

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. LWMP

COURSE NUMBER: 1101

NUMBER OF CREDITS: Lecture: 0 Lab: 0 OJT 0 All Management

Course Title:
Sheep Genetic Concepts

Catalog Description:
Sheep genetic concepts is a study of basic genetic concepts; genetic improvement principles, breeds of sheep and inherited traits or defects. Students will also become familiar with developing mating systems to maximize the benefits of genetic principles.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S)

Goal 1: Communication: ____ by meeting the following competencies:

Goal 2: Critical Thinking: ____ by meeting the following competencies:

Goal 3: Natural Sciences: ____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning: ____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences: ____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts: ____ by meeting the following competencies:

Goal 7: Human Diversity: ____ by meeting the following competencies:

Goal 8: Global Perspective: ____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility: ____ by meeting the following competencies:

Goal 10: People and the Environment: ____ by meeting the following competencies:

Topics to be Covered
• Genetic concepts
• Mating systems
• Estimating genetic value
• Domestic breeds of sheep
• Economically important traits
• Genetic defects

Student Learning Outcomes
1. Describe methods of estimating genetic value.
2. Determine the value of economically important genes.
3. Describe common genetic defects.
4. Identify common crossbreeding systems.
5. Discuss principles of mating systems.
6. Explain genetic improvement principles.
7. Identify domestic breeds of sheep.
8. Describe basic genetic concepts.

Is this course part of a transfer pathway: Yes ☐ No ☒

Revised Date: 8/2020