



**COWLEY COLLEGE
& Area Vocational Technical School**

COURSE PROCEDURE FOR

**EQUINE PRODUCTION II
AGR1271 3 Credit Hours**

Student Level:

This course is open to students on the college level in either the freshman or the sophomore year.

Catalog Description:

AGR1271 - EQUINE PRODUCTION II (3 hrs)

This class will provide an in-depth study of genetics, nutrition and feeding, reproduction, breeding as it pertains to horses. Topics will include foal growth and development, facility design, transportation, management, and welfare issues pertaining to the horse.

Prerequisites:

AGR1250 Animal Nutrition

Controlling Purpose:

The purpose of this course is to provide an in depth study of the overall horse production and management, including the application of current research information pertaining to equine nutrition and feeding management, reproduction and breeding, and the overall management of the housing facilities for the horse.

Learner Outcomes:

The learner outcomes of Equine Production II are to help the student develop a further understanding of the overall horse production and management, including the application of current research information pertaining to equine nutrition and feeding management, reproduction and breeding, and the overall management of the housing facilities for the horse.

Units Outcomes and Criterion Based Evaluation Key for Core Content:

The following defines the minimum core content not including the final examination period. Instructors may add other content 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

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- 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.

UNIT 1: Nutritional Health

Outcomes: Upon completion, the student will be able to discuss the overall body condition scoring, nutritional feed management, feeding issues and how to correct, and be able to discuss the anatomy and physiology of the gastrointestinal tract.

A	B	C	D	F	N	Specific Competencies
						Demonstrate the ability to:
						Properly evaluate the body condition score of the horse.
						Know the difference between a performance horse weight vs. an actual abuse/neglect case situation.
						Know and discuss the gastrointestinal tract functions in the horse.
						Know and discuss the general feeding management techniques.
						Recognize feed-related issues and how to correct them.
						Create feeding plans for the maintenance, performance, breeding, pregnant, and lactating horse that meets the nutritional needs.
						Discuss the ideas around feeding the metabolic-compromised horses.
						Discuss feeding regimens for HYPP and other genetic issues that can be compromised through feeding regimens.

UNIT 2: Reproduction and Foal Care

Outcomes: Upon completion, the student will be able to discuss the reproduction anatomy and physiology of the stallion and mare, breeding management, foal growth and development, care and management of the foal.

A	B	C	D	F	N	Specific Competencies
						Demonstrate the ability to:
						Know and discuss anatomy and physiology of the stallion genital tract.
						Know general techniques of semen collection and evaluation.
						Know and discuss anatomy and physiology of the mare.
						Know general techniques of artificial insemination.
						Discuss hormonal control of the estrous cycle.
						Discuss the principles of breeding management.
						Know general evaluation of the problem mare.
						Know the care of the pregnant, foaling, and postpartum mare.
						Know the complications of pregnancy.
						Know the prediction of foaling.
						Know the indications to call for veterinary assistance with difficult foaling.
						Discuss routine care and medical problems of the newborn foal.
						Know the care of the orphan foal.
						Know the care and concerns of foal growth and development.

UNIT 3: Facility Management

Outcomes: Upon completion, the student will be able to discuss facilities design and management, proper transportation, barn management, welfare issues.

A	B	C	D	F	N	Specific Competencies
						Demonstrate the ability to:
						Know the various housing facilities for horses.
						Know the management of those facilities.
						Discuss the differences between stalled vs. pasture horses and their behaviors that are affected.
						Discuss the time and cost management related to stall vs. pasture horses.
						Know the standard equipment that can be found on an equine farm.
						Know the risks related to various fencing, stalls, pasture and how to decrease the risk.
						Know the standard horse transportation methods and time they can be hauled in a healthy manner.
						Discuss the proper maintenance of a stall, run, and pasture.
						Be able to set schedules for the farrier and veterinarian.
						Discuss the various vices horses can develop within a stall or pasture.
						Know the prevention methods of those vices.
						Discuss the current welfare issues in the horse industry.
						Know the difference between abuse and neglect of a horse.
						Know the proper procedure for reporting a potential abuse case.
						Discuss both sides to the horse slaughter debate.

Projects Required:

Textbook:

Contact Bookstore for current textbook.

Materials/Equipment Required:**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 Timeframe:

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 which requires accommodations, contact the Disability Services Coordinator.