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| For Academic Affairs and Research Use Only |
| Proposal Number |  AGRI28 |
| CIP Code:  |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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

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

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| Jacob Manlove 10/7/2022**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| Donald Kennedy 10/7/2022**Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Head of Unit (if applicable)**   |
| Jacob Manlove 10/7/2022**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Mary Elizabeth Spence 11/1/2022**Office of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
| Mickey Latour 10/7/2022**College Dean** | Alan Utter 11/15/2022**Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (if applicable)**   |  |

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

Jacob Manlove, jmanlove@astate.edu, 870-972-3942

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

Fall 2022, 2022-2023

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a “Modification requested?” prompt need not be completed if the answer is “No.”*

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|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)** *(Indicate “N/A” if no modification)* |
| **Prefix** |  | **AGRI** |
| **Number\*** |  | **4203** |
| **Title** (include a short title that’s 30 characters or fewer) |  | **Guided Research Experience** |
| **Description\*\*** |  | **Basic introduction to the principles, methods, and techniques of empirical research. Topics include the fundamentals of the scientific method and scientific inquiry, ethical considerations in research, and basic methods of quantitative and qualitative data collection.** |

 ***\**** Confirm with the Registrar’s Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*.

\*\*Forty words or fewer (excepting prerequisites and other restrictions) as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? No]**

(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. No Are there any prerequisites?
	1. If yes, which ones?

Enter text...

* 1. Why or why not?

 Enter text...

1. No Is this course restricted to a specific major?
	1. If yes, which major? Enter text...
2. **Proposed course frequency [Modification requested? No]**

(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, “irregular.”) *Not applicable to Graduate courses.*

Irregular

1. **Proposed course type [Modification requested? No]**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Practicum

1. **Proposed grade type [Modification requested? No]**

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

Standard Letter

1. No Is this course dual-listed (undergraduate/graduate)?
2. 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.)*

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

 Enter text...

 **b.** – **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

 Enter text...

1. No Is this course in support of a new program?

a. If yes, what program?

 Enter text...

1. No Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested? No]**

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

* Week 1: Introduction to Course and Research
* Week 2: Introduction to Research Methods and Ethics
* Week 3: Conducting a Literature Review
* Week 4: Conceptualizing Variables
* Week 5: Creating Measurements
* Week 6: Sampling
* Week 7: Survey Research
* Week 8: Experiments
* Week 9: Quantification of Data
* Week 10: Quantitative Data Analysis – Part One
* Week 11: Quantitative Data Analysis – Part Two
* Week 12: Qualitative Research
* Week 13: Unobtrusive Research
* Week 14: Research in Agriculture
* Week 15: Presenting Research
* Week 16: Presenting Research
1. **Proposed special features** **[Modification requested? No]**

(e.g. labs, exhibits, site visitations, etc.)

N/A

1. **Department staffing and classroom/lab resources**

Current Faculty and resources

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

 No

1. 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.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

Enter text...

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

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

 This course provides a basic introduction to the principles, methods, and techniques of empirical social research. Topics include the fundamentals of the scientific method and scientific inquiry, ethical considerations in research, basic methods of quantitative and qualitative data collection, and strengths and weaknesses of various data collection methods. The course is designed to make you a more informed consumer of scientific research through discussion, analysis, and hands-on practice.

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

 The College of Agriculture’s strategic plan places emphasis on offering experiential learning opportunities for students. This course will allow students to participate in guided research as part of that plan.

c. Student population served.

College of Agriculture

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

Upper – course will allow students to apply work from previous work in lower level courses in an applied manner to conduct research.

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. NO Do the proposed modifications result in a change to the assessment plan?

 *If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is “Yes”)**

1. 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?

This course is serving multiple programs, and that it is not changing any/one program-level Assessment Plan(s).

1. Considering the indicated program-level learning outcome/s (from question #19), 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 1 (from question #19)** | Type outcome here. What do you want students to think, know, or do when they have completed the course? |
| Assessment Measure | Please include direct and indirect assessment measure for outcome.  |
| Assessment Timetable | What semesters, and how often, is the outcome assessed? |
| Who is responsible for assessing and reporting on the results? | Who (person, position title, or internal committee) is responsible for assessing, evaluating, and analyzing results, and developing action plans? |

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

 **Course-Level Outcomes**

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

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| **Outcome 1** | Understand the fundamentals of the scientific method and its application to agricultural problems |
| Which learning activities are responsible for this outcome? | Students will propose a research design for a research project |
| Assessment Measure  | The instructor will review and approve/adjust/deny the research design and provide feedback to the student. |

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| **Outcome 2** | Communicate scientific research |
| Which learning activities are responsible for this outcome? | Students will work with faculty to develop a research product, this could be a poster, presentation and/or paper communicating their research design and outcome |
| Assessment Measure  | The students will have a rubric for determining quality of their research product.  |

**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. Please include a before (with changed areas highlighted) and after of all affected sections.** **\*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.**  |

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| **Agriculture** |
| •  [AGRI 420V - Internships in Agriculture](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3794) **Sem. Hrs:** **Variable** |
| •  [AGRI 1213 - Making Connections in Agriculture](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3791) **Sem. Hrs:** **3** |
| •  [AGRI 2213 - Genetic Improvement of Plants and Animals](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3792) **Sem. Hrs:** **3**• AGRI 3103 - Regenerative Agriculture Fundamentals **Sem. Hrs:** **3** |
| •  [AGRI 3233 - Applied Agricultural Statistics](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3793) **Sem. Hrs:** **3**• AGRI 4103 - Regenerative Agriculture Practices **Sem. Hrs:** **3**• AGRI 4203 - Guided Research Experience **Sem. Hrs:** **3** |
| •  [AGRI 4223 - Agriculture and the Environment](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3795) **Sem. Hrs:** **3** |
| •  [AGRI 4233 - Experimental Agricultural Statistics](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3796) **Sem. Hrs:** **3** |
| •  [AGRI 4433 - Organic Agriculture Production](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3797) **Sem. Hrs:** **3** |
| •  [AGRI 4523 - Applied Modern Biotechnology](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3798) **Sem. Hrs:** **3** |
| ~~•~~[~~AGRI 4723 - Agricultural Connections, Technical Interpretation and Professional Applica­tions~~](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3799)**~~Sem. Hrs:~~****~~3~~** |
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**AGRI 4203 – Guided Research Experience**

**Sem. Hrs:** **3**

Basic introduction to the principles, methods, and techniques of empirical research. Topics include the fundamentals of the scientific method and scientific inquiry, ethical considerations in research, and basic methods of quantitative and qualitative data collection. Irregular.