
	Dairy Cattle Management
	Swine Management
	Horse Management

4. List reasons for choosing this class as one of the animal management classes you are taking.

5. Classes taken (check appropriate boxes):

<b>Completed</b>	<b>Currently Enrolled</b>	<b>Course</b>
		ADVS 2080 Beef Production Practices
		ADVS 3000 Animal Health and Hygiene
		ADVS 3500 Principles of Animal Nutrition
		ADVS 3510 Applied Animal Nutrition
		ADVS 4200 Principles of Reproduction
		ADVS 4560 Principles of Breeding

6. Topics you are most interested in: