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

NEW OR MODIFIED COURSE PROPOSAL FORM

[ ] **Undergraduate Curriculum Council**

[x] **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.

ENTER DATE... **Department Curriculum Committee Chair**	ENTER DATE... **COPE Chair (if applicable)**
Donald Kennedy 11/3/2022 **Department Chair**	ENTER DATE... **Head of Unit (if applicable)**
David Newman 11/9/2022 **College Curriculum Committee Chair**	ENTER DATE... **Undergraduate Curriculum Council Chair**
Mary Elizabeth Spence 10/18/2022 **Office of Assessment (new courses only)**	ENTER DATE... **Graduate Curriculum Committee Chair**
Mickey Latour 11/17/2022 **College Dean**	Len Frey 3/3/23 ENTER DATE... **Vice Chancellor for Academic Affairs**

ENTER DATE... **General Education Committee Chair (if applicable)**

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1. Contact Person (Name, Email Address, Phone Number)
Dr. Steven Green, sgreen@astate.edu, x3463

2. Proposed starting term and Bulletin year for new course or modification to take effect
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."

3.

	Current (Course Modifications Only)	**Proposed (New or Modified)** *(Indicate "N/A" if no modification)*
Prefix		**AGRI**
Number*		**6263**
Title (include a short title that's 30 characters or fewer)		**Regenerative Agriculture Systems**
Description**		**Discussion and implementation of regenerative agriculture principles and practices relevant to the Delta region. The focus will be on designing practices and implementing them at A-State Farm and/or other nearby farms.**

***** 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.

4. 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).

a. **Yes / No** Are there any prerequisites? **NO**
   a. If yes, which ones?
      Enter text...
   b. Why or why not?
      Enter text...

b. **Yes / No** Is this course restricted to a specific major? **NO**
   a. If yes, which major? Enter text...

5. Proposed course frequency [Modification requested? Yes/No]
(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, "irregular.") *Not applicable to Graduate courses.*

N/A

6. 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

7. 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

8. Yes / No Is this course dual-listed (undergraduate/graduate)? **NO**

9. Yes / No Is this course cross-listed? **NO**
(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...

10. Yes / No Is this course in support of a new program? **NO**
a. If yes, what program?
Enter text...

11. Yes / 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)? **NO**
a. If yes, which course?
Enter text...

Course Details

12. Proposed outline **[Modification requested? Yes/No] 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	Topic of Discussion	Major Assignments
Week 1	Regenerative Agriculture Principles	
Week 2	Minimize soil disturbance	Lead discussion
Week 3	Keep the ground covered	Lead discussion
Week 4	Living roots in soil	Lead discussion
Week 5	Crop diversity/ rotation	Lead discussion
Week 6	Integrate livestock	
Week 7	Pollinators	
Week 8	Polyculture/ relay cropping	
Week 9	GIS planning tools/ Livestock grazing	Project design report
Week 10	Market analysis/ SWOT Analysis	
Week 11	Economics/ Budgeting	Enterprise budget worksheets
Week 12	Final Project design	
Week 13	Final Project implementation	

Week 14	Final Project implementation	
Week 15	Project Data analysis	
Week 16	Consumer behavior surveys	Project presentations

13. Proposed special features **[Modification requested? Yes/No]**
(e.g. labs, exhibits, site visitations, etc.)
Enter text…

14. Department staffing and classroom/lab resources
Enter text…

a. Will this require additional faculty, supplies, etc.? **NO**

Additional faculty not needed.

15. Yes / No Does this course require course fees? **NO**
If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.

Justification

Modification Justification (Course Modifications Only)
16. Justification for Modification(s)
Enter text…

New Course Justification (New Courses Only)
17. Justification for course. Must include:

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

The loss of world's fertile soil and biodiversity pose a threat to our future survival. In the race to feed our growing global population, industrial agriculture has multiple adverse environmental effects. Regenerative agriculture attempts to challenge this global problem while maintaining agricultural productivity. Regenerative agriculture has been in use for some time, and recently there has been a resurgence of interest. This regenerative agriculture course focuses on the five main principles of regenerative agriculture along with other benefits of rebuilding soil organic matter to restore degraded agricultural land.

Course learning outcomes:

1. Students will be able to demonstrate knowledge of the principles of regenerative agriculture.
2. Students will experience and investigate different integrative systems that can work with regenerative agriculture.
3. Students will be able to build a 'Soil Health Mindset'.
4. Students will demonstrate project designing and planning skills
5. Students will conduct data analysis and demonstrate analytical skills relevant to their projects.

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 mission of the College of Agriculture is to discover, develop, and disseminate knowledge in agricultural and environmental systems to serve and benefit our students, the agricultural community and society. As such, this course serves our students by preparing them with the technical knowledge and analytical skills needed to evaluate agricultural management and land-use activities that are/can be used in various careers in agriculture and natural resource management.

c. Student population served.

This course serves students in the College of Agriculture and Environmental Sciences graduate programs.

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

This is a graduate level course (6000 level). The course utilizes information learned in undergraduate courses general to the topics of agriculture and environmental science and applies it specifically to regenerative agriculture, soil health management, and integrating different systems and tools.

Assessment

Assessment Plan Modifications (Course Modifications Only)

18. Yes / 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")

19. 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?

PLO1: Students will demonstrate depth in a concentration area to support their professional goals.

PLO2: Students will demonstrate both verbal and written communication skills.

PLO3: Students will develop advanced skills in critical thinking and analysis applied to solve relevant problems.

This course supports PLOs 1, 2, and 3

20. 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.

Program-Level Outcome 1 (from question #19)	Students will demonstrate depth in a concentration area to support their professional goals.
Assessment Measure	Successful development (Pass in a Pass/Fail class) of a work plan related to the student's professional goals and interests with input and review by major advisor and instructor in AGRI 6362 (Graduate Communication Skills I, Developing Work Plans
Assessment Timetable	Fall semesters of even years
Who is responsible for assessing and reporting on the results?	Instructor of AGRI 6362; review by CoA Graduate Committee and CoA Assessment Committee.

Program-Level Outcome 2 (from question #19)	Students will demonstrate both verbal and written communication skills.
Assessment Measure	Successful completion of written work plan with approval by major advisor and instructor in AGRI 6371. Successful (Pass) slideshow presentation of work plan or thesis to faculty and students in a seminar setting.
Assessment Timetable	Spring semesters of even years.
Who is responsible for assessing and reporting on the results?	Instructor of AGRI 6371; review by CoA Graduate Committee and CoA Assessment Committee.
Program-Level Outcome 3 (from question #19)	Students will develop advanced skills in critical thinking and analysis applied to solve relevant problems.
Assessment Measure	Successful completion of the Comprehensive/Final Defense Exam in front of graduate advisory committee.
Assessment Timetable	Spring semesters of odd years.
Who is responsible for assessing and reporting on the results?	Major advisors; review by CoA Graduate Committee and CoA Assessment Committee.

Course-Level Outcomes

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

Outcome 1	Students will be able to confidently explain the principles of Regenerative agriculture.
Which learning activities are responsible for this outcome?	Lead discussion of one principle of Regenerative Agriculture and participate in the group discussion of other Regenerative Agriculture principles.
Assessment Measure	Grade discussion leader presentation with rubric.
Outcome 2	Students will be able to design integrated framing systems plan using Geographic Information Systems (GIS).
Which learning activities are responsible for this outcome?	GIS software tutorials and lab assignments.
Assessment Measure	Assess the project design report/plan with rubric.
Outcome 3	Students will be able to develop an Enterprise budget for a regenerative farming system.
Which learning activities are responsible for this outcome?	Lectures on agriculture budgets, show examples of budgets, and develop practical budgeting worksheets.
Assessment Measure	Evaluate Enterprise budget worksheets with all the costs and returns using a rubric.

Bulletin Changes

Instructions

Please visit 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.**

Agriculture

- AGRI 619V - Thesis
- AGRI 638V - Independent Study
- AGRI 5233 - Experimental Agricultural Statistics
- AGRI 5433 - Organic Agriculture Production
- AGRI 5523 - Applied Modern Biotechnology
- AGRI 6203 - Intermediary Metabolism
- AGRI 6213 - Experimental Designs
- AGRI 6243 - Environmental Sustainability
- AGRI 6253 - Agroecosystems Analysis

AGRI 6263 – Regenerative Agriculture Systems

- AGRI 6303 - Global Water Issues
- AGRI 6351 - Graduate Seminar, Research Orientation
- AGRI 6362 - Graduate Communication Skills I: Professional Writing
- AGRI 6371 - Graduate Communication Skills II: Professional Presentations
- AGRI 6393 - Non Thesis Research Experience