



Copies to:
Provost
Vice Chancellor for Admin & Finance
Deans
Outreach and Graduate Studies
Faculty Senate Chair
Faculty Senate Secretary
Registrar's Office (2)
Personnel Office
Date:10-04-06

Faculty Senate • http://www.uwrf.edu/faculty_senate/welcome.html

Senators: Chair – Wes Chapin, Vice Chair – Ogden Rogers, Secretary – John Heppen, Executive Committee – Brenda Boetel and Glenn Potts

TO: Don Betz, Chancellor
116 North Hall
University of Wisconsin-River Falls

FROM: Wes Chapin, Chair
Faculty Senate
University of Wisconsin-River Falls

RE: UW-RF Faculty Senate Motion 2006-2007/16

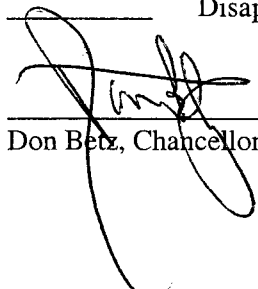
At the October 4, 2006 meeting of the University of Wisconsin-River Falls Faculty Senate, motion 2006-2007/16 was made, seconded, and passed. This motion is forwarded for your action:

Motion from Academic Policy and Program Committee to approve a new emphasis in Sustainable Agriculture in the Crop and Soils Science major. (see attached)

Motion 2006-2007/16 passed on October 4, 2006. This motion will take effect immediately.

 X Approved

 Disapproved



Don Betz, Chancellor

10/12/2006
Date

TRANSMITTAL for UNDERGRADUATE PROGRAMS: Changes or Proposals

I. INFORMATION:

- A. Check all that apply: New Program Existing Program
 Name Change Credits Change
 Substantial Major / Minor Content Change Emphasis/Option Change

B. Program Title: CROP AND SOILS - Sustainable Agriculture (adding option to the already existing crop science and soil science options)

C. Department(s) (Originating): PES

D. College(s) (Originating): CAFES

E. Other Programs / Departments Consulted (Requires letters of support from all Departments or Programs substantially affected):


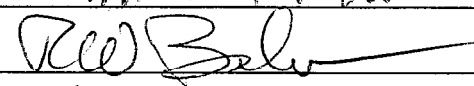
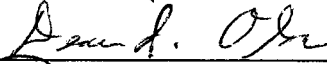
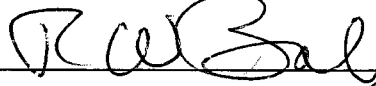




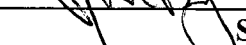
- 1) ALL CAFES PROGRAMS 2)
 3) 4)

F. Date of Implementation: FALL Semester 06 Year

G. Have all courses in this program been approved? Yes No If "No", which ones? CROP/HORT 222 Practicum in Community Gardening
 CROP 486 Organic Food Production Systems

H. Attach Request Narrative yes

I. UNIT APPROVALS: Requires signatures of all Department Chairs and Deans whose programs will be substantially affected by the changes or proposal. Signature lines for the affected Departments and Colleges (noted in "E" above), are on the back of this form. These signatures should be obtained prior to review by all other shared governance levels.

	Signature	Date
Department Curriculum Committee Chair (optional)		28 February
Department Chair		2/28/06
College Curriculum Cmtt. Chair		4/21/06
Dean of College		4/21/06
University Curriculum Cmtt. Chair		5/6/2006
Academic Policy & Program Cmtt. Chair		9/27/06
Faculty Senate Chair		10/4/06
Provost / Vice Chancellor		10/12/06
Chancellor		10/12/06

***NOTE: The master copy of this transmittal & accompanying documents must be filed in the Provost's office upon final approval. The Provost's office will notify all appropriate administrative offices [Registrar, Dean(s), & Department Chair(s)] of approvals & necessary actions to implement changes.**



Department of Plant and Earth Science • College of Agriculture, Food and Environmental Sciences
Recipient of the UW Regents Teaching Excellence Award
(715) 425-3345 • Fax (715) 425-3785 • pes@uwrf.edu

Date: April 04, 2006

To: CAFES Curriculum Committee

From: Michael Crotser PES

Re: Proposed "Sustainable Agriculture" emphasis added to the Crop and Soils Science major

Faculty in the Crop and Soils Science major are proposing adding a third emphasis to the Crop and Soil Science major called "Sustainable Agriculture". The request for this curriculum has come from students who desire to work in sustainable/organic cropping systems. This market, as defined by consumers, is the fastest growing sector of all agricultural industries, suggesting a strong potential job market for our students.

Currently, the Crop and Soil Science major has two emphases (Crop Science and Soil Science). Sustainable Agriculture will have the same University and General Education requirements as the currently existing emphases. In addition, foundation courses in agriculture for our college (12 credits) and major course requirements (14 credits) are similar across all emphases. The crop production and business/economic course requirements in the Sustainable Agriculture emphases are similar to the crop emphasis. However, the sustainable agriculture emphasis has additional specialization in environmental science, social science, and animal production courses.



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April 20, 2006

To: CAFES Curriculum Committee

Fr: Nate Splett, Interim Dean
CAFES

Re: Proposed "Sustainable Agriculture" emphasis added to the Crop and Soils Science Major

Our College has been in discussion about sustainable agriculture, ranging from defining it within our College to determining its fit within our curriculum. While this discussion continues, faculty within the Plant & Earth Science Department, in the Crops and Soils Program, have initiated action and proposed a sustainable agriculture emphasis within the Crop and Soils Science major. The proposal was shared with departments for their input and recommendations, and the Chairs Council, on behalf of the College, has considered this proposal.

My summation/representation of the feedback about the proposal is that there is wide and strong support to include sustainable agriculture into our College curriculum beyond an emphasis within the Crop and Soils Science major. There are limited resources to support this effort. As such, the current proposal minimizes additional resources, allows the College to advance sustainable agriculture into the curriculum, and allows the discussion of 'definition' and 'fit' to continue. The Chairs Council supports the current proposal and recommended that it be forwarded to CAFES Curriculum Committee.

I support this proposal and provide it to you for your consideration. Thank you.

Crop and Soil Science Major

Foundation Courses in Agriculture 12 cr. hrs.

CROP 161 Introduction to Plant Science 3 cr.

SOIL 210 Introductory Soil Science 3 cr.

AGEC 230 Agricultural Economics I 3 cr.

Select one from:

AGEN 150 Agricultural and Environmental Engineering Technology 3 cr.

ANSC 111 Introduction to Animal Science 3 cr.

FDSC 110 Introduction to Food Science 3 cr.

Major Requirements 64 Total Credits

Required Courses: 14 cr. hrs.

CROP 263 Forage Crop Production 3 cr.

CROP 266 Corn and Soybean Production 3 cr.

SOIL 311 Soil Fertility 4 cr.

SOIL 440 Soil and Water Conservation 4 cr.

Options (choose one):

Crop Science Option 43-45 cr. hrs.

CROP 257 Genetics 3 cr.

CROP 260 Plant and Seed Identification 2 cr.

CROP 345 Weed Control 3 cr.

CROP 410 Plant Breeding and Crop Improvement 3 cr.

CROP 435 Crop Physiology 4 cr.

CROP 451 Integrated Pest Management 3 cr.

CROP 485 Seminar in Agronomy 1 cr.

ANSC 341 Biometrics 3 cr.

AGBI 251 Agricultural Biochemistry 3 cr.

AGBI 252 Agricultural Biochemistry Laboratory Techniques 1 cr.

BIOL 314 Plant Pathology 3 cr.

BIOL 333 Entomology 3 cr.

CHEM 230 General Organic Chemistry 3 cr.

Select one course from the following:

AGEN 363 Precision Agricultural Technology 3 cr.

ANSC 231 Principles of Nutrition 3 cr.

HORT 327 Vegetable Science and Production 4 cr.

HORT 347 Fruit Science and Production 4 cr.

HORT 455 Turfgrass Science and Management 3 cr.

SOIL 350 Pedology 4 cr.

Select one course from the following:

AGEC 355 Agricultural Marketing and Production 3 cr.

AGEC 360 Farm Management 3 cr.

AGEC 368 Professional Selling 3 cr.

Select one course from the following:

CROP 267 Small Grain and Miscellaneous Crop Production 3 cr.

CROP 268 Grain Grading and Seed Analysis 2 cr.

CROP 363 Pasture Management 2 cr.

CROP 368 Sustainable Agriculture 3 cr.

Directed Electives 7-9 cr. hrs.

Soil Science Option 44-49 cr. hrs.

SOIL 325 Hydric Soils and Wetland Environments 3 cr.

SOIL 350 Pedology 4 cr.

SOIL 460 Soil Physics 3 cr.

CHEM 122 General Chemistry II 5 cr.

GEOL 102 Introductory Geology Lab 1 cr.

ESM 360 Applied Hydrology and Water Quality 4 cr.

ENGL 367 Technical Writing 3 cr.

SCTA 211 Public Speaking 3 cr.

Select one course from the following:

CROP 257 Genetics 3 cr.

CROP 260 Plant & Seed ID 2 cr.

CROP 267 Sm. Gr. & Misc Crop 3 cr.

CROP 345 Weed Control 3 cr.

CROP 363 Pasture Management 2 cr.

CROP 435 Crop Physiology 4 cr.

CROP 368 Sustainable Ag 3 cr.

Select two courses from the following:

CROP 451 IPM 3 cr.

BIOL 210 General Botany 3 cr.

BIOL 230 General Zoology 3 cr.

BIOL 240 Cell & Molec Biol 3 cr.

BIOL 314 Plant Pathology 3 cr.

BIOL 324 Microbiology 4 cr.

BIOL 333 Entomology 3 cr.

GEOL 327 Geomorph & Glacial 4 cr.

Select one course from the following:

AGEC 320 Statistical Methods 3 cr.

ANSC 341 Biometrics 3 cr.

CHEM 230 Organic Chemistry 3 cr.

CHEM 251/256 Analytic Chem 3 cr.

PHYS 151 General Physics 4 cr.

Electives (9-14 cr)

Sustainable Agriculture (45-48 cr hrs.)

ESM 105 Introduction to Environmental Studies 3 cr.
 SOCI 340 Sociology of Rural Life 3 cr.
 AGECE 250 World Food and Population 3 cr.
 CROP 368 Sustainable Agriculture 3 cr.
 ESM 220 Environmental Sustainability: Theories, Issues and Management 3 cr.
CROP 486 Organic Food Production Systems 3 cr. (NEW)
 CROP 451 Integrated Pest Management 3 cr.
CROP/HORT 222 Practicum in Community Gardening 3 cr. (NEW) OR
 CROP/HORT/ANSC/FDSC/AGEN 270 Internship 4 cr.

Select two courses of the following:

AGEN 325 Alternative Energy Systems 3 cr.
 HORT 169: Introduction to Horticulture 3 cr.
 HORT 327 Vegetable Science and Production 4 cr.
 HORT 347 Fruit Science and Production 4 cr.
 CROP 260 Plant and Seed Identification 2 cr.
 CROP 363 Pasture Management 2 cr.
 CROP 345 Weed Control 3 cr.
 CROP 410 Plant Breeding and Crop Improvement 3 cr.
 BIOL 314 Plant Pathology 3 cr.
 BIOL 333 Entomology 3 cr.
 ANSC/FDSC 238 Meat and Meat Products 3 cr.
 FDSC 259 Cereal Technology 3 cr.
 CROP/ANSC 257 Genetics 3 cr.
 ANSC 231 Principles of Nutrition 3 cr.
 ANSC 232 Applied Feeds and Feeding 3 cr.
 ANSC 365 Poultry Production 3 cr.
 ANSC 366 Swine Production 3 cr.
 ANSC 367 Beef Production 3 cr.
 ANSC 368 Sheep Production 3 cr.
 ANSC 369 Equine Production 3 cr.

Select two courses of the following:

AGECE 240: Cooperatives
 AGECE 355 Agricultural Marketing and Prices 3 cr.
 AGECE 360: Farm Management 3 cr.
 AGECE 361 Horticulture Business Management 3 cr.
 AGECE 450: Introduction to Natural Resource Economics 3 cr.
 AGECE 495 Direct Marketing 3 cr.
 AGECE 410 Professional Selling 3 cr.
 PHIL 304 Business Ethics 3 cr.
 POLS 256 Public Policymaking 3 cr.
 SOCI 245 Environmental Sociology 3 cr.

Select two courses of the following:

AGED 202 Leadership and Group Dynamics 3 cr.
ESM 151 Introduction to Land Use Theory and Practice 3 cr.
ESM 307 Multicultural Perspectives on the Environment 3 cr.
GEOG 120 Human Geography 3 cr.
GEOG 214 World Patterns of Plants and Animals 3 cr.
GEOG 220 Economic Geography 3 cr.
PHIL 240 Social Ethics 3 cr.
PHIL 303 Environmental Ethics 3 cr.

Electives 4-6 cr.

Required Supporting Courses

SL (Scientific Investigation) 3 credits required, 6 credits possible

BIOL 150 General Biology (3)
CHEM 121 General Chemistry I (5)

EC (Ethical Citizenship) 3 credits

CROP 120 Plants and Society (3)