

RECEIVED

FEB 20 2007

OFFICE OF THE
SENATE COUNCIL

**APPLICATION FOR NEW COURSE
SAG 397
APPRENTICESHIP IN SUSTAINABLE AGRICULTURE**

| | | | | | | | |
|----|---|--|---|---|--|-------------------------------------|--------|
| 1. | Submitted by College of | AGRICULTURE | Date | JULY 2006 | | | |
| | Department/Division offering course | NOT APPLICABLE | | | | | |
| 2. | Proposed designation and Bulletin description of this course | | | | | | |
| | a. | Prefix and Number | SAG 397 | b. Title* | APPRENTICESHIP IN SUSTAINABLE AGRICULTURE | | |
| | | *NOTE: If the title is longer than 24 characters (including spaces), write | | | | | |
| | | A sensible title (not exceeding 24 characters) for use on transcripts | | APPRENTICE. SUSTAIN. AGRIC. | | | |
| | c. | Lecture/Discussion hours per week | --- | d. Laboratory hours per week | Determined by learning contract | | |
| | e. | Studio hours per week | NOT APPLICABLE | f. Credits | 3 | | |
| | g. | Course description Provides students with hands-on experience operating an organic community supported agriculture produce farm and marketing its harvest in the local community. Students receive training across the full range of production and marketing activities under the guidance of the Course Coordinator and the professional staff of the farm management team. | | | | | |
| | h. | Prerequisites (if any) SAG 101 and SAG 201, or consent of instructor | | | | | |
| | i. | May be repeated to a maximum of | NOT APPLICABLE | (if applicable) | | | |
| 4. | To be cross-listed as | | | | | | |
| | | NOT APPLICABLE | | Signature, Chairman, cross-listing department | | | |
| | | Prefix and Number | | | | | |
| 5. | Effective Date | Summer 2007 | (semester and year) | | | | |
| 6. | Course to be offered | <input checked="" type="checkbox"/> | Fall | <input checked="" type="checkbox"/> | Spring | <input checked="" type="checkbox"/> | Summer |
| 7. | Will the course be offered each year? | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No | | |
| | (Explain if not annually) | | | | | | |
| 8. | Why is this course needed? This course is a required core course in the proposed new undergraduate major, Sustainable Agriculture. | | | | | | |
| 9. | a. | By whom will the course be taught? | Dr. Mark A. Williams, Dept. Horticulture | | | | |
| | b. | Are facilities for teaching the course now available? | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No | |
| | | If not, what plans have been made for providing them? | | | | | |

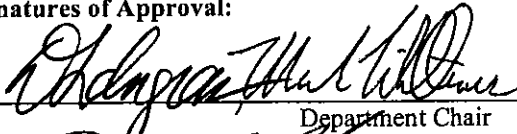
APPLICATION FOR NEW COURSE
SAG 397 Apprenticeship in Sustainable Agriculture (cont.)

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|-----|--|--|-----------------|-------------------------------------|----|
| 10. | What enrollment may be reasonably anticipated? | 5 to 15 | | | |
| 11. | Will this course serve students in the Department primarily? | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| | The course will primarily serve students within the Sustainable Ag minor and others looking for practical experience. | | | | |
| | Will it be of service to a significant number of students outside the Department? | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| | If so, explain. | | | | |
| | We believe other students from other majors will be interested in this as an elective. | | | | |
| | Will the course serve as a University Studies Program course? | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| | If yes, under what Area? | | | | |
| 12. | Check the category most applicable to this course | | | | |
| | <input type="checkbox"/> | traditional; offered in corresponding departments elsewhere; | | | |
| | <input type="checkbox"/> | relatively new, now being widely established | | | |
| | <input checked="" type="checkbox"/> | not yet to be found in many (or any) other universities | | | |
| 13. | Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky? | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 14. | Is this course part of a proposed new program: | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| | If yes, which? | | | | |
| | MINOR IN SUSTAINABLE AGRICULTURE | | | | |
| 15. | Will adding this course change the degree requirements in one or more programs?* | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| | If yes, explain the change(s) below | | | | |
| 16. | Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used. | | | | |
| 17. | If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted. Check here if 100-200. | | | | |
| 18. | If the course is 400G or 500 level, include syllabi or course statement showing differentiation for undergraduate and graduate students in assignments, grading criteria, and grading scales. <input type="checkbox"/> Check here if 400G-500. | | | | |
| 19. | Within the Department, who should be contacted for further information about the proposed course? | | | | |
| | Name | Dr. Mark Williams, Department of Horticulture | Phone Extension | 257-2638 | |

*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.

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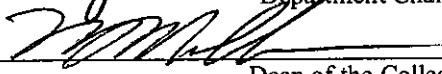
Signatures of Approval:



Department Chair

10/23/06

Date



Dean of the College

11/15/07

Date



*Undergraduate Council

Date of Notice to the Faculty

2/06/07

Date

*University Studies

Date

*Graduate Council

Date

*Academic Council for the Medical Center

Date

*Senate Council (Chair)

Date of Notice to University Senate

*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL

SUSTAINABLE AGRICULTURE 397

SUSTAINABLE AGRICULTURE APPRENTICESHIP

Anticipated Initial Offering: Spring/Summer2007

Ten to fifteen hour per week to be scheduled through Course Coordinator

COORDINATOR

Dr. Mark Williams
322 Ag Sciences North
University of Kentucky
Office Phone: (859) 257-3376
Email: mawillia@uky.edu
Office Hours: By appointment

COURSE DESCRIPTION

SAG 397, the Sustainable Agriculture Apprenticeship, provides students with an experiential learning opportunity through work on the organic community supported agriculture (CSA) farm at the Horticultural Research Station in Lexington. Under the supervision of the Course Coordinator and farm manager, students are trained in production practices including seed germination and transplanting, irrigation, maintenance of soil fertility, pest management, equipment operation and maintenance. Student responsibilities also include the weekly harvest, preparation and delivery of produce to CSA members during the growing season. SAG 397 is completed by starting in the spring semester and continuing through both summer semesters, or starting with the four week summer semester and continuing through the fall semester. Students registering for the spring/summer option will receive an I (incomplete) at the end of the spring semester which will be changed to a letter grade upon completion of the apprenticeship. Students registering for the summer/fall option will receive their grade at the end of the fall semester. Students arrange their work schedule with the Course Coordinator and are required to work an average of ten to fifteen hours per week for a cumulative total of no less than 250 hours. Students taking SAG 397 must be prepared to work reliably and safely under the sometimes taxing conditions experienced on a commercial farm.

COURSE OVERVIEW

SAG 397 provides students with hands-on experience operating an organic produce farm and marketing its harvest in the local community. Students receive training across the full range of production and marketing activities under the guidance of the Course Coordinator and the professional staff of the farm management team. Apprentices also have opportunities to interact and learn from academics working with organic systems on the Research Station. By overlapping two academic semesters, SAG 397 introduced students to the seasonal nature of market gardening and affords them a broader range of experiences.

LEARNING OBJECTIVES

Upon completion of this course, students should be able to:

~ Perform the fundamental management practices needed to establish and maintain a small-scale organic produce production system including seedling establishment, fertility management, pest control, harvest, and equipment operation and maintenance.

~ Understand how the CSA model functions and gain direct marketing experience by participating in the weekly delivery of shares to CSA members.

~ Serve as a responsible and productive member of a work crew that sets goals, shares responsibilities, coordinates activities, follows through on commitments, and meets objectives.

~ Express in written and oral form the technical knowledge and personal insight gleaned during the apprenticeship experience.

~ Convey a working knowledge of the organic produce production and the certification process and identify significant management issues for converting a conventional management system to a certified one.

PERFORMANCE EVALUATION

There is no final examination in this course. Grades are determined on a cumulative scale of 100 points calculated as follows:

| | |
|--|-----------|
| Evaluation by Course Coordinator | 60 points |
| End of semester oral semester presentation | 20 points |
| Work journal | 20 points |

There is no final examination in this course.

The general letter grade assignments will be as follows:

| | |
|-------------|---|
| ≥ 90 points | A |
| 80-89 | B |
| 70-79 | C |
| 61-70 | D |

Evaluation by Course Coordinator. The Course Coordinator in consultation with members of the farm staff will assess each student's contribution to the CSA's learning environment and operational success. Criteria include dedication to work assignments, commitment to achieving group objectives, positive interaction with fellow apprentices, farm staff and CSA members, and demonstration of technical prowess.

End of semester oral presentation. Each student will develop and deliver an original oral presentation based on their apprenticeship experience to a gathering of peers and farm staff. The presentation may address specific subjects related to production and marketing, such as a review of current research on conservation tillage or CSA management. Students may also elect to develop more personal presentations that convey intellectual, philosophical, or aesthetic insight derived from their apprenticeship experience. Presentations are expected to last between fifteen and twenty minutes and students should receive prior approval of their topic from the Course Coordinator.

Work log and journal. Students spend the last fifteen minutes of each work shift composing a personal work log and journal. Students are required to record the tasks that they undertook and completed during the shift and characterize pertinent environmental conditions such as the lack or abundance of precipitation, level of pest pressure, or status of crop maturity. On days when students deliver produce to CSA members, they will identify the share contents and discuss their interactions with CSA members. Work journal and log entries are meant to be personal and informal, and afford apprentices the opportunity to reflect upon their individual contribution to the successful operation of the farm. Farm staff will periodically review the work log and journal during the apprenticeship and provide feedback.

COURSE POLICIES

Scheduling and fulfilling work shifts. The successful operation of the CSA depends upon the consistent and reliable productivity of the apprentices who work there. Students are responsible for arranging a suitable shift schedule with the farm managers at the beginning of the semester. In agreeing to this schedule, students commit to being an integral part of the work team. Being on time, prepared to work and task oriented is essential for the apprentice to maximize their achievement and performance evaluation in this course.

No form of plagiarism or cheating will be tolerated. The University of Kentucky maintains that any student committing such offenses must receive a 0/E for the assignment. The University reserves the right to levy additional punishment, including possible expulsion from the university. Specific procedures related to cheating/plagiarism can be found in your copy of the *Student Rights and Responsibilities* booklet.

Disability. If you have a disability that requires special accommodation during class or for completion of assignments, please tell the instructors at the beginning of the semester.

Support for students. We are looking forward to a constructive, interactive learning environment. If you are having problems with the course, please come see the instructors sooner, rather than later. If you cannot come during scheduled office hours, email to make an appointment. Feel free to talk to us about your problems and we'll do our best to correct them.