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the curriculum has not been revised and several of the course listings are not currently being taught or the listing is out-of-date.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 and ANSC 257*
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 368 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
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
Donavon Taylor

From: Joseph Shakal
Sent: Wednesday, May 18, 2016 11:31 PM
To: Donavon Taylor
Subject: RE: Sustainable Ag Minor Change

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

From: Donavon Taylor
Sent: Thursday, May 12, 2016 9:45 AM
To: David Trechter <david.d.trechter@uwrf.edu>; James Graham <james.graham@uwrf.edu>; Joseph Shakal <joseph.shakal@uwrf.edu>; Justin Luther <justin.luther-1@uwrf.edu>
Cc: Dale Gallenberg <dale.gallenberg@uwrf.edu>; Lisa Owens <lisa.owens@uwrf.edu>
Subject: Sustainable Ag Minor Change

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  

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  

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,

[Signature]

Marshall Toman
Chair
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<th>Department Chair</th>
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<tbody>
<tr>
<td>Sandy Ellis</td>
<td>Comm Media Studies</td>
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Revised December 2012