Course Title – Introduction to Animal Science

Course Prefix and Number – AGRI 1319

Department - Agriculture
Division – Math & Science

Course Type: (check one)
☑ Academic General Education Course (from ACGM – but not in WCJC Core)
☐ Academic WCJC Core Course
☐ WECM course (This course is a Special Topics or Unique Needs Course: Y ☐ or N ☐)

Semester Credit Hours #: Lecture hours #: Lab/other hours # 3:2:2

Equated Pay hours for course – 3 equated pay hours per course

Course Catalog Description – Scientific animal agriculture. Importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of beef cattle, swine, sheep, goats, and horses.

Prerequisites/Co requisites - None

Prepared by Sean Amestoy

Reviewed by department head Gene Bahnsen

Accuracy verified by Division Chair Kevin Dees

Approved by Dean of Vocational Instruction or Vice President of Instruction Leigh Ann Collins

Date 11-22-11
Date 11-22-11
Date 1/22/2011
Date 11-9-12
I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

Topical Outline

Relationships between domestic animals and man.
Beef cattle – breeds, reproduction, feeding, management, and marketing.
Dairy cattle – breeds, milking process, reproduction, management, feeding, and marketing.
Horses – breeds, reproduction, feeding, management, diseases, and parasites.
Swine – breeds, reproduction, feeding, management, diseases, and parasites.
Sheep – breeds, reproduction, feeding and management.

Laboratory:

1. Animal identification – cattle, horses, swine, sheep
2. Worming
3. Vaccination
4. Ear tagging
5. Evaluation
6. Reproduction system
7. Feeding

II. Course Learning Outcomes

<table>
<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
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<tr>
<td>Students will:</td>
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<tr>
<td>1. Identify major livestock breeds.</td>
<td>1. Lecture, exams, and assignments</td>
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<td>2. Describe the parts of the reproductive system and their functions.</td>
<td>2. Lecture, exams, and assignments</td>
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<td>3. Specify the estrous cycles, estrus periods, and gestation periods for the various livestock species.</td>
<td>3. Lecture, exams, and assignments</td>
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<td>4. Describe the parts of the digestive system and their functions.</td>
<td>4. Lecture, exams, and assignments</td>
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<td>5. Devise feeding programs to meet nutritional needs for various livestock.</td>
<td>5. Lecture, exams, and assignments</td>
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<td>6. Describe major diseases and parasites common to each livestock species included in the course as well as treatments and preventions.</td>
<td>6. Lecture, exams, and assignments</td>
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<td>7. Select livestock for slaughter and breeding purposes.</td>
<td>7. Lecture, exams, and assignments</td>
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<td>Present oral reports demonstrating proper animal handling procedures.</td>
<td>8. Lecture, exams, and assignments</td>
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III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.


IV. Suggested Course Maximum - 24

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

The lecture room should include sufficient dry erase (or chalk) board for notes and illustrations, a computer with internet access and overhead computer projector (for instructor’s use) and a traditional overhead projector.

Laboratory classroom required.

VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course

Students are required to read the textbook chapters assigned to them. Throughout the semester, the students have 4 major lecture exams, attendance/participation, several quizzes, and assignments, and an insect collection.

Evaluative Procedures:
Lecture grade makes up 2/3 of the final grade.
Lab grade makes up 1/3 of the final grade.
Lecture grade is determined by 4 major exams and class attendance/participation, each counting for 1/5 of the total lecture grade.
Lab grade is determined by participation and satisfactory completion of lab assignments.

The grade classifications as outlined in the College Catalog are employed:

A – 90 – 100% Excellent
B – 80 – 89% Good
C – 70 – 79% Average
D – 60 – 69% Poor
F – Below 60% Failure
W – Withdrawn

VII. Curriculum Checklist

- Academic General Education Course (from ACGM – but not in WCJC Core)
  No additional documentation needed

- Academic WCJC Core Course
  Attach the Core Curriculum Checklist, including the following:
  • Basic Intellectual Competencies
  • Perspectives
  • Exemplary Educational Objectives

- WECM Courses
  If needed, revise the Program SCANS Matrix & Competencies Checklist.