November 17, 2016

To: Dean Van Galen, Chancellor
116 North Hall
University of Wisconsin-River Falls

From: Mialisa Moline, Chair
Faculty Senate
University of Wisconsin-River Falls

Re: UWRF Faculty Senate Motion 2016-17/49

The following motion was approved unanimously by the Faculty Senate on November 16, 2016:

A motion from the AP&P Committee (Ian Williams, Chair) to approve program change proposal for the minor in Sustainable Agriculture

Approved

Disapproved

Dean Van Galen, Chancellor
Date 11/30/14
**Undergraduate Program Change**

**Preparer(s):** Donavon Taylor  
**College:** CAFES  
**Department:** Plant and Earth Science  
**Date:** Nov 12, 2015

**Program Title:** Sustainable Agriculture Minor  
**Implementation Term:** Spring 2017  
**Nature of Proposal:** An existing program

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<th>Have all courses been approved?</th>
<th>Yes</th>
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<td>Requested changes (select all that apply):</td>
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<td>☐ Name change</td>
<td>☐ Credits change</td>
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<tr>
<td>☐ Change in major</td>
<td>☑ Change in minor</td>
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**Reviewed and approved by**

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<tr>
<th>Department</th>
<th>College Curriculum Committee</th>
<th>Dean of</th>
<th>University Curriculum Committee</th>
<th>Acad. Policy &amp; Program Committee</th>
<th>Faculty Senate</th>
<th>Provost/Vice Chancellor</th>
<th>Chancellor</th>
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**Approval date**

- 11 May 2016 (Signature of Chair/Dean: David Trechter)  
- 23 Sept, 2016 (Dr. Dale J. Gallenberg, Dean)  
- 9/26/16 (Signature of Chair/Dean: Ian Williams)  
- 10/4/2016  
- 10/14/16  
- 11.17.16

Revised: Fall 2015
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Narrative:

The Sustainable Agriculture Minor has been available as a college-centered minor since 2010. Since its inception the curriculum has not been revised and several of the course listings are not currently being taught or the listing is out-of-date. With the sustainability initiative on campus, several new courses have also been developed which should be included in the minor in some way. This is an appropriate time to update and revise the Sustainable Agriculture Minor Curriculum. In the following listing of the current and proposed curriculum, changes are highlighted in yellow.
Current Sustainable Agriculture Minor

**Minor Requirements: 24-25 credits**

**Required courses:** 12 cr. hrs.

- **CROP 368** Sustainable Agriculture 3 cr.
- **ESM 220** Environmental Sustainability: Theories, Issues and Management 3 cr. Prereq: **ESM 105**
- **AGEC 450** Introduction to Natural Resources Economics 3 cr. Prereq: **AGEC 230** or **ECON 201**
- **SOCI 332** Environmental Sociology 3 cr. Prereq: **SOCI 100** or consent of instructor

**Directed electives:** 12 cr. hrs.

Select two from the following:
- **ANSC 389** Special Topics: Sustainable Animal Production 3 cr.
- **ANSC 365** Poultry Production 3 cr. Prereq: **ANSC 232, ANSC 257**
- **ANSC 366** Swine Production 3 cr. Prereq: **ANSC 232, ANSC 231, ANSC 257**, and one of the following: **BIOL 150, ANSC 111** or **CROP 161 / HORT 161**
- **ANSC 367** Beef Production 3 cr. Prereq: **ANSC 232, ANSC 231, ANSC 257**, and one of the following: **BIOL 150, ANSC 111** or **CROP 161 / HORT 161**
- **ANSC 368** Sheep Production 3 cr. Prereq: **ANSC 232, ANSC 231, ANSC 257**, and one of the following: **BIOL 150, ANSC 111** or **CROP 161 / HORT 161**
- **CROP 263** Forage Crop Production 3 cr. Prereq: **CROP 161 / HORT 161**
- **CROP 363** Pasture Production 3 cr. Prereq: **CROP 161 / HORT 161**
- **CROP 468** Organic Production Systems 3 cr. Prereq: Foundation of Agriculture courses completion
- **DASC 306** Dairy Production 3 cr. Prereq: **ANSC 232** and **ANSC 257**
- **ESM 343** Woodlot Management 3 cr. Prereq: **ESM 109** or consent
- **HORT 327** Vegetable Science and Production 3 cr. Prereq: **CROP 161 / HORT 161** and **HORT 169**
- **HORT 347** Fruit Science and Production 3 cr. Prereq: **CROP 161 / HORT 161** and **HORT 169**

Proposed Sustainable Agriculture Minor

**Minor Requirements: 24 credits**

**Required courses:** 9 cr. hrs.

- **CROP 368** Sustainable Agriculture 3 cr.
- **ESM 220** Environmental Sustainability 3 cr. Prereq: **ESM 105**
- **AGEC 450** Intro to Natural Resources Economics 3 cr. Prereq: **AGEC 230** or **ECON 201**

**Directed electives:** 15 cr. hrs.

Select one from the following (Social Science):
- **COMS 315** Communication and Social Change 3 cr.
- **ENGL 228** Literature of Environmental Justice 3 cr.
- **ESM 251** Community Decision-Making 3 cr.
- **ESM 351** Planning for Sustainable Communities 3 cr. Prereq: ESM 105, ESM 151
- **PHIL 304** Business Ethics 3 cr.

Select two from the following (Ag Production):
- **ANSC 364** Sustainable Animal Production 3 cr. Prereq: **ANSC 232 and ANSC 257**
- **ANSC 365** Poultry Production 3 cr. Prereq: **ANSC 232**
- **ANSC 366** Swine Production 3 cr. Prereq: **ANSC 232 and ANSC 257**
- **ANSC 367** Beef Production 3 cr. Prereq: **ANSC 232 and ANSC 257**
- **ANSC 366** Sheep Production 3 cr. Prereq: **ANSC 232 and ANSC 257**
- **CROP 263** Forage Crop Prod 3 cr. Prereq: **PLSC 161**
- **CROP 363** Pasture Production 3 cr. Prereq: **PLSC 161**
- **CROP 468** Organic Production Systems 3 cr. Prereq: Foundation of Agriculture courses completion
- **DASC 306** Dairy Production 3 cr. Prereq: **ANSC 232 and ANSC 257**
- **ESM 343** Forest Restoration & Management 3 cr. Prereq: **ESM 109, ESM 245**
- **HORT 327** Vegetable Science and Production 3 cr. Prereq: **PLSC 161 and HORT 169**
- **HORT 347** Fruit Science and Production 3 cr. Prereq: **PLSC 161 and HORT 169**
Select one from the following:

**AFES 310** Agricultural Human Resource Management 3 cr. Prereq: Junior standing
**AGEC 360** Farm Management 3 cr. Prereq: **AGEC 230**
**AGEC 361** Horticultural Business Management 3 cr. Prereq: **AGEC 230**
**AGEC 445** Land Use and Sustainable Agriculture Law 3 cr. Prereq: **AGEC 230** or **ESM 303**, and Math 146 or higher
**AGEC 495** Special Problems in Ag Economics: Direct Marketing 3 cr.

Select one from the following:

**AGEN 325** Alternative Energy Systems 3 cr.
Prereq: CHEM 121 or equiv.
**CROP 451** Integrated Pest Management 3 cr.
Prereq: **CROP 161 / HORT 161**
**ESM 305** Environmental Impact Assess 3 cr.
Prereq: **ESM 105, CHEM 121, BIOL 100** or 150, and **GEOL 101**.
**SOIL 440** Soil and Water Conservation 4 cr.
Prereq: Soil 120, Math 146, and computer proficiency

Select one from the following (Economics):

**AFES 310** Agricultural Human Resource Management 3 cr. Prereq: Junior standing
**AGEC 345** Agricultural Law 3 cr.
**AGEC 350** Ag Product Marketing 3 cr. Prereq: **AGEC 101 or AGEC 230**
**AGEC 360** Farm Management 3 cr. Prereq: **AGEC 205 and AGEC 230**
**AGEC 361** Horticultural Business Management 3 cr. Prereq: **AGEC 101 or AGEC 230**
**AGEC 445** Land Use and Sustainable Agriculture Law 3 cr. Prereq: **AGEC 230 or ESM 303**

Select one from the following (Other):

**ANSC 115** Animal Welfare 3 cr.
**AGEN 325** Alternative Energy Systems 3 cr.
Prereq: CHEM 121 or equiv.
**CROP 451** Integrated Pest Management 3 cr.
Prereq: **CROP 161 / HORT 161**
**ESM 305** Environmental Impact Assess 3 cr.
Prereq: **ESM 105, CHEM 121, BIOL 100** or 150, and **GEOL 101**.
**GEOL 350** Geological Destinies of Nations 3 cr.
**SOIL 311** Soil Fertility 4 cr. Prereq: SOIL 120, MATH 146 and CHEM 115 or equiv.
**SOIL 440** Soil and Water Conservation 4 cr.
Prereq: SOIL 120 and MATH 146

*Prerequisites for ANSC 232 include ANSC 231 and one of the following: BIOL 150, ANSC 111 or PLSC 161*
Department Chairs,

We are proposing some changes to the CAFES Sustainable Agriculture Minor Curriculum as outlined in the attached document. Since courses in your department are included in the Sustainable Agriculture Minor Courses, we are notifying you regarding the proposed changes. If you have comments or concerns about any of the changes, please respond accordingly.

Thanks,
Donavon Taylor, Chair
Department of Plant and Earth Sciences
Hello Dr. Taylor,

Two faculty members within our Department were able to contribute to revision of the Sustainable Agriculture Minor and therefore, as Interim Chair of the Department of Animal & Food Science, I am in support of these changes.

Kind Regards,

Dr. Luther

Justin S. Luther, Ph.D.
Interim Chair and Associate Professor of Reproductive Physiology
Department of Animal and Food Sciences
Assistant Dean for Alumni Relations
College of Agriculture, Food and Environmental Sciences

O: 715-425-3704
F: 715-425-3785
Face Time: Justin.Luther-1@uwrf.edu
Skype: justin.luther3

Hi All,
I have revised slightly the Sustainable Ag Minor Change Proposal in response to comments for faculty members or chairs in the college. I would like to send the proposal to the CAFES Curriculum Committee at the beginning of Fall Semester. I would appreciate an email indicating the support of your department, assuming there is support, particularly in light of this being a CAFES Minor and not a Plant and Earth Science Minor. The proposal and transmittal form is attached.

Thanks,
Don
Don,  
The AET Department supports the Sustainable Ag Minor change  
Thanks  
Joe

Hi All,  
i have revised slightly the Sustainable Ag Minor Change Proposal in response to comments for faculty members or chairs in the college. I would like to send the proposal to the CAFES Curriculum Committee at the beginning of Fall Semester. I would appreciate an email indicating the support of your department, assuming there is support, particularly in light of this being a CAFES Minor and not a Plant and Earth Science Minor. The proposal and transmittal form is attached.  
Thanks,  
Don
Don, 

The Agricultural Education Department has no objections to the Changes to the Sustainable Ag Minor. However, we would like to note that some of the pre-requisites will cause a roadblock for our majors.

Jim

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Hi Brenda, Jim and Tim,

We would like to move this proposal to update the Sustainable Ag Minor Curriculum through the CAFES Curriculum Committee. We did not receive a note from the Ag Economics or Ag Education Departments indicating support for the proposal. I visited with Tim about a couple of issues, but thought they would best be brought up in the CAFES Curriculum Committee Meeting when the proposal is discussed. If you can send me a letter of support, that would be helpful.

Thanks,
Don Taylor, Chair
Department of Plant and Earth Science

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Hi All,

I have revised slightly the Sustainable Ag Minor Change Proposal in response to comments for faculty members or chairs in the college. I would like to send the proposal to the CAFES Curriculum Committee at the beginning of Fall Semester. I would appreciate an email indicating the support of your department, assuming there is support, particularly in light of this being a CAFES Minor and not a Plant and Earth Science Minor. The proposal and transmittal form is attached.

Thanks,

Don
TO: David Trechter, CAFES Curriculum Committee Chair

FROM: Brenda Boetel, Department Chair

RE: Support for Sustainable Agriculture Minor Changes

Date: September, 21, 2016

The Agricultural Economics Department supports the proposed changes to the Sustainable Agriculture Minor.
May 13, 2016

Don Taylor, Chair
Plant and Earth Science

Dear Don,

Thank you for the notification that ENGL 228, The Literature of Environmental Justice, will be included in the newly proposed revision of the Sustainable Agriculture Minor.

We appreciate your adding the course to this program of study.

Best wishes for the program's success.

Yours truly,

Marshall Toman
Chair
TRANSMITTAL for UNDERGRADUATE PROGRAMS: Changes or Proposals - Addendum

Signatures of Additional Department & Colleges Affected

Department Chair: [Signature]
Dean of College: [Signature]

Department Chair: [Signature]
Dean of College: [Signature]

Department Chair: [Signature]
Dean of College: [Signature]

Date: 5/15/16

Revised December 2012