



College of Agriculture
Office of Academic Programs
N6 Agricultural Science Building North
Lexington, KY 40546-0091
859 257-3469
www.ca.uky.edu/students

August 30, 2009

MEMO

To: UK Undergraduate Curriculum Committee

From: Dr. Mike Mullen, Associate Dean

A handwritten signature in black ink, appearing to read "Mike Mullen", written over a horizontal line.

Re: Change in the Horticulture, Plant and Soil Science BS Degree

Enclosed please find a revision to the HPLS degree program. This revision began in 2007, and has been revised twice during that time with a final version received and approved this past spring. Two major changes occurred here. The total hours required was reduced from 128 to 120, bringing the curriculum into alignment with most College of Agriculture degrees. Secondly, the program currently has seven Areas of Emphasis. These seven areas of emphasis have been reduced to a total of four OPTIONS. These changes are fully laid out in the rationale on page 8 of the proposal.

We look forward to the approval of this proposal.

UNIVERSITY SENATE ROUTING LOG

Proposal Title: Change in UG Program in Horticulture, Plant and Soil Sciences

Contact Person (name, email & phone #): Dr. Todd Pfeiffer, tpfeiffe@email.uky.edu, 257-5020 ext. 80709

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 or no)
Department of Horticulture	Jack Buxton jbuxton@email.uky.edu 257-3781	Approved	8/20/2007	N
Department of Plant and Soil Sciences	Todd Pfeiffer tpfeiffe@email.uky.edu 257-5020 ext. 80709	Approved	8/24/2007	N
College of Agriculture UG Curriculum Committee	Mike Mullen Mike.mullen@uky.edu 7-3469	Approved	Final review on April 22, 2009	Yes

College of Agriculture
Undergraduate Curriculum Committee
Minutes – April 22, 2009

Members Present – Cheryl Mimbs, Dave Williams, Bob Coleman, Bob Houtz, Tammy Stephenson, Donna Smith, Desmond Brown, Lee Edgerton, Mike Mullen

Absent – Clair Hicks, Jim Ringe, Deborah Witham

The committee first considered the changes to MAT 510 & MAT 514. This change allows the courses to be individually as 500 level courses instead of as 599 Special Topics courses, giving undergraduate MAT students more choices at the 500 level. Dr. Dwyer, via e-mail comments, pointed out that the “academic dishonesty” section uses old language and needs to be updated. Proposal was previously approved by the graduate committee. Dr. Williams moved to approve the proposal at the undergraduate level, Dr. Smith seconded. Motion passed unanimously contingent on wording changes.

The next item to be considered was the proposal to allow qualified MAT students, at the undergraduate level, the option of starting a master’s program (Scholars Program) during their senior year. Dr. Houtz moved to approve the scholars program, Dr. Williams seconded. Motion passed unanimously.

ASC 404G was the next item discussed. Dr. Ely is requesting to change the lab to 3 credit hrs. and the lecture to 3 credit hrs. – due to the time spent traveling to the farm, etc. Dr. Mullen requested an updated syllabus from the department. Dr. Smith moved to approve the proposal, Dr. Houtz seconded. Motion passed unanimously.

A proposal change for PLS 220 was sent back to the department to be completed in the proper format and has not been returned at this time. The requested change was to move the 1 hr. lecture & 4 hr. lab to 2 hrs. lecture & 2 hrs. lab. Dr. Smith moved to accept this proposal, contingent upon receiving the update proposal from the department. Dr. Mimbs seconded. Motion passed unanimously.

Discussion about HPLS – Horticulture Plant Science Steering Committee was tabled by the committee. It was then moved to revisit the discussion. The committee wishes to make it a requirement for horticulture majors to complete 3 hrs. of HEM electives (free electives) before

graduation. Dr. Williams moved to accept, Dr. Mimbs seconded. Requirement change passed unanimously.

Meeting was adjourned.

REQUEST FOR CHANGE IN UNDERGRADUATE PROGRAM

Program: Horticulture, Plant and Soil Science	
Formal Option	All options are changing or Specialty Field
(if applicable)	(if applicable)
Department (if applicable): Horticulture; Plant and Soil Sciences	
College (if applicable): AGRICULTURE	
Degree title:	Horticulture, Plant and Soil Sciences
Bulletin pp.:	96-97
CIP Code: 01.1102	UK ID No.:
HEGIS CODE:	
Accrediting Agency (if applicable): NA	

I. PROPOSED CHANGE(S) IN PROGRAM REQUIREMENTS

1. Particular University Studies Requirements or Recommendations for this program.

	Current	Proposed
I. Mathematics	A score of 26 or above on the mathematics section of the ACT, a score of 600 or above on the mathematics section of the SAT, bypass examination, or MA 109	A score of 26 or above on the mathematics section of the ACT, a score of 600 or above on the mathematics section of the SAT, bypass examination or MA 109
II. Foreign Language	Two years of a foreign language in secondary school as indicated on transcripts, or any two-semester sequence (at least six hours) in a single foreign language at the college level.	Two years of a foreign language in secondary school as indicated on transcripts, or any two-semester sequence (at least six hours) in a single foreign language at the college level.
III. Inference-Logic	MA 123	Satisfied by premajor requirement
IV. Written Communication	ENG 104 or Honors	ENG 104 or Honors
V. Oral Communication	Suspended through Fall 2009	Suspended through Fall 2009
VI. Natural Sciences	PLS 104, CHE 105, CHE 115	Satisfied by premajor requirement
VII. Social Sciences	AEC 101, CLD 102	Select 6 Hours from USP List
VII. Humanities	Select 6 Hours from USP List	Select 6 Hours from USP List
IX. Cross-Cultural	Select 3 Hours from USP List	Select 3 Hours from USP List
X. USP Electives (3 must be outside the student's major)	CHE 107, PLS 210 or Bio 150, 151	Select any 6 hours

2. University Graduation Writing Requirement ENG 203W (Pre-major requirement)

3. College Depth and Breadth of Study Requirements (if applicable) (including particular courses required or recommended for this program) NOTE: To the extent that proposed changes in sections 2 through 6 involve additional courses offered in another program, please submit correspondence with the program(s) pertaining to the availability of such courses to your students.

Current	Proposed
GEN 100, ENG 203	GEN 100

4. Premajor or Preprofessional Course Requirements (if applicable)

Current	Proposed
CHE 105	CHE 105* 3
CHE 107	CHE 107* 3
CHE 111	CHE 111 1
CHE 113	CHE 113 2
MA 123	MA 123* 3
	ENG 203W 3
	Total hours 15

*Satisfies USP requirements

5. Credit Hours Required

Current: 128 Proposed: 120

a. Total Required for Graduation: 120

b. Required by level:

100: _____ 200: _____ 300: _____ 45+ at 300 or above _____ 400-500: _____

c. Premajor or Preprofessional (if applicable) 15

f. Hours Needed for a Particular Option or Specialization (if applicable) 18-23

d. Field of Concentration (if applicable) _____

g. Technical or Professional Support Electives (if applicable) 21

e. Division of Hours Between Major Subject and Related Field (if applicable) _____

h. Minimum Hours of Free or Supportive Electives (Required) 3-8

6. Major or Professional Course Requirements. List all courses, showing credit hours in ().

Students may choose 1 of 4 Options in the Horticulture, Plant and Soil Science program – Horticulture Enterprise Management; Turfgrass Science; Crops and Livestock; and Crop, Soil & Horticulture Science. All students take Major Requirements listed below. Then depending on their Option, take specific courses and 21 hours of Specialty Support courses some of which may be specified. Option requirements follow Major Course Requirements.

Current		Proposed	
Course	hours	Course	hours
AEC 101	3		
CLD 102	3		
PLS 104	3	PLS 104	3
PLS 210	3	PLS 210 or	3
		BIO 150 & 152*	6
PLS 220	3	PLS 220	3
PLS 366	4	PLS 366	4
PLS 386	4	PLS 386	4

PLS 490	3	PLS 490	3
		PLS 404	4
		PLS 470G	3
		PLS 399 or 395	3
Total Major Core Requirements	26		30-33

*Students in the Crop, Soil and Horticulture Science Option take BIO 150/152

OPTION REQUIREMENTS:

Horticulture Enterprise Management Option

Current Course	Proposed	
	Course	hours
PLS 100	PLS 100	1
PLS 404		
PLS 440	PLS 440	3
PLS 465	PLS 465	3
PLS 520	PLS 520	4
PPA 400G	PPA 400G	3
Select one course from	Select 9 credit hours from the following courses	
PLS 352	PLS 320	4
PLS 451	PLS 330	2
PLS 525	PLS 332	2
Select 10 additional credit hours from PLS courses	PLS 352	3
	PLS 451	3
	PLS 515	3
	PLS 525	3
	Other PLS courses with consent of advisor	
	Total Option Hours	23

Specialty Support Requirements

Current	Proposed	
Credit hours		
24	Total Specialty Support hours	21

Electives

Current		Proposed	
Credit hours	8	Total Elective hours in addition to 6 hrs USP Area X	3

Requirement Summary for Horticulture Enterprise Management Option

University Studies	25
Pre-major Requirements	15
College of Agriculture	3
Horticulture, Plant and Soil Science Core	30
Option	23
Specialty Support	21
Elective	<u>3</u>
Total	120

Turfgrass Science Option

Current	Proposed	
Course	Course	hours
PLS 515	PLS 515	3
PPA 400G	PPA 400G	3
	PLS 514	3
PLS 404		
	Select additional 9 credit hours of PLS courses	9
	Total Option hours	18

Specialty Support Requirements

Current	Proposed	
Course	Course	hours
ENT 320	ENT 320	3
CHE 226 or CHE 236	CHE 226 or CHE 236	3
	Select additional 15 credit hours of specialty support	
	Total Specialty Support hours	21

Electives

Current	Proposed	
24	Total Elective hours in addition to 6 hrs USP Area X	8

Requirement Summary for Turfgrass Science Option

University Studies	25
College of Agriculture	3
Pre-major Requirements	15
Major	30
Option	18
Specialty Support	21
Elective	<u>8</u>
Total	120

Crops and Livestock Option

Current	Proposed	
Course	Course	hours
BIO 304		
PLS 404		
PLS 468G		
	PLS 510	3
	Select 15 credit hours of additional PLS courses	15
	Total Option hours	18

Specialty Support Requirements

Current	Proposed	
Course	Course	hours
CHE 236	CHE 236	3
ASC 106	Earn a minor in Animal Science	18
ASC 120		
ASC 362		
ASC 364		
ASC 382		
	Total Specialty Support hours	21

Electives

Current	Proposed	
21	Total Elective hours in addition to 6 hrs USP Area X	8

Requirement Summary for Crops and Livestock Option

University Studies	25
College of Agriculture	3
Pre-major Requirements	15
Major	30
Option	18
Specialty Support	21
Elective	<u>8</u>
Total	120

Crop, Soil & Horticulture Science Option

Current	Proposed	
Course	Course	hours
Various requirements in the different areas of emphasis	PLS courses selected with consent of advisor.	18
	Total Option hours	18

Specialty Support Requirements

Current	Proposed	
Course	Course	hours
CHE 230	CHE 226 or CHE 230 or CHE 236	3
BIO 304		
STA 291	STA 291	3
Select additional 15 credit hours with advisor approval	Select additional 15 credit hours from following list or other science courses selected with consent of advisor	
	BIO 304	4
	BIO 308	3

	BIO 315	3
	BIO 430G	3
	GLY 220	3
	PHY 211	5
	PHY 213	5
	CHE 231	2
	CHE 232	3
	CHE 233	2
	Total Specialty Support hours	21

Electives

Current		Proposed	
Credit hours	12	Total Elective hours in addition to 6 hrs USP Area X	5

Requirement Summary for Crop, Soil & Horticulture Science Option

University Studies	25
Pre-major Requirements	15
College of Agriculture	3
Major	33
Option	18
Specialty Support	21
Elective	<u>5</u>
Total	120

Summary of Horticulture, Plant and Soil Science Program Requirements by Option

Requirements	Horticulture, Plant and Soil Science Options			
	Horticulture Enterprise Management	Turfgrass Science	Crops and Livestock	Crop, Soil & Horticulture, Science
University Studies	25	25	25	25
College of Agriculture	3	3	3	3
Pre-major	15	15	15	15
Major	30	30	30	33
Option	23	18	18	18
Specialty Support	21	21	21	21
Electives (in addition to 6 hrs USP Area X)	3	8	8	5
Total	120	120	120	120

7. Minor Requirements (if applicable)

Current	Proposed
None	Crops and Livestock option requires minor in Animal Science

Total Hours: 120

8. Rationale for Change(s): (If rationale involves accreditation requirements, please include specific references to those requirements.)

The program currently consists of seven Areas of Emphasis. In the proposed program Areas of Emphasis will be changed to Options. Turfgrass Science and Horticulture Enterprise Management consistently have the highest enrollments and therefore remain as Options in the proposed program. Crops and Livestock will also remain an Option. Horticulture Science; Plant Pest Management; Soil and Water Environmental Science; and Crops and Soils Areas of Emphasis will be merged to create the Crop, Soil & Horticulture Science Option. AEC 101 and CLD 102 were dropped from Major requirements; other USP Social Science courses are satisfactory for majors. Pre-major requirements, CHE 105, CHE 111, CHE 107 and CHE 113, now satisfy Area VI Natural Science requirements, MA 123 satisfies Area I requirement and ENG 203 W satisfies Area VI Graduation Writing requirement. Area X Elective requirement now is unspecified. Under Major Requirements, BIO 150 & 152 are degree requirements for the Crop, Soil and Horticulture Science Option; whereas PLS 210 is the degree requirement for other Options. PLS 404 Integrated Weed Science, PLS 470G Soil Nutrient Management and PLS 399 Experiential Learning or PLS 395 Special Problems were added to the Core requirements. These are important courses for majors and were previously required or highly recommended under most Areas of Emphasis.

The total hours to graduate was reduced from 128 to 120. Reducing the College of Agriculture requirement from nine (GEN 100, GEN 200 and ENG 203) to three credit hours (GEN 100) reduced the necessity for 128 credit hours for graduation.

9. List below the typical semester by semester program for a major.

Example: Horticulture Enterprise Management Option, Minor – Agricultural Economics

	Course	hours		Course	hours
1st Year, Fall	ENG 104	4	Spring	CHE 105	3
	PLS 104	3		CHE 111	1
	Social Science	3		Humanities	3
	MA 123	3		Elective	3
	PLS 100	1		GEN 100	3
				ECO 201*	3
	Total	14		Total	16
2nd Year, Fall	CHE 107	3	Spring	PLS 440	3
	CHE 113	2		PLS 366	4
	PLS 210	3		Cross Cultural	3
	PLS 220	3		AEC 305*	3
	ENT 320*	3		Humanities	3
	Total	14		Total	16
3rd Year, Fall	PLS 386	4	Spring	PLS 520	4
	PLS 320	4		Specialty support*	3
	PLS 465	3		ENG 203W	3
	AEC 320*	3		AEC 303*	3
				AEC 309*	3
	Total	14		Total	16
4th Year, Fall	PPA 400G	3	Spring	PLS 490	3
	PLS 451	3		PLS 404	4
	PLS 330	2		PLS 470G	3
	AEC 324*	3		PLS 399	3
	Area X elective	3		Area X elective	3
	Total	14		Total	16

*Specialty Support Courses

REQUEST FOR CHANGE IN UNDERGRADUATE PROGRAM
Signatures of Approval:

PAGE 10

8/20/2007 (Plant and Soil Sciences); 8/24/2007 (Horticulture)

Date of Approval by Department Faculty

See attached original from old form

Reported by Department Chair

4/22/2009

Date of Approval by College Faculty


Reported by College Dean

11/3/2009

*Date of Approval by Undergraduate Council

Reported by Undergraduate Council
Chair

*Date of Approval by Graduate Council

Reported by Graduate Council Chair

*Date of Approval by Health Care Colleges Council (HCCC)

Reported by HCCC Chair

*Date of Approval by Senate Council

Reported by Senate Council Office

*Date of Approval by University Senate

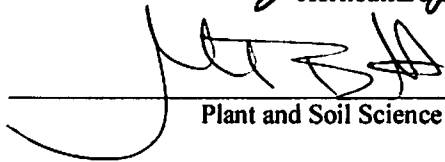
Reported by Senate Council Office

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

Signatures of Approval


Horticulture Department Chair

8/24/07
Date


Plant and Soil Science Department Chair

8/20/07
Date

Dean of the College

Date

Date of Notice to the Faculty

*Undergraduate Council

Date

*University Studies

Date

*Graduate Council

Date

Academic Council for the Medical Center

Date

Senate Council

Date of Notice to University Senate

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

ACTION OTHER THAN APPROVAL