Code # AG16 (2014) Rev 041015

**Bulletin Change Transmittal Form**

[ ]  **X Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

[ ]  **Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to pheath@astate.edu

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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)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Chair:**  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (If applicable)**   |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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**

**MAJOR: ANIMAL SCIENCE EMPHASIS: PRODUCTION AND MANAGEMENT**

**PAGE 113**

1. Moved Microbiology courses from specific gen ed requirements to major requirements; students will now select one of the gen. ed. biology courses.

2. Removed list of ANSC courses to choose from, to give students more options to meet the 12-hour, upper-level ANSC course requirement

3. Added upper-level support electives

**3.Effective Date**

fall 2015

**4.Justification**

Provides more flexibility for students.

**Page 113.**

**Major in Animal Science** Bachelor of Science in Agriculture Emphasis in Production and Management

A [complete 8-semester degree plan is available at http://registrar.astate.edu/.](http://registrar.astate.edu/)

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| University Requirements: |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| First Year Making Connections Course: | Sem. Hrs. |
| AGRI 1213, Making Connections in Agriculture | 3 |
| General Education Requirements:~~In order to receive General Education credit for either of the microbiology courses, students with this major must take BIO 1303 AND 1301, Biology of Animals and Laboratory. The credit hours for the Biology of Animal courses will NOT count toward the total General Education hours.~~ | Sem. Hrs. |
| See General Education Curriculum for Baccalaureate degrees (p. 84)Students with this ~~major~~ emphasis must take the following:MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisiteCHEM 1013 AND 1011, General Chemistry I and Laboratory ORCHEM 1043 AND 1041, Fundamental Concepts of Chemistry and Laboratory~~BIO 2103 AND 2101, Microbiology for Nursing and Allied Health and Laboratory OR~~~~BIO 4104, Microbiology~~ECON 2313, Principles of Macroeconomics OR ECON 2333, Economic issues and ConceptsCOMS 1203, Oral Communication (Required Departmental Gen. Ed. Option) | 35 |
| College of Agriculture Core Courses: | Sem. Hrs. |
| (See Beginning of Agriculture Section) | 18 |
| Major Requirements: | Sem. Hrs. |
| CHEM 1052, Fundamental Concepts of Organic and Biochemistry ORCHEM 1023 AND 1021, General Chemistry II and Laboratory | 2 or 4 |
| ~~BIO 1303 AND 1301, Biology of Animals and Lab OR~~~~BIO 2013 AND 2011, Biology of the Cell and Lab~~ BIO 2103 and 2101 Microbiology for Nursing and Allied Health and Laboratory | 4 |
| ANSC 1621, Introduction to Animal Science Laboratory | 1 |
| ANSC 3613, Nutritional Management of Domestic Animals | 3 |
| ANSC 3633, Veterinary Anatomy and Physiology | 3 |
| AGRI 2213, Genetic Improvement of Plants and Animals ORBIO 3013, Genetics | 3 |
| Animal Science (ANSC) Upper-Level Electives~~Select four of the following:~~~~ANSC 3203, Small Animal Care and Management~~~~ANSC 3653, Meat Science and Processing~~~~ANSC 3663, Sheep Production ANSC 4613, Horse Production ANSC 4623, Beef Production~~~~ANSC 4633, Diseases of Farm Animals~~~~ANSC 4743, Equine Nutrition~~ | 12 |
| Sub-total | 28 or 30 |
| Emphasis Area (Production and Management): | Sem. Hrs. |
| AGEC 4073, Agricultural Business Management | 3 |
| ANSC 3073, Poultry Flock Management | 3 |
| ANSC 4663, Principles of Breeding | 3 |
| ANSC 4673, Digestive Physiology and Nutrition of Animals | 3 |
| ANSC 4683, Theriogenology | 3 |
| Sub-total | 15 |
| Electives: | Sem. Hrs. |
| Upper-level Support Courses (ANSC, AGEC, AGED, PSSC, BIO, CHEM, ENT, BUS) | 6 |
| Electives | ~~16 or 18~~13-15 |
| Elective subtotal | 19-21 |
| Total Required Hours: | 120 |