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| For Academic Affairs and Research Use Only |
| CIP Code:  |  |
| Degree Code: |  |

**New Course Proposal Form**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| --- |
| **[X] New Course or [ ]Experimental Course (1-time offering) (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to curriculum@astate.edu for inclusion in curriculum committee agenda.

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| Donald Kennedy 2/21/2019**Department Chair:**  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Head of Unit (If applicable)**   |
| J. Kim Pittcock 2/21/2019**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Timothy Burcham 2/21/2019**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |

**General Education Committee Chair (If applicable)**   | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |

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

Dr. David Newman

dnewman@astate.edu

8709722511

2. Proposed Starting Term and Bulletin Year

Fall 2019, Bulletin Year 2019-2020

3. Proposed Course Prefix and Number (Confirm that number chosen has not been used before. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

**ANSC 4003**

4. Course Title – if title is more than 30 characters (including spaces), provide short title to be used on transcripts. Title cannot have any symbols (e.g. slash, colon, semi-colon, apostrophe, dash, and parenthesis). Please indicate if this course will have variable titles (e.g. independent study, thesis, special topics).

**Current Issues in Animal Agriculture**

 **Short title: Current Issues in Animal Agri**

5. Brief course description (40 words or fewer) as it should appear in the bulletin.

**Identify, research, and interpret major issues impacting animal agriculture using creative, problem solving and critical thinking skills.**

6. Prerequisites and major restrictions. (Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. **YES** Are there any prerequisites?
	1. If yes, which ones?

**ANSC 1613 Introduction to Animal Sciences and Senior standing.**

* 1. Why or why not?

**Students must have a basic understanding of the livestock industry structure prior to researching specific issues.**

1. **NO** Is this course restricted to a specific major?
	1. If yes, which major? Enter text...

7. Course frequency(e.g. Fall, Spring, Summer). *Not applicable to Graduate courses.*

**Fall, Spring**

8. Will this course be lecture only, lab only, lecture and lab, activity, dissertation, experiential learning, independent study, internship, performance, practicum, recitation, seminar, special problems, special topics, studio, student exchange, occupational learning credit, or course for fee purpose only (e.g. an exam)? Please choose one.

**Lecture only**

9. What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])

**Standard Letter**

10. **YES** Is this course dual listed (undergraduate/graduate)?

11. **NO** Is this course cross listed?

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross listed course.)*

**11.1** – If yes, please list the prefix and course number of cross listed course.

 Enter text...

**11.2** – **Yes / No** Are these courses offered for equivalent credit?

Please explain. Enter text...

12. **NO** Is this course in support of a new program?

a. If yes, what program?

 Enter text...

13. **NO** Does this course replace a course being deleted?

a. If yes, what course?

Enter text...

14. **N/A** Will this course be equivalent to a deleted course?

a. If yes, which course?

Enter text...

15. **YES** Has it been confirmed that this course number is available for use?

 *If no: Contact Registrar’s Office for assistance.*

16. **NO** Does this course affect another program?

If yes, provide confirmation of acceptance/approval of changes from the Dean, Department Head, and/or Program Director whose area this affects.

Enter text...

**Course Details**

17. Outline (The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

**Course Outline**

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| --- | --- |
| Week 1 | Introduction to course/Syllabus review |
| Week 2 | Identifying & Interpreting Issues in Animal Science |
| Week 3 | Understanding Credible Information Sources |
| Week 4 | Major Issue #1\* – Current Issue Impacting Animal Agriculture |
| Week 5 | Major Issue #2 – Current Issue Impacting Animal Agriculture |
| Week 6  | Major Issue #3 – Current Issue Impacting Animal Agriculture |
| Week 7 | Major Issue #4 – Current Issue Impacting Animal Agriculture |
| Week 8 | Major Issue #5 – Current Issue Impacting Animal Agriculture |
| Week 9 | Major Issue #6 – Current Issue Impacting Animal Agriculture |
| Week 10 | Major Issue #7 - Current Issue Impacting Animal Agriculture Student Project Seminar Presentations  |
| Week 11 | Major Issue #7 - Current Issue Impacting Animal Agriculture Student Project Seminar Presentations |
| Week 12 | Major Issue #7 - Current Issue Impacting Animal Agriculture Student Project Seminar Presentations |
| Week 13 | Major Issue #7 - Current Issue Impacting Animal Agriculture Student Project Seminar Presentations |
| Week 14 | Course Summary/Wrap-up Lectures |

\*Major Issues are not specifically outlined in the course proposal because they will change constantly based on livestock industry issues

18. Special features (e.g. labs, exhibits, site visitations, etc.)

**Guest lecturers will provide comment on current issues in animal agriculture**

19. Department staffing and classroom/lab resources

**Current faculty and guest lecturers**

1. Will this require additional faculty, supplies, etc.?

 NO

20. **NO** Does this course require course fees?

 *If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Course Justification**

21. Justification for course being included in program. Must include:

 a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

 **Our students need a capstone course that addresses critical thinking in the field of Animal Sciences. The goal of this class is to train students how to identify, research, and interpret major issues impacting animal agriculture. This course will take the compilation of information and materials relative to Animal Sciences that students have gathered throughout their academic career and apply the information into the modern animal agriculture industry. This course will serve as the primary means of student learning assessment of animal science majors.**

b. How does the course fit with the mission established by the department for the curriculum? If course is mandated by an accrediting or certifying agency, include the directive.

 **It will help to prepare young men and women for entry and career advancement in the food, fiber and natural resources industry. Many good jobs exist in the livestock industry that require employees with advanced knowledge and critical thinking skills. Students in this course will learn to think critically about modern issues impacting the daily business worth over $100B dollars.**

c. Student population served.

College of Agriculture majors and Animal Science majors.

d. Rationale for the level of the course (lower, upper, or graduate).

This is a capstone undergraduate level course. Our students need knowledge from previous animal science coursework before they are prepared to take this course. A graduate version of this course already exists.

 **Assessment**

**Relationship with Current Program-Level Assessment Process**

22. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

Ag core-level outcome #3 Students will demonstrate critical thinking skills to analyze and synthesize relevant problems in agriculture

Program-level outcome # 2 Students will apply their knowledge to solve problems in an animal science specialty area to support their professional goals

**We plan on using this as an assessment tool for Animal Sciences on an annual basis.**

23. Considering the indicated program-level learning outcome/s (from question #23), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 2 (from question #23)** | **Students will apply their knowledge to solve problems in an animal science specialty area to support their professional goals.** |
| Assessment Measure | **A specific grading rubric built for the major project during the semester. This rubric objectively quantifies student organization, topic knowledge, audience adaptation, language use, and delivery. Also a pre and post quiz about major modern issues in the animal industry.**  |
| Assessment Timetable | Spring and Fall Semester |
| Who is responsible for assessing and reporting on the results? | Animal Science faculty members |

 *(Repeat if this new course will support additional program-level outcomes)*

 **Course-Level Outcomes**

24. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| **Outcome 1** | **Students will learn to identify, research, and interpret major issues impacting animal agriculture.**  |
| **Outcome 2** | **Students will use creativity, problem solving and critical thinking skills.** |
| Which learning activities are responsible for this outcome? | Students will identify a major topic, create an outline, write a white paper on their topic, and give a seminar on their topic that includes a specific grading rubric used by all audience participants.  |
| Assessment Measure  | Grading rubric and written assignment grade  |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

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| **Instructions**  |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.** **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)- New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font). - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)*You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.* *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

Page 119

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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 44) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| AGRI 1213, Making Connections in Agriculture | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 89)**Students with this major must take the following:***MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite CHEM 1013* ***AND*** *1011, General Chemistry I and Laboratory* ***OR****CHEM 1043* ***AND*** *1041, Fundamental Concepts of Chemistry and Laboratory ECON 2313, Principles of Macroeconomics* ***OR****ECON 2333, Economic issues and Concepts**COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Agriculture Core Courses:** | **Sem. Hrs.** |
| (See Beginning of Agriculture Section) | **24** |
| **Major Requirements:** | **Sem. Hrs.** |
| AGRI 2213, Genetic Improvement of Plants and Animals **OR**BIO 3013, Genetics | 3 |
| ANSC 1621, Introduction to Animal Science Laboratory | 1 |
| ANSC 3613, Nutritional Management of Domestic Animals | 3 |
| ANSC 3633, Veterinary Anatomy and Physiology | 3 |
| *ANSC 4003, Current Issues in Animal Agriculture* | 3 |
| BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory | 4 |
| CHEM 1052, Fundamental Concepts of Organic and Biochemistry **OR**CHEM 1023 **AND** 1021, General Chemistry II and Laboratory | 2 or 4 |
| Animal Science (ANSC) Upper-level Electives | 12 |
| **Sub-total** | **~~28 or 30~~ 31-33** |
| **Emphasis Area (Equine Management):** | **Sem. Hrs.** |
| AGEC 4073, Agricultural Business Management | 3 |
| ANSC 1522, Beginning English Equitation | 2 |
| ANSC 1602, Equitation | 2 |
| ANSC 1612, Intermediate Western Equitation | 2 |
| ANSC 2623, Equine Care and Management | 3 |
| ANSC 4613 Horse Production | 3 |
| ANSC 4743, Equine Nutrition | 3 |
| **Sub-total** | **18** |
| **Additional Support Courses:** | **Sem. Hrs.** |
| Upper-level Support Courses (AGEC, AGED, ANSC, BIO, CHEM, PSSC) | **~~9~~ 6** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **1-3** |
| **Total Required Hours:** | **120** |

Page 120

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| *University Requirements:* |  |
| See University General Requirements for Baccalaureate degrees (p. 44) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| AGRI 1213, Making Connections in Agriculture | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 89)**Students with this major must take the following:***MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite CHEM 1013* ***AND*** *1011, General Chemistry I and Laboratory* ***OR****CHEM 1043* ***AND*** *1041, Fundamental Concepts of Chemistry and Laboratory ECON 2313, Principles of Macroeconomics* ***OR****ECON 2333, Economic issues and Concepts**COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Agriculture Core Courses:** | **Sem. Hrs.** |
| (See Beginning of Agriculture Section) | **24** |
| **Major Requirements:** | **Sem. Hrs.** |
| AGRI 2213, Genetic Improvement of Plants and Animals **OR**BIO 3013, Genetics | 3 |
| ANSC 1621, Introduction to Animal Science Laboratory | 1 |
| ANSC 3613, Nutritional Management of Domestic Animals | 3 |
| ANSC 3633, Veterinary Anatomy and Physiology | 3 |
| *ANSC 4003, Current Issues in Animal Agriculture* | 3 |
| BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory | 4 |
| CHEM 1052, Fundamental Concepts of Organic and Biochemistry **OR**CHEM 1023 **AND** 1021, General Chemistry II and Laboratory | 2 or 4 |
| Animal Science (ANSC) Upper-level Electives | 12 |
| **Sub-total** | **~~28 or 30~~** **31-33** |
| **Emphasis Area (Production and Management):** | **Sem. Hrs.** |
| AGEC 4073, Agricultural Business Management | 3 |
| ANSC 3703, Poultry Flock Management | 3 |
| ANSC 4663, Principles of Breeding | 3 |
| ANSC 4673, Digestive Physiology and Nutrition of Animals | 3 |
| ANSC 4683, Reproductive Physiology | 3 |
| **Sub-total** | **15** |
| **Additional Support Courses:** | **Sem. Hrs.** |
| Upper-level Support Courses (AGEC, AGED, ANSC, BIO, CHEM, PSSC) | **6** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **~~7-9~~ 4-6** |
| **Total Required Hours:** | **120** |

Page 121

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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 44) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| AGRI 1213, Making Connections in Agriculture | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 89)**Students with this major must take the following:***MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite CHEM 1013* ***AND*** *1011, General Chemistry I and Laboratory**ECON 2313, Principles of Macroeconomics* ***OR****ECON 2333, Economic issues and Concepts**COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Agriculture Core Courses:** | **Sem. Hrs.** |
| (See Beginning of Agriculture Section) | **24** |
| **Major Requirements:** | **Sem. Hrs.** |
| AGRI 2213, Genetic Improvement of Plants and Animals **OR**BIO 3013, Genetics | 3 |
| ANSC 1621, Introduction to Animal Science Laboratory | 1 |
| ANSC 3613, Nutritional Management of Domestic Animals | 3 |
| ANSC 3633, Veterinary Anatomy and Physiology | 3 |
| *ANSC 4003, Current Issues in Animal Agriculture* | 3 |
| BIO 2103 **AND** 2101, Microbiology for Nursing and Allied Health and Laboratory **OR**BIO 4104, Microbiology | 4 |
| CHEM 1023 **AND** 1021, General Chemistry II and Laboratory | 4 |
| Animal Science (ANSC) Upper-level Electives | ~~9~~ 6 |
| **Sub-total** | **27** |
| **Emphasis Area (Pre-veterinary):** | **Sem. Hrs.** |
| ANSC 4673, Digestive Physiology and Nutrition of Animals | 3 |
| ANSC 4683, Reproductive Physiology | 3 |
| CHEM 3103 **AND** 3101, Organic Chemistry I and Laboratory | 4 |
| CHEM 3113 **AND** 3111, Organic Chemistry II and Laboratory | 4 |
| CHEM 4243, Biochemistry | 3 |
| MATH 1033, Plane Trigonometry **OR**MATH 1054, Precalculus | 3-4 |
| PHYS 2054, General Physics I | 4 |
| PHYS 2064, General Physics II | 4 |
| **Sub-total** | **28-29** |
| **Electives:** | **Sem. Hrs.** |
| Electives | **2-3** |
| **Total Required Hours:** | **120** |

\*Page 433

**ANSC 3663. Small Ruminant Production** Methods of management in producing sheep and goats. Lecture two hours, laboratory two hours per week. Prerequisite, ANSC 1613. Spring, even.

**ANSC 3703. Poultry Production** Management of laying and brooding flocks, raising of replace- ments, study of all economic factors relating to efficient production and marketing. Lecture two hours, laboratory two hours per week. Spring.

***ANSC 4003 Current Issues in Animal Agriculture*** Identify, research, and interpret major issues impacting animal agriculture using creative, problem solving and critical thinking skills. Prerequisite, ANSC 1613 and Senior Standing. Fall, Spring.

**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.