



Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

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.

List Lab/ Other Hours
Lab Hours 2
Clinical Hours
Practicum Hours
Other (list)

Prerequisites/Co requisites - None

Prepared by Sean Amestoy

Date 11-22-11

Reviewed by department head Gene Bahnsen

Date 11-22-11

Accuracy verified by Division Chair Kevin Dees

Date 11/22/2011

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

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

Course Learning Outcome	Method of Assessment
<p>Students will:</p> <ol style="list-style-type: none"> 1. Identify major livestock breeds. 2. Describe the parts of the reproductive system and their functions. 3. Specify the estrous cycles, estrus periods, and gestation periods for the various livestock species. 4. Describe the parts of the digestive system and their functions. 5. Devise feeding programs to meet nutritional needs for various livestock. 6. Describe major diseases and parasites common to each livestock species included in the course as well as treatments and preventions. 7. Select livestock for slaughter and breeding purposes. <p>Present oral reports demonstrating proper animal handling procedures.</p>	<ol style="list-style-type: none"> 1. Lecture, exams, and assignments 2. Lecture, exams, and assignments 3. Lecture, exams, and assignments 4. Lecture, exams, and assignments 5. Lecture, exams, and assignments 6. Lecture, exams, and assignments 7. Lecture, exams, and assignments 8. Lecture, exams, and assignments

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

The Science of Animal Husbandry, Sixth edition. James Blakely and David Bade. Reston Publishing.

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.