UNIVERSITY CURRICULUM COMMITTEE
2013-14 Meeting #11, November 18, 2013

Present: Gail Eckwright, Annette Folwell (Chair), Rodney Frey, Lynne Haagensen, Tim Johnson, Joe Law, Kathleen Monks, Ashley Morehouse, Tim Prather, Todd Thorsteinson, Kerri Vierling.
Absent: Max Cowan, Nancy Krogh, Jon Miller, Jeanne Stevenson, Matt Wappett, Tess Wolfenson.

Call to order: A quorum being present, the chair called the meeting to order at 3:34 p.m. in the SUB Cataldo room. The minutes of the November 11th, 2013 meeting were approved.

Other Business:
Old Business:

New Business:

UCC-14-043 College of Agricultural and Life Sciences
Agricultural Economics and Rural Sociology: It was motioned and seconded to approve the proposed changes to Agricultural Economics and Rural Sociology. Committee member Prather reviewed the proposed changes. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Drop the following course [Effective: Summer 2014]

   AgEc 427 Mathematics for Economists (3 cr)
   Same as Econ J427/J527. Mathematical methods applicable to economic analysis and research. Additional projects/assignments required for graduate credit. AgEc 527 is a cooperative course available to WSU degree-seeking students. (Fall only)
   Prereq: Econ 352 and Math 160 or Math 170

2. Change the following course [Effective: Summer 2014]

   AgEc 527 Mathematics for Economists (3 cr)
   Same as Econ J427/J527. Mathematical methods applicable to economic analysis and research. Additional projects/assignments required for graduate credit. Cooperative: open to WSU degree-seeking students. (Fall only)
   Prereq: Econ 352 and Math 160 or Math 170 See AgEc J427/J527.

Agricultural Education and 4-H Youth Development: It was motioned and seconded to approve the proposed changes to Agricultural Education and 4-H Youth Development. Jim Connors reviewed the proposed changes. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Change the curricular requirements of Agricultural Science, Communication and Leadership (B.S.Ag.L.S.) [Effective: Summer 2014]

Required course work includes the university requirements (see regulation J-3) and:

Agricultural and Life Science Core

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ASM 305</td>
<td>GPS and Precision Agriculture (3 cr)</td>
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<tr>
<td>AgEd 406</td>
<td>Exploring International Agriculture (3 cr)</td>
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<tr>
<td>Biol 115</td>
<td>Cells and the Evolution of Life (4 cr)</td>
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<tr>
<td>Comm 101</td>
<td>Fundamentals of Public Speaking (2 cr)</td>
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<td>Soil 205, Soil 206</td>
<td>The Soil Ecosystem and Lab (2-4 cr)</td>
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<td>Stat 251</td>
<td>Statistical Methods (3 cr)</td>
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One of the following (2-3 cr):

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<tr>
<td>ASM 305</td>
<td>GPS and Precision Agriculture (3 cr)</td>
</tr>
<tr>
<td>ASM 412</td>
<td>Agricultural Safety and Health (2 cr)</td>
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<tr>
<td>PSc 207</td>
<td>Introduction to Biotechnology (3 cr)</td>
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One of the following (4 cr):

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<tr>
<td>Chem 101</td>
<td>Introduction to Chemistry I (4 cr)</td>
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<tr>
<td>Chem 111</td>
<td>Principles of Chemistry I (4 cr)</td>
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One of the following (2-3 cr):

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<tr>
<td>Comm 101</td>
<td>Fundamentals of Public Speaking (2 cr)</td>
</tr>
<tr>
<td>Engl 207</td>
<td>Persuasive Writing (3 cr)</td>
</tr>
<tr>
<td>Engl 313</td>
<td>Business Writing (3 cr)</td>
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</table>
Engl 316  Environmental Writing (3 cr)
Engl 317  Technical Writing (3 cr)
One of the following (3-4 cr):
Math 130  Finite Mathematics (3 cr)
Math 143  Pre-calculus Algebra and Analytic Geometry (3 cr)
Math 160  Survey of Calculus (4 cr)
Math 170  Analytic Geometry and Calculus I (4 cr)

Agricultural Science, Communication and Leadership Courses
Acct 201  Introduction to Financial Accounting (3 cr)
AgEc 278  Farm and Agribusiness Management (4 cr)
AgEc 289  Agricultural Markets and Prices (3 cr)
AgEd 180  Introduction to Agricultural Education (1 cr)
AgEd 406  Exploring International Agriculture (2 cr)
AgEd 450  Developing Leaders (2 cr)
AgEd 451  Communicating in Agriculture (3 cr)
AgEd 498  Internship (5-10 cr)
Biol 115  Cells and the Evolution of Life (4 cr)
Comm 101  Fundamentals of Public Speaking (2 cr)
Econ 202  Principles of Microeconomics (3 cr)

Additional Natural and Applied Sciences (8-4 cr)
Upper-Division Agricultural Economics elective (3 cr)

Communication Electives including one upper-division course (12 cr):
Comm 233  Interpersonal Communication (3 cr)
Comm 235  Organizational Communication (3 cr)
Comm 332  Communication and the Small Group (3 cr)
Comm 410  Conflict Management (3 cr)
Comm 431  Applied Business and Professional Communication (3 cr)
JAMM 121  Media Writing (3 cr)
JAMM 252  Introduction to Public Relations (3 cr)

Leadership Electives (12 cr):
AgEd 181  Introduction to Extension Education (1 cr)
AgEd 252  Developing Community and Collegiate Organizations (3 cr)
AgEd 359  Developing 4-H Youth Programs (2 cr)
AgEd 448  Foundations of Extension Education (2 cr)
Bus 311  Introduction to Management (3 cr)
Bus 413  Leadership and Organizational Behavior (3 cr)
Bus 418  Organization Design and Changes (3 cr)
CSS 486  Public Involvement in Natural Resource Management (3 cr)
MS 101  Introduction to Military Science (1 cr) and
MS 111  Leadership Lab (1 cr)
MS 102  Fundamentals of Leadership and Management (1 cr) and
MS 112  Leadership Lab (1 cr)
MS 201  Applied Leadership and Management (2 cr) and
MS 211  Leadership Lab (1 cr)
MS 202  Applied Leadership and Management (2 cr) and
MS 212  Leadership Lab (1 cr)
Rec 254  Camp Leadership in Recreation and Sport (3 cr)

Courses to total 128-120 credits for this degree

**Biological and Agricultural Engineering:** It was motioned and seconded to approve the proposed changes to Biological and Agricultural Engineering. Tom Karsky reviewed the proposed changes. Committee member Law asked how many students are currently in the ASM program. Karsky said there is between 35-40 students. Committee member Frey highlighted his concerns with BAE needing to drop Econ 201 to make room for the General Education American Diversity requirement. Hearing no further questions the motion to approve the proposed changes passed unanimously.
1. Change the curricular requirements of Agricultural System Management (B.S.Ag.L.S.) [Effective: Summer 2014]

Required course work includes the university requirements (see regulation J-3) and:

**Agricultural and Life Science Core**
- ASM 305 GPS and Precision Agriculture (3 cr)
- AgEd 406 Exploring International Agriculture (3 cr)
- Biol 115 Cells and the Evolution of Life (4 cr)
- Comm 101 Fundamentals of Public Speaking (2 cr)
- Soil 205, Soil 206 The Soil Ecosystem and Lab (2-4 cr)
- Stat 251 Statistical Methods (3 cr)

One of the following (2-3 cr):
- ASM 305 GPS and Precision Agriculture (3 cr)
- AgEd 412 Agricultural Safety and Health (2 cr)
- PlSc 207 Introduction to Biotechnology (3 cr)

One of the following (4 cr):
- Chem 101 Introduction to Chemistry I (4 cr)
- Chem 111 Principles of Chemistry I (4 cr)

One of the following (2-3-4 cr):
- Comm 101 Fundamentals of Public Speaking (2 cr)
- Engl 207 Persuasive Writing (3 cr)
- Engl 313 Business Writing (3 cr)
- Engl 316 Environmental Writing (3 cr)
- Engl 317 Technical Writing (3 cr)

One of the following (3-4 cr):
- Math 130 Finite Mathematics (3 cr)
- Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
- Math 160 Survey of Calculus (4 cr)
- Math 170 Analytic Geometry and Calculus I (4 cr)

**Agricultural Systems Management Courses**
- Acct 201 Introduction to Financial Accounting (3 cr)
- Acct 202 Introduction to Managerial Accounting (3 cr)
- AgEc 278 Farm and Agribusiness Management (4 cr)
- AgEc 289 Agricultural Markets and Prices (3 cr)
- AgEc 356 Agricultural and Rural Policy (3 cr)
- AgEd 406 Exploring International Agriculture (2 cr)
- ASM 107 Beginning Welding (2 cr)
- ASM 112 Introduction to Agricultural Systems Management (3 cr)
- ASM 200 Seminar (1 cr)
- ASM 202 Agricultural Shop Practices (2 cr)
- ASM 305 GPS and Precision Agriculture (3 cr)
- ASM 315 Irrigation Systems and Water Management (3 cr)
- ASM 331 Electric Power Systems for Agriculture (3 cr)
- ASM 409 Agricultural Tractors, Power Units and Machinery Management (4 cr)
- ASM 412 Agricultural Safety and Health (2 cr)
- ASM 433 Agricultural Processing Systems (3 cr)
- BAE 491 Senior Seminar (1 cr)
- Biol 102 Biology and Society and Lab (4 cr)
- Bus 101 Introduction to Business Enterprises (3 cr)
- Bus 190 Integrated Business and Value Creation (3 cr)
- BLaw 265 Legal Environment of Business (3 cr)
- Comm 101 Fundamentals of Public Speaking (2 cr)
- Econ 201 Principles of Macroeconomics (2 cr)
- Econ 202 Principles of Microeconomics (3 cr)
- PlSc 102 The Science of Plants in Agriculture (3 cr)
- Soil 205 The Soil Ecosystem Lab (1 cr)

Agricultural and Technical Electives (13 cr)
- Life Science Elective (3 cr)

One of the following (2-3 cr):
- Engr 105 Engineering Graphics (2 cr)
- CTE 267 Computer Aided Drafting/Design (3 cr)

One of the following (4 cr):
- Phys 100, Fundamentals of Physics and Lab (4 cr)
- Phys 100L
Phys 111, General Physics I and Lab (4 cr)
Phys 111L
Phys 211, Engineering Physics I and Lab (4 cr)
Phys 211L

Three credits from the following (3 cr):
AgEc 411 The World of International Agribusiness (1 cr)
AgEc 413 Management of Human Resources in Agribusiness Firms (1 cr)
AgEc 414 Financial Analysis of Agricultural Firms (1 cr)
AgEc 415 Entrepreneurial Skills in Agribusiness Management (1 cr)
AgEc 418 Developing Negotiation Skills in Agribusiness (1 cr)
AgEc 419 Development and Analysis of Enterprise Budgets (1 cr)

Courses to total 128 credits for this degree

**Food Science:** It was motioned and seconded to approve the proposed changes to Food Science. Committee member Prather reviewed the proposed changes. Committee member Law asked if Food Science would require additional faculty resources to accommodate their changes. Prather indicated that he did not know. Hearing no further questions the motion to approve the proposed changes passed unanimously.

1. Drop the following courses [Effective: Summer 2014]

   **FS 154 Introductory Microbiology (3 cr)**
   See MMBB 154.

   **FS 250 General Microbiology (3 cr)**
   See MMBB 250.

   **FS 255 General Microbiology Lab (2 cr)**
   See Biol 255.

   **FS J442/J542 Advanced Biochemistry II (3 cr)**
   See MMBB J442/J542.

2. Add the following course [Effective: Summer 2014]

   **FS 532 Advanced Food Microbiology (3 cr)**

3. Change the following courses [Effective: Summer 2014]

   **FS 416 Food Microbiology (3 cr)**
   *Same as MMBB 416.*—Purpose for enumeration, detection, and identification of microorganisms in food products; physical, chemical, and environmental factors influencing growth and survival of foodborne microorganisms; pathogenic and spoilage microorganisms in food and their control. Cooperative: open to WSU degree-seeking students.
   **Prereq:** MMBB 250 and MMBB 255

   **FS 417 Food Microbiology Laboratory (2 cr)**
   *Same as MMBB 417.*—Methods for enumeration, detection, and identification of spoilage and pathogenic microorganisms in foods. Two 3-hr labs a wk. Cooperative: open to WSU degree-seeking students.
   **Prereq or Coreq:** FS 416 or MMBB 416

   **FS 520 Instrumental Analysis (2 cr)**
   Theory and techniques involved in the use of various instruments in modern biological laboratories; topics include chromatography, spectrometry, sterilization, sample preparation, radioisotope techniques, electrophoresis, centrifugation, and fermentation. (Spring only) See MMBB 520. Cooperative: open to WSU degree-seeking students.
   **Prereq:** Permission

**Plant, Soil, and Entomological Sciences (PSES):** It was motioned and seconded to approve the proposed changes to PSES. Jodi Johnson-Maynard reviewed the proposed changes. Hearing no questions the motion to approve the proposed changes passed unanimously.
1. Add the following course **[Effective: Summer 2014]**

**Soil 210 Food Systems and Healthy Lifestyles (3 cr)**
Introduction to food systems including the historical development of our current global food system. Linkages among the production, marketing and transportation of food and food policy on human health will be explored. Students will complete a semester-long assessment of the local food system and its impacts on individual, school and community health and strategies to improve the food system.

Recommended Short Course Title: Food Systems

2. Change the following courses **[Effective: Summer 2014]**

**Soil J427/J527 Sustainable Food Systems Based Approaches to Ecological Resilience (3 cr)**
The purpose of this course is to help students apply systems thinking and systems methodological problem solving skills to identify and describe current and future food system issues. Through lectures, case studies and research students will explore elements and behavior of food systems that impart sustainability. Students taking the course for graduate credit will complete additional readings, research and presentations. The purpose of the course is to help students apply systems thinking and systems methodological problem solving skills to identify and describe current and future problems facing ecological systems, including problems caused by climate change. Students will gain a better understanding of the complex, cross-disciplinary, multi-scale and systemic (emergent) nature of problems related to sustainability. Team-based problem solving and trans-disciplinary communication will be stressed. Additional projects/assignments required for graduate credit.

**Prereqs:** EnvS 101, For 221, Geog 313, REM 221, or Soil 205; or Instructor Permission

3. Change the curricular requirements of **Soil Science (Minor) [Effective: Summer 2014]**

Soil 205, Soil 206
Soil 415 Soil Physics (3 cr)
Soil 422 Environmental Soil Chemistry (3 cr)
Soil 438 Pesticides in the Environment (3 cr)
Soil 446 Soil Fertility (3 cr)
Soil 454 Soil Development and Classification (3 cr)

Courses selected from the following to total at least 20 cr for the minor:

- Soil 417 Market Garden Practicum (1-6 cr)
- Soil 425 Microbial Ecology (3 cr)
- Soil 437 Soil Biology (3 cr)

Courses to total 20 credits for this minor

**UCC-14-044 College of Science Biological Sciences:** It was motioned and seconded to approve the proposed changes to Biological Sciences. Committee member Johnson reviewed the proposed changes. Hearing no questions the motion to approve the proposed changes **passed unanimously.**

1. Drop the following courses **[Effective: Summer 2014]**

**MMBB 416 Food Microbiology (3 cr)**
See FS 416. (Fall only)

**MMBB 417 Food Microbiology Laboratory (2 cr)**
See FS 417. (Fall only)

**MMBB 520 Instrumental Analysis (2 cr)**
Same as FS 520. Theory and techniques involved in the use of various instruments in modern biological laboratories; topics include chromatography, spectrometry, sterilization, sample preparation, radioisotope techniques, electrophoresis, centrifugation, and fermentation. (Spring only)

**Prereq:** Permission

**UCC-14-045 Office of the Registrar**
It was motioned and seconded to approve the proposed petition from a student to be granted transfer credit from a non-regionally accredited institutions. Hearing no questions the motion to approve the proposed petitions **passed unanimously** and will be forward to the Office of the Registrar for processing.
UCC-14-046 College of Engineering

Electrical and Computer Engineering: It was motioned and seconded to approve the proposed changes to Electrical and Computer Engineering. Fred Barlow reviewed the proposed changes. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Change the curricular requirements of Computer Engineering (B.S.Comp.E.) [Effective: Summer 2014]

   ... Any student majoring in computer engineering may accumulate no more than five (5) letter grades of D’s and F’s in lower-division mathematics, science, or engineering courses that are used to satisfy graduation requirements. Included in this number are multiple repeats of a single class or single repeats in multiple classes and courses transferred from other institutions. Specifically excluded are D or F grades from laboratory sections associated with courses.

2. Change the curricular requirements of Electrical Engineering (B.S.E.E.) [Effective: Summer 2014]

   ... Any student majoring in electrical engineering may accumulate no more than five (5) letter grades of D’s and F’s in lower-division mathematics, science, or engineering courses that are used to satisfy graduation requirements. Included in this number are multiple repeats of a single class or single repeats in multiple classes and courses transferred from other institutions. Specifically excluded are D or F grades from laboratory sections associated with courses.

The next UCC meeting will be December 2nd, 2013. This meeting was adjourned at 3:55pm.

Charles Tibbals, UCC Secretary