DEPT. LWMP  COURSE NUMBER:  2101

NUMBER OF CREDITS:  2  Lecture:  0  Lab:  0  OJT All Management

Course Title:  Developing a Genetic Improvement Plan

Catalog Description:  This course describes the fundamental concepts of sheep genetics that are helpful in planning an effective selection and breeding program.

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

- Monitoring genetic progress for desired traits
- Genetic improvement plans
- Breeding strengths and weaknesses
- Effect of cross-breeding
- Production records
- Selection programs

# Student Learning Outcomes

2. Design a flock specific genetic improvement plan.
3. Identify breeds that are strong for traits desired.
4. Describe cross-breeding’s effect on selection.
5. Describe types of production records.
6. Identify traits that are economically important.
7. Identify types of selection programs.
8. Explain selections importance in genetic improvement.

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

Revised Date: 7/2020