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: 2152

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

<table>
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<tr>
<th>Course Title:</th>
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<tr>
<td>Special Topics - Genetics</td>
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Catalog Description:
Special topics – genetics enables study and application of planning, implementing, and monitoring genetic improvement and selection programs for sheep. Exact subject matter will vary depending on student need.

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

- Evaluating, refining flock genetics, and selection programs.

### Student Learning Outcomes

1. Analyze genetic management program implications.
2. Evaluate specific flock selection program concerns.
3. Identify methods to address genetic concerns.
4. Identify methods to address selection concerns.
5. Compare cost versus effectiveness of various methods.
6. Evaluate specific flock genetic program concerns.
7. Identify appropriate selection program.
8. Implement revised plan.
10. Analyze genetic management program solutions.
11. Analyze selection management program solutions.
12. Develop revised genetic program based upon implications.
13. Develop revised selection program based upon implications.
14. Develop revised genetic program based upon solutions.
15. Develop revised selection program based upon solutions.
16. Identify appropriate genetic program.

### Is this course part of a transfer pathway?

- Yes [ ]
- No [x]

Revised Date: 7/2020