Call to order: A quorum being present, the chair called the meeting to order at 3:33 p.m. in the SUB Cataldo room. The minutes of the December 1, 2014 meeting were approved.

Other Business:

New Business:

UCC-15-058 College of Natural Resources
Forest, Rangeland, and Fire Sciences: It was motioned and seconded to approve the proposed change to Forest, Rangeland, and Fire Sciences. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the following course:

   REM 244 Wildland Fire Management (2 cr)
   Introduction to wildland fire management including fire behavior, fuels, fire prevention and suppression, fire policy and fire ecology. Includes discussion of current fire management issues.

UCC-15-059 College of Education
Curriculum and Instruction: It was motioned and seconded to approve the proposed change to Curriculum and Instruction. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the following course:

   EDCI 453 Phonics, Phonological Awareness, Fluency, and Assessment (1 cr)
   Specific methods, research, and strategies providing competency in phonological awareness, phonics, fluency, and assessments and intervention strategies.
   Prereq or Coreq: EDCI 302 or MusT 383; or Permission

UCC-15-060 College of Science
Geological Science: It was motioned and seconded to approve the proposed change to Geological Science. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the following course:

   Geol 423 Principles of Geochemistry (3 cr)
   Physiochemical principles applied to geologic processes. Topics covered include atmospheric geochemistry, environmental geochemistry, aqueous geochemistry, crystal chemistry, radiogenic and stable isotopes. Two lec and one 2-hr lab a wk.
   Prereq: Geol 249

UCC-15-061 College of Letters, Arts, and Social Sciences
English: It was motioned and seconded to approve the proposed change to English. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Add the following course:

   Engl 318 Science Writing (3 cr)
   Same as JAMM 328. Principles and practices of making scientific concepts and work accessible to general audiences through multiple forms of media; also examines the ways in which media coverage of scientific issues shapes public opinion and policy.
   Prereq: Engl 102 and sophomore Standing
**Interdisciplinary Studies:** It was motioned and seconded to approve the proposed change to Interdisciplinary Studies. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Add the following course:

   **Intr 492 College of Science Ambassadors (1 cr, max 8)**
   Student ambassadors are selected through an application and interview process. Students will learn skills in leadership, communication, networking, and public speaking. Students will be responsible for representing the College of Science in various recruiting activities and events.  
   **Prereq:** Permission

**Journalism and Mass Media:** It was motioned and seconded to approve the proposed changes to Journalism and Mass Media. Committee member Stoddart asked about differing assessment tools between the English and JAMM versions. Committee member Hart indicated that there are different assignments, but the same learning outcomes. Regarding JAMM 477, Hart noted that the department wished to open the course up to more students. Hearing no further questions the motion to approve the proposed changes passed unanimously.

1. Add the following course:

   **JAMM 328 Science Writing (3 cr)**
   See as Engl 318.

2. Change the following course:

   **JAMM 477 Documentary Film (3 cr)**
   Same as Engl 477. An examination of the historical development of nonfiction film and television. Study of documentary style and form, a consideration of social issues raised by documentary and a survey of significant practitioners and theorists of documentary film and television. Recommended preparation: Engl 230.  
   **Prereq:** JAMM 100 with a grade of 'C' or better and JAMM 121 with a grade of 'C' or better Engl 102 and sophomore standing

**Modern Languages and Cultures:** It was motioned and seconded to approve the proposed changes to Modern Languages and Cultures. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Change the curricular requirements of French (B.A.):

   Required course work includes the university requirements (see regulation J-3), the general requirements for the B.A. degree, and: An international experience (eight week minimum) and the course work listed below are required of students. This international experience requirement will be fulfilled by completing a MLC approved study abroad program or international internship or faculty-led experience or a combination of all. This experience (completed in French) should take place after the student has finished language study through the intermediate (200) level. The study abroad program or the internship must receive prior approval from the student’s MLC advisor and/or MLC Validation Committee appointed by MLC chair. Shorter international experiences exceptions can be considered by MLC Validation Committee in case of extraordinary financial or family circumstances. The French Major consists of a minimum of 39-36 upper-division credits which must include the following:
   - At least 9 Fren credits must be at the 400-level (9 cr)
   - At least 9 credits of these required upper-division courses in the Fren must be completed on campus
   - A maximum of 9 FLEN credits out of the total 39-36 may be applied towards the major; the remaining credits must be in Fren.
   A second foreign language (elem & interm or equivalent) (16 cr)*
   Additionally, all majors must complete a 1-credit MLC capstone course based on their international experience and take the Avant’s STAMP (STAndards-based Measurement of Proficiency) exit exam before applying for graduation.

   *Note: This requirement is waived for students with a double major (MLC French plus another major)

Courses to total 120 credits for this degree

2. Change the curricular requirements of Spanish (B.A.):

   Required course work includes the university requirements (see regulation J-3), the general requirements for the B.A. degree, and: An international experience (eight week minimum) and the course work listed below are required of students. This international experience requirement will be fulfilled by completing a MLC approved study abroad program or international internship or faculty-led experience or a combination of all. This experience (completed in Spanish) should take place after the student has finished language study through the intermediate (200) level. The study abroad program or the internship must receive prior approval from the student’s MLC advisor and/or MLC Validation Committee appointed by MLC chair. Shorter international experiences exceptions can be considered by MLC Validation Committee in case of extraordinary financial or family circumstances. The Spanish major consists of a minimum of 39-36 upper-division credits, which must include the following:
   - Span 301, Span 302, Span 305, and Span 306
• At least 9 Span credits must be at the 400-level (9 cr)
• At least 9 credits of these required upper division courses in Span must be completed on campus
• A maximum of 9 FLEN credits out of the total 39-36 may be applied towards the major; the remaining credits must be in Span.

Additionally, all majors must complete a 1-credit MLC capstone course based on their international experience and take the Avant’s STAMP (STAndards-based Measurement of Proficiency) exit exam before applying for graduation.

*Note: This requirement is waived for students with a double major (MLC Spanish plus another major)

| Courses to total 120 credits for this degree |

**Political Science:** It was motioned and seconded to approve the proposed change to Political Science. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Add the following course:

   **PoIS 490 Senior Seminar (3 cr)**
   Required of all political science majors; capstone course devoted to mastery of inquiry in political science research; topics will vary.
   **Prereq:** Senior standing and 24 credits in political science

**Psychology and Communication Studies:** It was motioned and seconded to approve the proposed change to Psychology and Communication Studies. Committee chair Eveleth relayed Richard Reardon’s email to him earlier today (12/8/14). It was noted that OrgS 210 was not an optional course, but a suggested preparation for the certificate. Committee member Johnson asked about a minimum number of graduate credits required in a graduate level academic certificate. It was noted that the College of Graduate Studies has been looking at a policy of this nature, but it has not yet come forward to UCC. Committee member Thorsteinson indicated that the rationale confused him. Committee member Prather suggested voting to return the item to the college to review again before it comes back to UCC. Hearing no further questions the motion to approve the proposed change was denied unanimously.

1. Change the curricular requirements of **Organizational Dynamics** (GR Certificate):

   **Pick four from:**
   - AOLL 410
   - Bus 413
   - Comm 410
   - Comm 456 or JAMM 456
   - OrgS 210
   - OrgS 305
   - OrgS 407
   - OrgS 451
   - Psyc 541 or OrgS 441
   - **Courses to total 12 credits for this certificate**

**UCC-15-062 College of Science**

**Mathematics:** It was motioned and seconded to approve the proposed change to Mathematics. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the curricular requirements of **Mathematics** (M.S.): 

   **Master of Science, Major in Mathematics, General M.S. requirements apply.** An undergraduate major in mathematics or its equivalent is a prerequisite. **There is both a thesis and a non-thesis option. Both options have the same credit requirements.** Of the minimum of 30 credits required for this degree, at least 18 credits must be in mathematics at the 500 level (excluding Math 500, Math 510, Math 519, Math 599, seminars, and directed study); the remaining 12 credits may include 400 and 500 level courses in mathematics, and 300 or 400 level courses in supporting areas. **Mathematics Education (MEd) credits may not be counted. For the non-thesis option, a thesis is not required, but a three-hour comprehensive written examination covering 6 mathematics courses chosen by the student (with at least 5 at the 500 level) is required. For the thesis option, the student writes a thesis (which may be expository in nature) under the guidance of a thesis committee. A final examination in the form of an oral defense of the thesis is required.**

**Physics:** It was motioned and seconded to approve the proposed change to Physics. Hearing no questions the motion to approve the proposed change passed unanimously.

1. Change the curricular requirements of **Physics** (M.S.): 


Master of Science, Major in Physics (Thesis Option). General M.S. requirements for a degree with thesis apply. The student must complete a total of at least 30 credits at 400 level or higher, 20 of which must be at the graduate level, including a maximum of 10 credits in research and thesis. Specific departmental graduate course requirements are 2 credits in Phys 501 and Phys 521, Phys 541, Phys 542, and Phys 550. If a student's undergraduate preparation is considered deficient (e.g., if it lacks laboratory experience at the upper-division level), then certain undergraduate courses will be required in the study plan. Such remedial credits are not to be counted towards the total required for the degree. No departmental comprehensive exam is required.

A final defense of the M.S. thesis is scheduled upon completion of the thesis. Full-time students have to take this examination no later than two years after passing the comprehensive examination. The candidate is required to defend his or her work and show a satisfactory knowledge of the field in which the thesis research has been performed. The defense is oral and would typically last for one hour. The exam has to be announced to the physics faculty at least one week in advance. All members of the physics faculty are permitted to attend and ask questions. A recommendation of a majority of the student's graduate committee is necessary to pass the defense. If the defense is failed, it may be repeated only once; the repeat defense must be taken within a period of not less than three months nor more than one year following the first attempt.

Statistical Science: It was motioned and seconded to approve the proposed change to Statistical Science. Committee chair Eveleth asked about the statement that there is an expectation that the students will have familiarity with programming. Committee member Johnson said this is a difficult issue for the department. Johnson noted that there has been a lot of discussion in the department about what level of skill and in what language(s) the students should be familiar with. Committee member Prather asked how a student would know if they have sufficient familiarity to qualify for the program. Hearing no further questions the motion to approve the proposed change passed unanimously.

1. Change the curricular requirements of Statistical Science (M.S.):

   All students who wish to do graduate work in statistics should have a background in quantitative methods including Math 275, Analytic Geometry and Calculus III, and 6 hours of statistics including Stat 431 or equivalent. Additionally, students should have knowledge of at least one higher level programming language.

Master of Science, Major in Statistical Science major. Students seeking admission to the MS program in Statistical Science should have completed at least two semesters in college calculus comparable to Math 170 and Math 175, and two classes in applied statistics including Stat 431 or a comparable course. Familiarity with programming is expected, and familiarity with numerical or statistical computing environments is desirable. Students are not required to have an undergraduate degree in statistics.

Candidates must fulfill the requirements of the College of Graduate Studies and of the Department of Statistical Science. See the College of Graduate Studies section for the applicable general requirements for M.S. degree.

An individual graduate program is tailored for the student, but all students must complete a basic core requirement of 24 credits and either i) a thesis (Stat 500), ii) an internship report (Stat 598), or iii) a research course (6 credits of Stat 597). The core requirements are Stat 422, Stat 451, Stat 452, Stat 501 (1 credits), Stat 507, Stat 519, Stat 550, Stat 565, and Stat 597 (2 cr.). A maximum of 6 credits of Stat 500 may be counted toward the thesis degree option.

UCC-15-063 College of Engineering

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

1. Change the curricular requirements of Computer Engineering (M.Engr. & M.S.):

   The Computer Engineering Program offers both Master of Science and Master of Engineering degrees. Both degrees may be earned through the Engineering Outreach off campus program. These advanced degrees offer engineering students an opportunity to strengthen their knowledge of computer engineering by taking graduate courses that focus on advanced subject matter and by participating in research.

   Qualifications for Admittance. Candidates must have a bachelor's degree in computer engineering, with an undergraduate GPA of 3.00 or higher. International students who are required to take the TOEFL examination by the College of Graduate Studies must have a TOEFL score of at least 79 for the Internet-based Test (iBT) version, 513 for the computer version, or 550 for the paper version. All candidates must submit scores from the general portion of the Graduate Record Examination.

   Candidates who do not have a bachelor's degree in computer engineering may be admitted to the graduate program if, in addition to the requirements for candidates who have a B.S. Comp.E., they meet the following minimum requirements.

   Candidates who do not have a bachelor’s degree in computer engineering may be admitted to the graduate program if they meet the following minimum requirements in addition to the Electrical and Computer Engineering department and College of Graduate Studies admissions requirements.

   1. A bachelor's degree in electrical engineering, computer science, or another engineering discipline or in a science supporting area of study, such as mathematics or physics.
2. Change the curricular requirements of Electrical Engineering (M.Engr. & M.S.):

The Electrical Engineering Program offers Master of Science, Master of Engineering, and Ph.D. degrees. The Master of Science and Master of Engineering degrees may be earned through the Engineering Outreach off campus program. These advanced degrees offer engineering students an opportunity to strengthen their knowledge of electrical engineering by taking graduate courses that focus on advanced subject matter and by participating in research.

Qualifications for Admittance. Candidates must have a bachelor's degree in electrical engineering, with an undergraduate GPA of 3.00 or higher. International students who are required to take the TOEFL examination by the College of Graduate Studies must have a TOEFL score of at least 79 for the Internet-based Test (IBT) version, or 550 for the paper-based version. All candidates must submit scores from the general portion of the Graduate Record Examination.

Candidates who do not have a bachelor's degree in electrical engineering may be admitted to the graduate program if they meet the following minimum requirements in addition to the Electrical and Computer Engineering department and College of Graduate Studies admissions requirements.

1. A bachelor's degree in computer engineering, computer science, or another engineering discipline or in science such as mathematics or physics.

2. Demonstrated proficiency in the fundamentals of electrical engineering emphasized in the undergraduate curriculum. For each area of emphasis in electrical engineering, proficiency is demonstrated by successful completion of the following fundamental courses or their equivalents. Power Area: ECE 212, ECE 320, ECE 329, ECE 350, ECE 359, ECE 420 (does not count for graduate credit). Electromagnetics Area: Math 170, Math 175, Math 275, Math 310, Physics 212, ECE 212L, ECE 212, ECE 330, ECE 350, ECE 359, ENGR 210, ECE 432 (does not count for graduate credit). Microelectronics Area: ECE 212, ECE 310, ECE 319, ECE 350, ECE 359, ECE 410 (does not count for graduate credit). Systems Area: ECE 350, ECE 359, Stat 301, Math 330.

Students may petition the graduate committee for exceptions to the required background list if their advisor or interim advisor approves.

Master of Science, Major in Electrical Engineering. General M.S. requirements apply, except that the department requires at least 24 credits of course work in addition to a thesis. The master's program may provide advanced preparation for professional practice, or it may serve as the first step in graduate study leading to the Ph.D. degree. Specific courses to be taken for the program are not prescribed by the faculty. Students, with the assistance of their major professor, prepare their own program as soon as possible during their first semester, and submit it to the faculty for approval.

1. At least 18 credits in electrical engineering courses numbered 500 or above.
2. Two or more electrical engineering courses numbered above 500 in a given area for depth.
3. At least one course in each of two areas (outside the areas selected under item 2) to provide breadth.
4. Enrollment in ECE 591, Electrical Engineering Research Colloquium, during each semester of on-campus enrollment.

Master of Engineering, Major in Electrical Engineering. General M.Engr. requirements apply, except that the department requires at least 30 credits of course work. Students, with the assistance of their major professor, prepare their own program as soon as possible during their first semester, and submit it to the faculty for approval. To be approved, programs must satisfy both the university requirements governing the M.Engr. degree and the following department requirements:

1. At least 18 credits in electrical engineering courses numbered 500 or above.
2. At least three electrical engineering courses in a given area for depth, two of which must be numbered 500 or above.
3. At least one course in each of two areas (outside the areas selected under item 2) to provide breadth.
4. Enrollment in ECE 591, Electrical Engineering Research Colloquium, during each semester of on-campus enrollment.
Doctor of Philosophy, Major in Electrical Engineering. General Ph.D. requirements apply. The preliminary examination consists of both a written and an oral examination. There is no foreign language requirement. Two semesters of ECE 591, Electrical Engineering Research Colloquium, will be required for on-campus doctoral students.

UCC-15-064 College of Agricultural and Life Sciences

Plant, Soil, and Entomological Sciences: It was motioned and seconded to approve the proposed change to Plant, Soil, and Entomological Sciences. Hearing no questions the motion to approve the proposed changes passed unanimously.

1. Change the following course:

   Soil 205 The Soil Ecosystem (3 cr)
   Introduction to the physical, chemical, and biological nature of soils.
   Prereq: Chem 101 or satisfy Prereq for Chem 111 or Instructor Permission

The next UCC meeting will be in the Spring 2015 semester. This meeting was adjourned at 4:12pm.

Charles Tibbals, UCC Secretary