Code # AG12 (2014)

**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](mailto:dkennedy@astate.edu), X 3704

**2.Proposed Change**

ANSC 3663 title and course description changes

**3.Effective Date**

Fall 2015

**4.Justification**

The production of meat goats has gained popularity in the last 10 years; therefore, we are proposing to modify ANSC 3663 to include more information about goats. The proposed title is common at other universities that teach an equivalent course.

**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.**

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**Animal Science (ANSC)**

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ANSC 3663. ~~Sheep Production~~ Small Ruminant Production Methods of management in producing sheep and goats. ~~and handling of purebred flocks~~. Lecture two hours, laboratory two hours per week. Prerequisite, ANSC ~~3~~1613. ~~Fall.~~ Spring even.

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**Revised Outline, Student Learning Outcomes and Course Assessment**

Course Outline**:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Day** | **Lecture topic** | **Lab** |
| 1 | 1 | Introductions, syllabus, | No lab |
| 1 | 2 | Historical Perspective of Sheep and Goat Production |  |
| 2 | 1 | Breeds of Sheep and Goats | Breeds/Live animal evaluation |
| 2 | 2 | Breeds of Sheep and Goats |  |
| 3 | 1 | Nutritional Management | Forages and Pastures |
| 3 | 2 | Nutritional Management |  |
| 4 | 1 | Nutrition | Feeds and Feed formulation |
| 4 | 2 | Exam 1 |  |
| 5 | 1 | Physiology of Reproduction | Breeding Soundness/Live evaluation |
| 5 | 2 | Reproductive Management |  |
| 6 | 1 | Reproduction Management | Field trip to B&D Genetics |
| 6 | 2 | Diseases and Parasite Control |  |
| 7 | 1 | Disease and Parasite Control | Lambing/kidding |
| 7 | 2 | Exam 2 |  |
| 8 | 1 | Sheep Management Systems (Farm flocks) | Parasite management |
| 8 | 2 | Sheep Management Systems (Range flocks) |  |
| 9 | 1 | Economics of Marketing of Sheep and Wool | Equipment |
| 9 | 2 | Economics of Marketing of Sheep and Wool |  |
| 10 | 1 | Lamb marketing |  |
| 10 | 2 | Physiology of Wool Production | Sheep/goat management techniques I |
| 11 | 1 | Wool Marketing and Manufacturing |  |
| 11 | 2 | Goat Management Systems (Meat) |  |
| 12 | 1 | Goats Management Systems (Dairy) | Sheep/goat management techniques II |
| 12 | 2 | Economics of Marketing Goats |  |
| 13 | 1 | Economics of Marketing Goat Milk | Sheep/goat management techniques evaluation |
| 13 | 2 | Exam 3 |  |
| 14 | 1 | Final Exam (comprehensive) |  |

Student Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Identify, describe, and characterize the 5 major sheep breeds and 5 major goat breeds;
2. Describe characteristics of desirable handling facilities, pasture, and housing for small ruminants;
3. Outline common management procedures used in the sheep and goat industries;
4. Define specific terms related to nutrition, reproduction, health, and management of small ruminants;
5. Identify equipment used with, and anatomical parts of, small ruminants (including the specific function of each);
6. Evaluate marketing options available to sheep and goat producers; and
7. Demonstrate the ability to handle live sheep and goats in a farm setting.

Assessment of Student Learning Outcomes (SLO)

SLO 1-6: A 50-question test will be administered as a pre-test during the first week of class and the same test will given as a post-test during the week of finals. An item analysis will determine areas that need improvement. Instructors will recommend course modifications to improve student learning. The effectiveness of these modifications will be determined by post-test results the next time the course is taught.

SLO 7: A rubric will be used to assess student proficiencies of handling sheep and goats. The instructors will recommend course modifications to improve student learning. Student proficiency scores will determine the effectiveness of these modifications the next time the course is taught.