



**COWLEY COLLEGE  
& Area Vocational Technical School**

**COURSE PROCEDURE FOR**

<p><b>Principles of Animal Science AGR1267 3 Credit Hour</b></p>
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**Student Level:**

This course is open to students on the college level in either the Freshman or Sophomore year.

**Catalog Description:**

**AGR1267 Principles of Animal Science (3cr)**

This class is designed to coordinate with the AGR1268 Animal Science & Industry course and be the lecture portion of that course. This course looks at what animal science was and what it is today. The course investigates how animals fit into all of society and how animals contribute to the well-being of humans from a worldwide perspective. The course explores uses that humans have found for our domesticated animals in addition to food and clothing uses. It explores traditional livestock but also companion animals, aqua culture, rabbits, and careers associated with animal science. It also explores food safety, consumers' concerns, and animal welfare rights. This is a lecture course.

**Prerequisites:**

None

**Co-requisites:**

AGR1268 Animal Science & Industry

**Controlling Purpose:**

The purpose of this this course is to consider how animals fit into all of society and how animals contribute to the wellbeing of humans from a worldwide perspective. This course explores uses that humans have found for our domesticated animals in addition to food and clothing uses. It explores traditional livestock but also companion animals, aqua culture, rabbits, and careers associated with animal science. It also explores food safety, consumers' concerns, and animal welfare rights.

**Learner Outcomes:**

Upon completion of the course, the student will

1. Summarize on how animals fit into all of society and how animals contribute to the well-being of humans from a worldwide perspective.
2. Analyze complex issues relevant to the animal sciences by understanding and appreciating the

economic, environmental, animal welfare, and societal impacts of animal production and management systems at the global and local level.

3. Develop and evaluate animal production and management systems by integrating knowledge of animal genetics, nutrition, reproduction, and other relevant disciplines and applying scientific and quantitative reasoning to solve real-world challenges.

**Units Outcomes and Clock Hours of Instruction for Core Curriculum:**

The following outline defines the minimum core content not including the final examination period. Instructors may add other material as time allows.

Evaluation Key:

- A = All major and minor goals have been achieved and the achievement level is considerably above the minimum required for doing more advanced work in the same field.
- B = All major goals have been achieved, but the student has failed to achieve some of the less important goals. However, the student has progressed to the point where the goals of work at the next level can be easily achieved.
- C = All major goals have been achieved, but many of the minor goals have not been achieved. In this grade range, the minimum level of proficiency represents a person who has achieved the major goals to the minimum amount of preparation necessary for taking more advanced work in the same field, but without any major handicap of inadequacy in his background.
- D = A few of the major goals have been achieved, but the student’s achievement is so limited that he is not well prepared to work at a more advanced level in the same field.
- F = Failing, will be computed in GPA and hours attempted.
- N = No instruction or training in this area.

<b>UNIT 1:</b>						
Outcomes: Summarize how animals fit into all of society and how animals contribute to the well-being of humans from a worldwide perspective.						
A	B	C	D	F	N	Specific Competencies: <i>Students will be able to</i>
						Describe animal science importance and scope.
						Evaluate the value of animals to mankind.
						Describe the worldwide systems of agricultural production.

<b>UNIT 2:</b>						
Outcomes: Analyze complex issues relevant to the animal sciences by understanding and appreciating the economic, environmental, animal welfare, and societal impacts of animal production and management systems at the global and local level.						
A	B	C	D	F	N	Specific Competencies: <i>Students will be able to</i>
						Describe vertical integration of beef, pork, and poultry.
						Assess the beef cattle industry.
						Determine careers and career preparation in the animal sciences.
						Hypothesize what might be in the future of animal science.

<b>UNIT 3:</b>						
Outcomes: Develop and evaluate animal production and management systems by integrating knowledge of animal genetics, nutrition, reproduction, and other relevant disciplines and applying scientific and quantitative reasoning to solve real-world challenges.						
A	B	C	D	F	N	Specific Competencies: <i>Students will be able to</i>
						Describe the role of nutrition in animal production.
						Describe the role of genetics in animal production.
						Explain knowledge of reproduction of farm animals.
						Describe animal behavior aspects that are important within production agriculture.

**Projects Required:**

Varies, refer to syllabus.

**Textbook:**

Contact Bookstore for current textbook.

**Materials/Equipment Required:**

None

**Attendance Policy:**

Students should adhere to the attendance policy outlined by the instructor in the course syllabus.

**Grading Policy:**

The grading policy will be outlined by the instructor in the course syllabus.

**Maximum class size:**

Based on classroom occupancy

**Course Time Frame:**

The U.S. Department of Education, Higher Learning Commission and the Kansas Board of Regents define credit hour and have specific regulations that the college must follow when developing, teaching and assessing the educational aspects of the college. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work for approximately fifteen weeks for one semester hour of credit or an equivalent amount of work over a different amount of time. The number of semester hours of credit allowed for each distance education or blended hybrid courses shall be assigned by the college based on the amount of time needed to achieve the same course outcomes in a purely face-to-face format.

**Refer to the following policies:**

[402.00 Academic Code of Conduct](#)

[263.00 Student Appeal of Course Grades](#)

[403.00 Student Code of Conduct](#)

**Disability Services Program:**

Cowley College, in recognition of state and federal laws, will accommodate a student with a documented disability. If a student has a disability which may impact work in this class and which requires accommodations, contact the Disability Services Coordinator.