1. **COURSE TITLE\*:** Principles of Animal Science
2. **CATALOG – PREFIX/COURSE NUMBER/COURSE SECTION\*:** AGRI 1107
3. **PREREQUISITE(S)\*:** None **COREQUISITE(S)\*:** None
4. **COURSE TIME/LOCATION/MODALITY: (*Course Syllabus – Individual Instructor Specific*)**
5. **CREDIT HOURS\*:** 4 **LECTURE HOURS\*:** 3

**LABORATORY HOURS\*:** 1 (2 contact hours) **OBSERVATION HOURS\*:** 0

1. **FACULTY CONTACT INFORMATION: *(Course Syllabus – Individual Instructor Specific)***
2. **COURSE DESCRIPTION\*:**

An introductory course in animal sciences designed to provide students with a basic understanding of the biological principles and production practices used in animal production. Students will gain a basic understanding of anatomy, genetics, reproduction, nutrition, and behavior as they apply to domesticated animals. Students will also gain an appreciation for intensive and extensive production environments, resulting food and fiber products, and be familiar with the social issues such as animal welfare and environmental impacts.

1. **LEARNING OUTCOMES\*:**

At the completion of this course the student will be able to:

1. Understand historical trends associated with size and scale of animal production, marketing systems and their economic impact on the U.S. and global economy.
2. Recognize general equipment and understand general terminology used in the animal industry.
3. Identify common and alternate species and breeds used for food and fiber production and/or companionship and methods of identification.
4. Understand housing, animal handling, behavior, and common health & disease issues of various animal species.
5. Understand basic skeletal structure and growth patterns as they relate to the form and function of animals.
6. Understand basic principles and concepts of genetics and its application in animal selection.
7. Understand the basic differences in anatomy, physiology, and cycles associated with the reproductive systems among animal species.
8. Understand the basic differences in a) anatomy and physiology of digestive systems, b) nutrient categories, requirements, and c) feedstuffs.
9. Understand the nutritional, social, and economic values associated with food, fiber, and by-products of the animal industries.
10. Understand the social, recreational and economic impact of the companion animal industry.
11. Recognize legal and current social issues associated with animal production.
12. **ADOPTED TEXT(S)\*:**

*Modern Livestock and Poultry Production*

9th Edition

Frank Flanders/James R. Gillespie

Cengage

ISBN: 9781133283508

CCP Instructors at Lynchburg Clay Local School District may use:

*Exploring Animal Science*

1st Edition

Frank Flanders

Cengage, 2012

ISBN: 978-1-4354-3952-8

**9a: SUPPLEMENTAL TEXTS APPROVED BY FULL TIME DEPARTMENTAL FACULTY (INSTRUCTOR MUST NOTIFY THE BOOKSTORE BEFORE THE TEXTBOOK ORDERING DEADLINE DATE PRIOR TO ADOPTION) \*\*\*.**

1. **OTHER REQUIRED MATERIALS: (SEE APPENDIX C FOR TECHNOLOGY REQUEST FORM.)\*\***

Other resources may be required as the term progresses and will be announced or given in class

1. **GRADING SCALE\*\*\*:**

Grading will follow the policy in the catalog. The scale is as follows:

A: 90 – 100

B: 80 – 89

C: 70 – 79

D: 60 – 69

F: 0 – 59

1. **GRADING PROCEDURES OR ASSESSMENTS: (*Course Syllabus – Individual Instructor Specific)***

|  |  |  |
| --- | --- | --- |
| *Category* | ***EXAMPLE ONLY***  *Total Points* | *% of Grade* |
| Chapter Homework | 125 | 12.5% |
| Chapter Quizzes | 125 | 12.5% |
| Lab Manual | 50 | 5% |
| Tool/Feed ID Test | 100 | 10% |
| Project | 50 | 5% |
| Research Paper | 100 | 10% |
| Mid-term Exams (2) | 300 | 30% |
| Final Exam | 100 | 10% |
| Attendance/Participation | 50 | 5% |
| Total | 1000 | 100% |

1. **METHODOLOGY: *(Course Syllabus – Individual Instructor Specific)***

This course may use lecture, discussion, video, computer slide show, in and out of class assignments, work projects, research papers, and written exams as appropriate to the Learning Outcomes.

**14. COURSE OUTLINE: *(Course Syllabus – Individual Instructor Specific)***

***(Insert sample course outline with learning outcomes tied to assignments / topics.)***

This sample course outline is for courses using the Modern Livestock textbook. Courses using a different textbook may have a different course outline but must cover the topics below.

**Introduction and Overview**

Beef Cattle

Dairy Cattle

Sheep

Goats

Swine

Poultry

Equine

Forages

Feedstuffs

Feed Rations

Digestive Physiology

Reproductive Physiology

Livestock Breeding Systems

Livestock Genetics

Meat Production and Science

**Suggested Course Outline**: Learning Outcome(s):

Week 1 Introduction and Overview of Animal Agriculture 1, 2, 10, 11

Week 2 Beef Cattle 2, 3, 4, 5

Week 3 Dairy 2, 3, 4, 5

Week 4 Sheep 2, 3, 4, 5

Week 5 Goats **Exam #1** 2, 3, 4, 5

Week 6 Swine 2, 3, 4, 5

Week 7 Poultry 2, 3, 4, 5

Week 8 Equine 2, 3, 4, 5

Week 9 Companion Animals 2, 3, 4, 10

Week 10 Anatomy, Physiology, and Absorption of Nutrients 2, 6, 7, 8

**Exam #2**

Week 11 Feed Stuffs, Feed Rations 2, 8, 9

Week 12 Reproductive & Digestive Physiology 2, 6, 7, 8

Week 13 Livestock Genetics 6, 7, 8

Week 14 Livestock Breeding Systems 2, 6, 7

Week 15 Animal Production and Science 2, 9, 11

Week 16 Final Exam **Exam #3**

**15. SPECIFIC MANAGEMENT REQUIREMENTS\*\*\*:**

**Student Responsibilities: Students must Read the Textbook and understand the Chapter Learning Objectives. Attend class and be prepared to participate in that day’s discussion, complete the Project(s) by the due dates, and complete the Quizzes & Exams by the due dates. Students must also Display Sincere adult Behavior in the classroom.  Students must do their own work!  No Plagiarism!**

Students may withdraw from classes according to the schedule in the student handbook. Withdrawal from classes may affect the student’s financial aid. See the FEE SCHEDULE section of the College Catalog for the policy on refunds and financial aid.

**Instructor Responsibilities:** It is the responsibility of the instructor to enhance and expand the meaning and application of the subject matter covered in the course. The instructor will not normally review the assigned text. The instructor will provide grades in a timely manner and make arrangements to be available for assistance as needed.

**16. FERPA:\***

Students need to understand that their work may be seen by others. Others may see your work when being distributed, during group project work, or if it is chosen for demonstration purposes. Students also need to know that there is a strong possibility that your work may be submitted to other entities for the purpose of plagiarism checks.

**17. ACCOMMODATIONS:\***

Students requesting accommodation may contact Ryan Hall, Accessibility Coordinator at rhall21@sscc.edu or 937-393-3431, X 2604.

Students seeking a religious accommodation for absences permitted under Ohio’s Testing Your Faith Act must provide the instructor and the Academic Affairs office with written notice of the specific dates for which the student requires an accommodation and must do so no later than fourteen (14) days after the first day of instruction or fourteen (14) days before the dates of absence, whichever comes first. For more information about Religious Accommodations, contact Ryan Hall, Accessibility Coordinator at rhall21@sscc.edu or 937-393-3431 X 2604.

**18. OTHER INFORMATION\*\*\*:**

**Classroom Conduct:** Civility in the classroom is very important. As professionals, we expect students to conduct themselves in a courteous and respectful manner. Disruptive, rude, sarcastic, obscene or disrespectful speech or behavior have a negative impact on everyone and will not be tolerated.

**SYLLABUS TEMPLATE KEY**

**\*** Item cannot be altered from that which is included in the master syllabus approved by the Curriculum Committee.

**\*\*** Any alteration or addition must be approved by the Curriculum Committee

**\*\*\*** Item should begin with language as approved in the master syllabus but may be added to at the discretion of the faculty member.