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:  2101

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

Course Title:
Developing a Genetic Improvement Plan

Catalog Description:
Developing a genetic improvement plan that 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