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| For Academic Affairs and Research Use Only | |
| Proposal Number | AGRI26 |
| CIP Code: |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[x] Undergraduate Curriculum Council**

**[ ] Graduate Council**

|  |
| --- |
| **[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.

|  |  |
| --- | --- |
| 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)**

John Nowlin, jnowlin@astate.edu, x3468

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

Enter Fall 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\*** |  | **3103** |
| **Title**  (include a short title that’s 30 characters or fewer) |  | **Regenerative Agriculture Fundamentals**  **Proposed short title: Regenerative Ag Fundamentals** |
| **Description\*\*** |  | **Current trends in agroecological farming systems, investigations applications, processes, and/or markets, culminating in student-planned implementations of farm-based projects, practices, products and/or solutions. Fall** |

***\**** 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? Yes/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?

This course is meant to accessible to a broad set of students from different majors before academic sub-specialization has occurred.

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

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

**Fall**

1. **Proposed course type [Modification requested? Yes/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.

**lecture and lab**

1. **Proposed grade type [Modification requested? Yes/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. **Yes** Is this course in support of a new program?

a. If yes, what program?

Certificate in Regenerative Agriculture

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? Yes/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.)

16-week topic, lab & activity plan

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| Week | Lecture Topic | Lab | Activity |
| 1 | Agroecology: Elephants in Zimbabwe | Watch/Respond to Allan Savory Documentary | Tour A-State Farm & make a record of animal species |
| 2 | Agroecology: Multi-Species Pasture Rotation in Virginia | Watch/Respond to Joel Salatin Multi-Species Pasture Rotation Documentary | record A-State Farm Species |
| 3 | Swine paddock rotation | Watch/Respond to Joel Salatin Pastured Pig Poduction Documentary | Make basic spatial-temporal Pork Paddock Plan |
| 4 | Agroecology | Watch/Respond to to double-cropping and winter forages readings and videos | Analysis of Arkansas Winter forage and cover crops |
| 5 | Forage Estimation | Watch/Respond to Greg Judy Herd Management and Gabe Brown Documentary | Mob Stocking Fundamentals |
| 6 | Spatio-Temporal Planning | Using GIS tools for planning fields/paddocks, roads, buildings and utilities | Google Earth Pro Lab 1 |
| 7 | Spatio-Temporal Planning | Using GIS tools for planning fields/paddocks, roads, buildings and utilities | Google Earth Pro Lab 1 |
| 8 | Spatio-Temporal Planning | Timing cropping and animal movements around production cycle and seasons | Excel crop/animal planting/rotation Gantt charting |
| 9 | Market Analysis | Choosing products and Collecting data | no class - Project Work |
| 10 | Market Analysis | SWOT Analysis | no class - Project Work |
| 11 | Partial Budget Analysis | Using Excel software for partial budget analysis | Project Presentations to Class |
| 12 | Project Planning | Project Planning | Marketing Plan |
| 13 | Project Planning | Project Planning | List of Materials & Budget |
| 14 | Project Planning | Project Planning | Spatial/Temporal Design and Function |
| 15 | Project Presentations | Student Project Presentations | Peer Review |

1. **Proposed special features** **[Modification requested? Yes/No]**

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

Lab work will be conducted on the A-State University Farm and Computer lab in Ag Building

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

This course will be team taught by a varying mix of faculty.

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

Yes, for farm projects estimated at $2500 per 25 person section

1. **Yes** 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 gives students the theory and planning skills to implement **processes like: the use of cover crops, the integration of multiple livestock species and cropping systems, double cropping, intercropping, reuse of organic byproducts, and reducing or eliminating tillage.**

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.

Broadens experience-based course offerings.

c. Student population served.

late underclass and early upperclass students

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

Should happen after 30 hours of college credit, but before starting 4000 classes so that students can use these ideas in their disciplinary courses.

**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** | Students will be able to define and describe the fundamentals of regenerative agroecosystems. |
| Which learning activities are responsible for this outcome? | Web documentaries of regenerative farmers  Peer discussions.  End of day debriefing sessions |
| Assessment Measure | Weekly reflection analysis with rubric |

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| **Outcome 2** | Students will be able to temporally and spatially plan a farm project  . |
| Which learning activities are responsible for this outcome? | University Farm based regenerative agriculture planning project  Group presentation |
| Assessment Measure | Group presentation graded with rubric. |

*(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. 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.** |

2022-2023 Agriculture Core Page

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| |  | | --- | | Agriculture Core Courses | |  | |
| AGRICULTURE CORE COURSES:Select four of the following:  * [AGEC 1003 - Introduction to Agricultural Business](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3** * [~~AGST~~ GIS 2003 - Intro to ~~Agricultural Systems Technology~~](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) GIS and Precision Agriculture **Sem. Hrs:** **3** * [ANSC 1613 - Introduction to Animal Science](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3** * [PSSC 1303 - Introduction to Plant Science](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3** * [PSSC 2813 - Soils](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3**  Select one of the following:  * [AGRI 3233 - Applied Agricultural Statistics](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3** * [STAT 3233 - Applied Statistics I](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3** * [TECH 3773 - Statistics](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **3**  Select one of the following:  * ~~AGRI 4723 - Agricultural Connections, Technical Interpretation and Professional Applica­tions~~**~~Sem. Hrs:~~****~~3~~** * AGRI 3103 - Regenerative Agriculture Fundamentals **Sem. Hrs:** **3** * AGRI 4103 – Guided Research Experience **Sem. Hrs:** **3** * [AGRI 420V - Internships in Agriculture](https://catalog.astate.edu/preview_program.php?catoid=3&poid=458) **Sem. Hrs:** **Variable**  TOTAL REQUIRED HOURS: 18 |

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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 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 420V - Internships in Agriculture](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=3794) **Sem. Hrs:** **Variable** |
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| **AGRI 3103 – Regenerative Agriculture Fundamentals**  **Sem. Hrs:** **3**  Current trends in agroecological farming systems, investigations applications, processes, and/or markets, culminating in student-planned implementations of farm-based projects, practices, products and/or solutions. Fall. |

[Print (opens a new window)](https://catalog.astate.edu/content.php?filter%5B27%5D=AGRI&filter%5B29%5D=&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=3&expand=&navoid=78&search_database=Filter&print)

[Help (opens a new window)](https://catalog.astate.edu/help.php?catoid=3)