COURSE OUTLINE

VSCT 103 – INTRODUCTION TO ANIMAL AGRICULTURE

Prepared By: Mary O’Horo Loomis, DVM
A. **TITLE:** Introduction to Animal Agriculture

B. **COURSE NUMBER:** VSCT 103

C. **CREDIT HOURS:** 2

D. **WRITING INTENSIVE COURSE:** No

E. **COURSE LENGTH:** 15 Weeks

F. **SEMIESTER(S) OFFERED:** Fall & Spring

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
   2 lecture hours per week

H. **CATALOG DESCRIPTION:** An introductory course designed to familiarize the student with the use of animals to produce food, fiber, or profit. Beef cattle, dairy cattle, horses, sheep, swine, goats, and other animals will be discussed. The intent of this course is to provide the student with insight as to the functions and needs of the animal owner/producer. Common production schemes, terminology, and animal breeds will be addressed.

I. **PRE-REQUISITES/CO-REQUISITES:** none

J. **GOALS (STUDENT LEARNING OUTCOMES):**
   By the end of this course, the student will be able to:

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<th>Course Objective</th>
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<tr>
<td>1. Identify different breeds of commonly farmed animals.</td>
<td>3. Prof. Competence</td>
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<td>2. Discuss commonly used management schemes of agricultural animal operations.</td>
<td>3. Prof. Competence</td>
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<td>3. Define common terminology used in livestock production.</td>
<td>3. Prof. Competence</td>
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<td>4. Demonstrate an understanding of the nutrition, reproduction and handling of commonly farmed animals.</td>
<td>3. Prof. Competence</td>
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K. **TEXTS:** Workbook for Introduction to Animal Agriculture, Mary O’Horo Loomis, DVM
L. **REFERENCES:** available from instructor upon request

M. **EQUIPMENT:** none

N. **GRADING METHOD:** A-F

O. **MEASUREMENT CRITERIA/METHODS:**
   - Exams
   - Quizzes

P. **DETAILED COURSE OUTLINE:**

   I. Trends in animal agriculture
      A. Worldwide
      B. United States
      C. New York

   II. Dairy Cattle
       1. Common terminology of the dairy industry
       2. Breeds of dairy cattle
       3. Topics in dairy selection and management: feeding, milking, reproduction

   III. Beef Cattle
       1. Common terminology of the beef industry
       2. Breeds of beef cattle
       3. Topics in beef selection and management: production schemes

   IV. Horses
       1. Common terminology of the horse industry
       2. Breeds of horses
       3. Topics in horse selection and management: reproduction, common diseases, commercial use

   V. Sheep
       1. Common terminology of the sheep industry
       2. Breeds of sheep
       3. Topics in sheep selection and management: reproduction, wool, meat, milk

   VI. Goats
       1. Common terminology of the goat industry
       2. Breeds of goats
       3. Topics in goat selection and management: reproduction, fiber, milk, meat
VII. Swine

1. Common terminology of the swine industry
2. Breeds of pigs
3. Topics of selection and management: reproduction, production schemes

VIII. Current Issues in Agriculture:

IX. Other Animals Used in Agriculture:

1. Poultry
2. Llamas
3. Fallow deer/ Bison
4. Aquaculture
5. Apiculture