ANSC 314
Animal Breeding
Spring 2013

Instructor: Ms. Samantha (Sam) Cunningham, Assistant Professor
B12 Knoblauch Hall
Office Phone: 298-1288
Email: s-cunningham@wiu.edu
Office Hours: M & W 3 to 4, T 9 to 11, or by appointment

Class Time:

Lecture: M, W, F 9 to 9:50pm in 305 Knoblauch Hall

Recommended Text:

Understanding Animal Breeding, 2nd ed. 2000. R.M. Bourdon. Prentice Hall, Inc.

Additional Course Materials:

Any additional course materials may also be found online on Western Online: www.westernonline.wiu.edu

Other Requirements: Basic calculator

Prerequisite: ANSC 112; AGRI 376; BOT 200 or ZOOL 200; and MATH 103 or 123 or STAT 171

Course Description:

Application of genetics to livestock production

Course Objective:

To understand the principles of animal breeding and genetics and how to apply them to increase the efficiency of farm animal production

Attendance:

Attendance and participation are important components of this course and are crucial for learning. Attendance is expected and will be monitored at each class meeting. Students having 2 or fewer unexcused absences will be eligible for a curve at the end of the semester. *Students having 6 or more unexcused absences will have their final course grade reduced by a letter grade at the end of the semester.*

If you anticipate an excused absence, notify me in advance, prior to an exam, quiz, or homework due date, for example. Accepted excuses would include university related activities/events personal health with a written excuse from a faculty advisor or a doctor's note. All other excuses will be handled at the discretion of the instructor. The student is responsible for any missed information and/or class material, as well as making arrangements for making up any missed work.

ADA Compliance:

In accordance with University policy and the Americans with Disabilities Act (ADA), accommodations in the area of test and note-taking may be made for any student who notifies the instructor of the need for accommodation. It is imperative that you take the initiative to bring such needs to my attention, as I am legally not permitted to inquire about the particular needs of students. Furthermore, I would like also to request that students who may require special assistance in emergency evacuations contact me as to the most appropriate procedures to follow in such an emergency.

Academic Dishonesty:

Any violation of the Academic Dishonesty Policy in Student Handbook (http://www.wiu.edu/provost/students/) will result in an automatic failure in the course. Cheating will not be tolerated.

Attention Education Majors:

The changes within the state certification requirements, which go into effect immediately for all of those students who graduate in the spring 2012 and after, you are required to receive a grade of a "C" or better in this course in order to meet these new requirements. With the new university +/- grading system, receiving a "C-" or below will require you to retake this course or find a substitute course to meet School of Agriculture graduation requirements.

Class conduct:

Asking of questions and discussion of relevant information in and outside class is highly encouraged; however, talking to neighbors, texting, sleeping, or studying for other courses during class time will not be tolerated. Come to class ready for discussions (you will be called upon).

NO CELL PHONES. If you have a cell phone that rings during class, you will automatically receive an unexcused absence for that class meeting. If you have an emergency situation where you need to have a cell phone on during class, let me know ahead of time. Cell phones, blackberries, iPhones, or other electronic communication devices with built-in calculators cannot be used for exams and will not be tolerated; only actual calculators will be allowed.

Course Grade:

3 Hour Exams	45%
Final Exam	20%
Homework	35%

Homework and Quizzes:

Late assignments will not be tolerated. Take home assignments are generally due one week from the date assigned unless otherwise specified. If they are turned in one to seven days after the due date, the student will receive an automatic 25 point discount. Assignments turned in over 7 days late WILL NOT be accepted, and the resulting grade will be “0”. Students with excused absences will be allowed to make up homework assignments within these same guidelines with modified due dates.

There will be approximately 8-10 homework assignments.

Exam Dates:

Exam I	Friday, February 22
Exam II	Friday, April 5
Exam III	Wednesday, May 1
Final Exam	Wednesday, May 8 at 8 am

**NOTE: All exam dates (excluding the final) are tentative.

Grading Scale:

90 to 100	A
87 to 89	B+
82 to 86	B
80 to 81	B-
77 to 79	C+
72 to 76	C
70 to 71	C-
67 to 79	D+
62 to 66	D
60 to 61	D-
$\leq$ 59	F

Students with an "A" in the course (and fewer than 2 unexcused absences) may choose not to take the final exam.

*****INFORMATION PROVIDED IN THIS SYLLABUS IS SUBJECT TO CHANGE*****

TENTATIVE Course Schedule

Introduction	*Jan 14*
Structure of the livestock industry	*Jan 16*
Breeds of livestock	*Jan 18, 23*
Basics of genetics	*Jan 25, 28*
Qualitative selection	*Jan 30, Feb 1, 4, 6, 8, 11, 13, 15, 18*
EXAM 1 Review	*Feb 20*
EXAM 1	*Feb 22*
Genetic relationship	*Feb 25, 27, Mar 1, 4, 6, 8, 18*
Quantitative selection	*Mar 20, 22, 25, 27, 29, Apr 1, 3*
EXAM 2	*Apr 5*
Breeding systems and the utilization of Breeds	*Apr 8, 10, 12, 15, 17, 19, 22, 24*
Misc	*Apr 24, 26, 29*
EXAM 3	*May 1*
Speaker, TBA	*May 3*
FINAL EXAM	*May 8 @ 8 am*