

FEB 20 2007

UNIVERSITY OF KENTUCKY
REQUEST FOR NEW UNDERGRADUATE MINOR OR CHANGE IN MINOR OFFICE OF THE
SENATE COUNCIL

Program Sustainable Agriculture (proposed)

Minor Sustainable Agriculture (proposed)

Department Horticulture College Agriculture

Bulletin PP NOT APPLICABLE

CIP Code --- UK ID No. --- HEGIS Code ---

Accrediting Agency Southern Association of Colleges and Schools

New Minor Sustainable Agriculture

Minor Prerequisites	<u>ECO 201 Principles of Economics I</u>	<u>3 hours</u>
Minor Requirements	<u>SAG 101 Introduction to Sustainable Agriculture Principles</u>	<u>3 hours</u>
	<u>SAG 201 Cultural Perspectives on Sustainability</u>	<u>3 hours</u>
	<u>SAG 397 Apprenticeship in Sustainable Agriculture</u>	<u>3 hours</u>
	Select one of: <u>GEO 210 Pollution Hazards and Environmental Management</u>	<u>3 hours or</u>
	<u>GLY 210 Habitable Planet: Earth systems evolution</u>	<u>3 hours or</u>
	<u>PLS 366 Fundamentals of Soil Science ^a</u>	<u>4 hours</u>
	Select one of: <u>AEC 302 Agricultural Management principles ^b</u>	<u>3 hours or</u>
	<u>AEC 305 Food and Agricultural Marketing Principles ^b</u> <u>AEC 445G Intro. to Resource and Environmental Econ. ^b</u>	<u>3 hours or</u> <u>3 hours</u>
Select one of: <u>SOC 360 Environmental Sociology ^c</u>	<u>3 hours or</u>	
<u>GEN 501 Agricultural and Environmental Ethics ^d</u>	<u>3 hours</u>	
^a Prerequisite: CHE 105		
^b Prerequisite: ECO 201		
^c Prerequisite: SOC 101		
^d Prerequisite: Senior standing		

Minor Electives NONE

Total Hours Required 21 to 22

Rationale for Proposal

As the UK community broadens the discussion of sustainability, the College of Agriculture wants to help advance that discussion. We feel that it is vitally important for the College to engage students from non-agricultural backgrounds so that agriculture enjoys a broader societal support base. One vehicle for this is creation of a Minor for students who have an interest in sustainable agriculture and/or who desire to integrate sustainable agriculture knowledge and experience into their major. The intent of the Minor is to expose students to (i) basic principles in sustainable agriculture; (ii) experience in the operation of a sustainable farm operation; and (iii) elements of a three pillar sustainability framework of economic profitability, environmental stewardship, and social responsibility within our food system. We anticipate that students from a wide variety of majors (both inside and outside the College of Agriculture) would benefit from the minor and it has the potential to greatly expand appreciation for agriculture. The minor would also enhance the programs of specific students. For instance, students interested in environmental law, natural resource management, civil engineering, and even literature studies could directly apply their knowledge and experiences of sustainable agriculture. These are just a few of the many potential examples.

Resources for this program. Many of these courses are already being taught and this poses no problem with respect to resources. The new SAG courses will be handled through redistribution of teaching responsibilities across several faculty instrumental in putting this program together (Mark Williams, Herb Strobel, and others). Also, a lecturer, Mr. Mark Keating, has been hired and he is already teaching SAG 101 as a special topics course. We foresee no need for significant new resources to offer this minor.

UNIVERSITY OF KENTUCKY
REQUEST FOR NEW UNDERGRADUATE MINOR OR CHANGE IN MINOR

Change in Minor Requirements NOT APPLICABLE

Rationale for Proposal NOT APPLICABLE

Will this program be printed in the Bulletin? Yes No

Signatures of Approval:


Program Director

1/15/07
Date


Department Chair

Date


Dean of the College

1/15/07
Date

Date of Notice to the Faculty


Undergraduate Council

2/06/07
Date

Graduate Council

Date

Academic Council for the Medical Center

Date

Senate Council (Chair)

Date of Notice to University Senate

ACTION OTHER THAN APPROVAL

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FEB 20 2007

OFFICE OF THE
SENATE COUNCIL

UNIVERSITY SENATE ROUTING LOG

Proposal Title: Minor in Sustainable Agriculture, new courses, cross-listing, and applications for USP and Writing Requirement

Name/email/phone for proposal contact: Dr. Mike Mullen, mike.mullen@uky.edu, 257-3430

Instruction: To facilitate the processing of this proposal please identify the groups or individuals reviewing the proposal, identify a contact person for each entry, provide the consequences of the review (specifically, approval, rejection, no decision and vote outcome, if any) and please attach a copy of any report or memorandum developed with comments on this proposal.

Reviewed by: (Chairs, Directors, Faculty Groups, Faculty Councils, Committees, etc)	Contact person Name (phone/email)	Consequences of review:	Date of Proposal Review:	Review Summary Attached? (Yes/No)
Sustainable Agriculture Curriculum Committee	Dr. Mark Williams.	This interdepartmental committee is responsible for the proposal	October 16, 2006	Yes, see final letter of transmittal from Committee in proposal package.
College Undergraduate Curriculum Committee	Dr. Mike Mullen	Proposal Approved	October 24, 2006	Yes, see minutes attached
College of Agriculture Faculty Vote	Dr. Mike Mullen	Approved in a small turnout, 16-2. Faculty were provided three weeks to vote.	November 22, 2006	Yes, See record of College Faculty online vote in the appendices.

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FEB 20 2007

OFFICE OF THE
SENATE COUNCIL



January 15, 2007

MEMO

To: Dr. Phil Kraemer
Associate Provost

From: Dr. Mike Mullen
Associate Dean

A handwritten signature in black ink, appearing to read 'Mike Mullen', written over the printed name.


College of Agriculture
Associate Dean for Academic Programs
N6 Agricultural Science Bldg. North
Lexington, KY 40546-0091
(859) 257-3468
www.uky.edu

Re: Curriculum Proposal in Sustainable Agriculture

The College of Agriculture is involved in sustainability issues on many fronts, including curriculum. A Committee was appointed on September 20, 2005 to begin designing a BS Degree in Sustainable Agriculture. This committee deliberated for the next year, producing a very detailed proposal. Discussions on the final form of the Major are still underway, and we anticipate submission of the BS degree proposal during the Spring 2007 semester after details on requirements outside of the core are agreed on. However, the Curriculum Development Committee, the College Undergraduate Curriculum Committee, and the College faculty have approved a new Minor in Sustainable Agriculture, and a suite of courses to accompany both the major and minor. We feel it is important to establish the minor and the courses now, so that students with an interest can be served well. Note that in the Faculty vote, turnout was low, with 16 affirmative votes and two opposed. The opposing votes are based on not having the major approved first. The Curriculum committee was unanimous in its support of sending the minor and courses forward prior to finishing the major.

We have already initiated much work related to this program, including: development of a student-run organic produce operation at the Horticultural Research and Education Center; College sponsorship of activities at the GREEN Living-Learning Community, including monthly Local Food dinners; and cooperative learning ventures between Horticulture, Architecture, and Landscape Architecture. We have a small number of students already "in the major" via our Individualized Curriculum degree, and the SAG 101 (Introduction to Sustainable Agriculture) course was taught this fall as GEN 109 with an enrollment of 13 students. We propose that this course become a USP Natural Sciences course as well.

In this packet, we are requesting the following:

- Approval of a minor in Sustainable Agriculture
- Approval of five new courses: SAG 101, 201, 395, 397, and 490
- Approval of a Cross-listing of PLS 386 as SAG 386
- Approval of SAG 101 as a USP Natural Sciences Course 
- Approval of SAG 201 as a Graduation Writing Initiative Course

We look forward to hearing back from the Council. Contact me if you have questions.



UNIVERSITY
OF KENTUCKY

College of Agriculture

Mark A. Williams, Ph.D., Assistant Professor

DEPARTMENT OF HORTICULTURE

N-322D Agricultural Science Building-North

Lexington, Kentucky 40546-0091

Office: (859) 257-2638 Fax: (859) 257-2859

e-mail: mawillia@uky.edu

16 October 2006

To: Michael Mullen, Associate Dean for Academic Programs, College of Agriculture

**From: Mark A. Williams, Chair, Sustainable Agriculture Curriculum Committee
Herb Strobel, Animal & Food Sciences**

Re: Proposed Sustainable Agriculture Curriculum

A proposal for a Bachelor of Science degree in Sustainable Agriculture was originally submitted to your office in July 2006. The College Undergraduate Curriculum Committee has been considering the proposal during September, and this memo provides follow-up to those discussions as well as a revised proposal for moving forward with a Sustainable Agriculture curriculum.

We found the committee discussions constructive and encouraging. There were many positive comments and the general feeling was that a Sustainable Agriculture curriculum is a worthwhile pursuit. There were also some comments and criticisms that revolved around the logistics of offering the program and a perceived lack of flexibility in the curriculum.

We have met and extensively communicated with you over the last four weeks regarding the proposed major and curriculum. These discussions have included issues raised by the Committee and general strategies on how to proceed forward with this exciting curriculum. *After careful and thoughtful consideration, we propose the following modifications to the original Sustainable Agriculture proposal and would appreciate you communicating these to the College Committee.*

Phased-in program. After considerable discussion, it appears that it would be advantageous to incrementally 'phase-in' an undergraduate program in Sustainable Agriculture. An incremental strategy is based on the need for continued discussion on core requirements and specialty support classes for the major. The opportunity to have the new courses in place will allow us to serve the students already interested in this program, either through the BS in individualized programs or the minor. *Therefore, we propose that the Sustainable Agriculture curriculum described below be offered in the context of the Individualized Programs major that already exists in the College.*

We propose that approval be given for a series of new SAG courses (SAG 101, 201 395, 397, 490). This would create the new "SAG" prefix and effectively allow students to participate in an identifiable SAG curriculum. This is the general model that was used to initiate the now successful NRCM and ABT programs. Once an appropriate level of student interest was documented, a stand-alone Sustainable Agriculture major could be pursued.

We propose that a Sustainable Agriculture curriculum be offered within the framework of the existing Individualized Programs major. In addition, we propose five (5) new SAG courses and cross-listing of PLS 386 as PLS/SAG 386.

Minor in Sustainable Agriculture in the College of Agriculture

Overview. As the UK community broadens the discussion of sustainability, the College of Agriculture wants to help advance that discussion. We feel that it is vitally important for the College to engage students from non-agricultural backgrounds so that agriculture enjoys a broader societal support base. One vehicle for this is creation of a Minor for students who have an interest in sustainable agriculture and/or who desire to integrate sustainable agriculture knowledge and experience into their major. The intent of the Minor is to expose students to (i) basic principles in sustainable agriculture; (ii) experience in the operation of a sustainable farm operation; and (iii) elements of a three pillar sustainability framework of economic profitability, environmental stewardship, and social responsibility within our food system. We anticipate that students from a wide variety of majors (both inside and outside the College of Agriculture) would benefit from the minor and it has the potential to greatly expand appreciation for agriculture. The minor would also enhance the programs of specific students. For instance, students interested in environmental law, natural resource management, civil engineering, and even literature studies could directly apply their knowledge and experiences of sustainable agriculture. These are just a few of the many potential examples.

Requirements. The framework of the Minor is structured on a suite of new courses in Sustainable Agriculture (SAG). Specifically, SAG 101 and 201 will provide minor students with a firm introduction to sustainable agriculture. Students in the minor will also be required to participate in the operation of a student-run sustainable farm enterprise (SAG 397), thus gaining valuable experiential knowledge. The farm operation is already in place at the Horticultural Research and Education Center at the intersection of Man O'War and Nicholasville Roads. Students will also be required to take one of several selected courses from each of the sustainability clusters. Based on the pre-requisites of these courses, the minor pre-requisite will be ECO 201. Students who enroll in PLS 366 will first need to complete CHE 105 (or obtain the consent of the instructor) and those wishing to take GEN 501 will need to have senior standing. Dr. Karl Raitz of Geography and Dr. William A. Thomas of Environmental Earth Sciences have agreed to allow GEO 210 and GLY 210, respectively, to serve as co-requirements in the curriculum.

We are also proposing one other SAG course at this time. SAG 395 (Research in Sustainable Agriculture) will be available for students wanting more credit for experiential learning in sustainable agriculture, working more closely with one of several faculty engaged in this effort.



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UNIVERSITY OF KENTUCKY

OFFICE OF THE
SENATE COUNCIL*Dream • Challenge • Succeed***PROVOST BUDGET OFFICE**

March 5, 2007

Dr. Kaveh Tagavi, Chair
University Senate Council
201 Main Building
CAMPUS 0032

Dear Dr. Tagavi:

I am writing, on behalf of the Provost, concerning the feasibility of the proposed minor in Sustainable Agriculture in the College of Agriculture. I understand the proposal has been approved by the Undergraduate Council which forwarded its recommendation to the Faculty Senate.

I discussed this with Dr. Mike Mullen, Associate Dean for Academic Programs in the College of Agriculture. He knows of no reason why the College cannot easily handle the additional requirements that this minor might impose. The area of sustainability is a College priority area at this time, and this minor and courses in sustainable agriculture, are part of our response to this growing need. Given current demand, he expects perhaps 10 to 15 students in the minor, and another 15-20 taking sustainable agriculture courses from other agriculture degree programs at any time. Student numbers in our traditional plant science programs have been declining, and we hope that this program will attract non-traditional students to this area of agricultural study.

From a resource perspective, this will not impose problems. The College has one faculty member, Dr. Mark Williams, whose program is being directed into sustainable agricultural systems, and he will be coordinating the minor, and teaching some of the courses (SAG/PLS 386 and SAG 397). They also recently hired Mr. Mark Keating as a lecturer. Mr. Keating has a wealth of experience in sustainable agriculture, at the non-profit and USDA levels. He is already teaching what will be the SAG 101 course as a special topic (GEN 109 – Fall 2006 and Spring 2007, with 10 students each semester). He will also teach the SAG 201 course. Dr. Strobel in Animal and Food Sciences is also planning to coordinate the SAG 395 course, while Dr. Victoria Bhavsar will teach the SAG 490 course. Students in the minor will be advised as needed by one of several faculty advisors, especially Mr. Keating. The College can schedule the courses into existing classrooms in Agricultural Science North and Garrigus buildings. Also, the College has been developing resources at the Horticultural Research and Education Center at the South Farm for the past few years which will be used in the courses and in the minor. This includes a several acre organic vegetable production system which will be part of the educational process.

Provost Budget Office

355 Patterson Office Tower • Lexington, Kentucky 40506-0025

(859) 257-6499 • fax (859) 257-1797

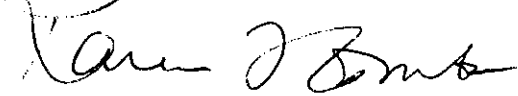
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Dr. Kaveh Tagavi, Chair
University Senate Council
March 5, 2007
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Administratively, the addition of these courses and perhaps 10-15 students in the minor poses little additional workload. The College has the resources necessary to move forward with the program. I am certifying this program as administratively feasible.

Sincerely,

A handwritten signature in black ink, appearing to read "Karen T. Combs". The signature is fluid and cursive, with the first name "Karen" being the most prominent.

Karen T. Combs

Cc: Kumble Subbaswamy
Heidi Anderson
Jeannine Blackwell
Connie Ray
Phil Kraemer

From: Robert B. Grossman [robert.grossman@uky.edu]
Sent: Wednesday, March 28, 2007 1:44 PM
To: Brothers, Sheila C
Subject: Re: Pending AP Items

Good afternoon, Bob. Can you let me know if the AP Cmte will be able to review four (of the five) pending proposals (MA to PhD in Anthropology, new minor in Sustainable Agriculture; new major of BA in International Studies, and new minor in International Studies) by Friday, April 13?

It is very likely there will be a May Senate meeting, in large part to take care of all the outstanding curricular items in committee. If I have the results of the committee's review by April 13th, then the items should be able to be approved at the May meeting.

Minor in Sustainable Agriculture has been approved with no objections.