Code # AG13 (2014) Rev 041015

**Bulletin Change Transmittal Form**

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| **Bulletin Change**Please attach a copy of all catalogue pages requiring editorial changes. |

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
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|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Donald (Bud) Kennedy, dkennedy@astate.edu, X 3704

**2.Proposed Change**

Course offering frequency changes for ANSC 3003, 3203, 3703, 4623, and 4743.

Prerequisite change for ANSC 4673 (adding “or CHEM 1043”)

**3.Effective Date**

Fall 2015

**4.Justification**

Proposed new course rotation can be adequately covered with current FTE in animal science. CHEM 1013 and CHEM 1043 will work as a prerequisite for ANSC 4673. Which CHEM course students take will depend on their emphasis area. Also, many transfer students have taken CHEM 1013. This will also reduce the number of sub forms needed.

**From the most current electronic version of the bulletin, copy all bulletin pages that this proposal affects and paste it to the end of this proposal.**

**pp. 399-400**

**Animal Science (ANSC)**

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ANSC 2623. Equine Health and Management Course covers aspects of equine health, diseases, soundness, first aid, preventative maintenance, and management of horses in domestic situations. Three hours of lecture per week. Fall.

ANSC 3003. Small Animal Nutrition Fundamental concepts of nutrition applied to companion animals including dogs, cats, and other common pets. Prerequisite, ANSC 1613 or BIO 2013. ~~Spring, odd.~~  Summer, even.

ANSC 3203. Small Animal Care and Management Science and practice of raising and keep- ing small animals as pets or companion animals. Topics related to nutrition and feeding, training, reproduction, breeding, grooming, housing and equipment, preventative medicine, and common diseases will be covered. Prerequisites, ANSC 1613 or BIOL 1003 or BIO 2013. Fall, even.

ANSC 3613. Nutritional Management of Domestic Animals Principles of animal nutrition, composition of feedstuffs, diet formulation, and nutritional management of cattle, horses, sheep, swine, poultry, dogs and cats. Two hours lecture, two hours laboratory per week. Prerequisite, ANSC 1613. Fall.

ANSC 3633. Veterinary Anatomy and Physiology Structure and function of the body in farm animals. Includes lectures on cardiac, renal, respiratory and muscle physiology, neurology, histol- ogy, bone development and endocrine control of the above systems. Prerequisite, ANSC 1613. Fall.

ANSC 3653. Meat Science and Processing Study of meat science and meat processing. Prop- erties of fresh and processed meats. Instruction in the preservation of meat and meat products, including hands on experience in processed meat manufacturing, curing, and barbecuing. Fall, even.

ANSC 3663. Sheep Production Methods of management in producing sheep and handling of purebred flocks.. Lecture two hours, laboratory two hours per week. Prerequisite, ANSC 3613. Fall.

ANSC 3703. Poultry Flock Management Management of laying and brooding flocks, raising of replacements, study of all economic factors relating to efficient production and marketing. Lecture two hours, laboratory two hours per week. Spring~~, even~~.

ANSC 4613. Horse Production Selection, breeding, feeding, management, marketing of horses, and equitation. Lecture two hours, laboratory two hours per week. Prerequisite, ANSC 1613. Spring.

ANSC 4623. Beef Cattle Production Management practices of commercial and purebred herds.

Lecture two hours, laboratory two hours per week. Spring odd.

ANSC 4633. Diseases of Farm Animals Prevention, treatment, and control of common diseases,

including problems of hygiene and sanitation. Prerequisite, ANSC 3633. Summer, even.

ANSC 4663. Principles of Breeding Basic application of genetic principles to the improvement

of farm animals. Fall.

ANSC 4673. Digestive Physiology and Nutrition of Domestic Animals The role of nutrients and physiological and metabolic mechanisms involved in nutrient utilization by domestic animals. Emphasis on food producing animals, horses, dogs, cats, and catfish. Prerequisite, ANSC 1613 and CHEM 1013 OR CHEM 1043. Spring.

ANSC 4683. Theriogenology Teaches the anatomy, physiology, endocrinology, and biochemistry of reproduction in farm animals. Introduces students to methods of manipulating reproduction within livestock systems. Management topics include artificial insemination, estrus synchroniza- tion, induction of parturition, embryo transfer, and reproductive disease prevention. Prerequisite, ANSC 1613. Spring.

ANSC 4733. Endocrinology of Farm Animals Endocrinology system and its role in lactation,

reproduction, digestion, and metabolism. Summer, odd.

ANSC 4743. Equine Nutrition This course provides students an understanding of the principles of nutrition and their application to feeding horses. Digestive physiology, feed ingredients, feeding and grazing programs for various classes of horses and interactions of nutrition, diseases, and environment will be discussed. Prerequisite, ANSC 1613 or permission of instructor. Summer odd.

ANSC 478V. Special Problems in Animal Science Each student will develop a problem in stu- dents special interest field. This group will meet for two hours per week and report the progress on problems. Fall, Spring, Summer.