



South Central College

## **ANSC 1200 Livestock Lab**

### **Course Outcome Summary**

#### **Course Information**

<b>Description</b>	The course is designed to teach the fundamental principles of livestock genetics in a practical manner. The course deals with the physiology of reproduction and application of genetics for improvement of the livestock herd. Livestock selection materials and methods of live animal and carcass evaluation will be conducted. Subjective and objective evaluation methods and measurements will be included.
<b>Total Credits</b>	2
<b>Total Hours</b>	48

#### **Types of Instruction**

##### **Instruction Type**

##### **Credits/Hours**

Classroom Presentation

On Campus Laboratory and Clinicals

#### **Institutional Core Competencies**

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

#### **Course Competencies**

1. **Identify genetic terms**
2. **Identify cell parts**
3. **Define cell part functions**
4. **Describe chromosomes**
5. **Describe DNA**
6. **Explain DNA Function**
7. **Analyze gene function control**
8. **Define virus functions**
9. **Define Mutations**
10. **Describe Inheritance**

11. **Analyze Genetic Correlations**
12. **Define livestock mating systems**
13. **Describe Male and Female reproductive anatomy and functions**
14. **Identify heat detection techniques**
15. **Describe major hormones associated with livestock reproduction**
16. **Identify live animal evaluation terms**
17. **Identify carcass specie parts**
18. **Calculate breeding animals EPD's**
19. **Describe general animal processing techniques**

#### **SCC Accessibility Statement**

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: [www.southcentral.edu/disability](http://www.southcentral.edu/disability)

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.