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. AGRI COURSE NUMBER: 1101**

**NUMBER OF CREDITS:**  3  **Lecture:**  2  **Lab:**  1  **OJT**  0

<table>
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<tr>
<th><strong>Course Title:</strong></th>
<th>Introduction to Animal Science</th>
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<th><strong>Catalog Description:</strong></th>
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<td>Provides students an introduction to animal science with an emphasis on the fundamental concepts of physiology, nutrition, animal breeding and management as applied to beef cattle, dairy cattle, poultry, sheep and swine production.</td>
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<th><strong>Prerequisites or Necessary Entry Skills/Knowledge:</strong></th>
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**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**
### Student Learning Outcomes

- Explain the role of animal agriculture in the U.S. and global economies.
- Describe the global distribution of livestock.
- Explain the nutritive value of animal food products and trends in consumption.
- Classify the market classes and grades of livestock.
- Differentiate the breeds of livestock and importance of genetics in livestock improvement.
- Explain nutrient requirements for various livestock operations and classify feedstuffs.
- Identify the primary male and female reproductive structures and their functions.
- Describe the structures and functions of monogastric and ruminant digestive systems.
- Describe the approaches of animal health and role of quality assurance in livestock production.

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

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Revised Date: 7/15/2020