**COUNCIL ON CURRICULAR PROGRAMS AND INSTRUCTION**

**Thursday, 9 November 2017**

**Horrabin Hall 1 – 3:30 p.m.**

**M I N U T E S**

**MEMBERS PRESENT:** A. Burke, J. Engel, D. Gravitt, L. Hemphill, B. Intrieri, oCTOBER ajor/disciplineg of September 29, 2017s h.ces h its web visibility, especially related to online learning High School M. Lynn (SGA), E. Mannion, E. Shupe, S. Szyjka, Novemberculty Senatet Life Safety Enhancement feeeT. Walters

**MEMBERS ABSENT:** A. Hardeman, D. Williams (ex-officio), N. Parsons (ex-officio)

**GUESTS:** Andy Baker, Mark Bernards, Katrina Daytner, Tej Kaul, Jessica Lin, Linda Prosise

I. Consideration of Minutes

* 1. 26 October 2017

**MINUTES APPROVED AS DISTRIBUTED**

1. Announcements

Vice Chair Gravitt led the meeting since Chairperson Hardeman was at a conference. She announced that the Faculty Senate began discussion of CCPI’s review report and tabled further discussion until November 28. Chairperson Hardeman invites any CCPI members who are available to join her at that Faculty Senate meeting at 4:00 p.m. The CCPI report will be at the end of the agenda.

* 1. New Courses Approved by the Honors Council
     1. GH 101, Stranger Than Fiction: Happiness, Hope, and Meaningful Lives, 3 s.h.
     2. GH 299, Political Cartooning, 1 s.h.
     3. GH 299, The Civil War in Americans’ Memory: Retracing Sherman’s March to the Sea, 1 s.h.
     4. GH 299, Science and Public Policy, 1 s.h.

The new courses approved by the Honors Council were presented to CCPI as informational items.

1. Old Business – None
2. New Business
   1. Curricular Requests from the School of Agriculture
      1. Request for Change in Course Title and Description
         1. AGRN 377, Field Crops of the Midwest, 4 s.h.

**Current:** Field Crops of the Midwest

Grain and forage crop characteristics, production and utilization in the Midwest; roughages for livestock; pasture improvement and management; identification of crop plants, seeds, and pests.

**Proposed:** Crop Ecology and Management

Grain and forage crops response to climate and management of soil and water resources. Crop management practices that maximize productivity and minimize environmental impact.

**Motion:** To approve AGRN 377 (Walters/Burke)

Dr. Shupe asked about the statement in the Rationale for Change that “the current course content includes content such as identification of crop plants, seeds, and pests that are covered in other courses (AGRN 176 and AGRN 373).” Agriculture Professor Mark Bernards explained that the proposed change is intended to differentiate these courses more than currently. He teaches about crops and seeds in AGRN 176, and AGRN 373 is largely focused on identification. He said the change in course description for AGRN 377 will make it more closely reflect what he has been teaching over the past few years.

**MOTION APPROVED 10 YES – 0 NO – 0 AB**

* + 1. Requests for New Courses
       1. AGRN 370, No-Tillage Farming, 2 s.h.

**Motion:** To approve AGRN 370 (Shupe/Walters)

**MOTION APPROVED 10 YES – 0 NO – 0 AB**

* + - 1. AGRN 372, Crop Science Judging, 1 s.h.

**Motion:** To approve AGRN 372 (Burke/Shupe)

**Changes:**

* Change second sentence of course description to” Identifying crops and crop pests; troubleshooting crop problems; and calculating agronomy, pest control, and fertility.”
* Minor grammatical corrections.

**MOTION APPROVED WITH CHANGES 10 YES – 0 NO – 0 AB**

* + - 1. AGRN 477, Weed Science Competition, 1 s.h.

**Motion:** To approve AGRN 477 (Walters/Burke)

Dr. Shupe pointed out that the Relationship to Courses in Other Departments states that “This class will apply content from BOT 200,” but this is not listed as a prerequisite. Dr. Bernards responded that most students that take this class would have already taken BOT 200. Vice Chair Gravitt asked if the school will submit changes to existing programs to add the new classes. Dr. Bernards replied that they will be open electives for most programs, but AGRN 370 may be added to some minors in the future. He added the School of Agriculture has talked about doing a review of their majors and all science-related curricula next semester.

**Changes:**

* Change “troubleshooting” to “troubleshoot” in the course description and remove duplicative phrase.
* Change date to appear in undergraduate catalog to Fall 2018.

**MOTION APPROVED WITH CHANGES 10 YES – 0 NO – 0 AB**

* 1. Curricular Requests from the Department of Economics and Decision Sciences
     1. Requests for New Courses
        1. DS 200, Introduction to Business Analytics, 3 s.h.

**Motion:** To approve DS 200 (Hemphill/Walters)

**Change:** Change “Develop” to “Demonstrate” in the third course objective.

**MOTION APPROVED WITH CHANGE 10 YES – 0 NO – 0 AB**

* + - 1. DS 321, Data Visualization for Decision Making, 3 s.h.

**Motion:** To approve DS 321 (Shupe/Walters)

**Changes:**

* Change abbreviated title to DATAVIZ DEC MK.
* Change DS 590 on p. 2 to CS 590.
* Obtain letter of support from Department of Engineering Technology since Graphic Communications is referenced in the Relationship to Courses in Other Departments section.
* Minor grammatical corrections.

**MOTION APPROVED WITH CHANGES AND LETTER OF SUPPORT FROM CHAIR OF DEPARTMENT OF ENGINEERING TECHNOLOGY**

**10 YES – 0 NO – 0 AB**

* + - 1. DS 480, Predictive Analytics, 3 s.h.

**Motion:** To approve DS 480 (Lynn/Intrieri)

**Change:** Add STAT 171 to prerequisites since this is a prereq for DS 303.

**MOTION APPROVED WITH CHANGE 10 YES – 0 NO – 0 AB**

* + - 1. DS 485, Big Data for Business Decision Making, 3 s.h.

**Motion:** To approve DS 485 (Intrieri/Hemphill)

Dr. Intrieri asked if the course will be taught as a case study. Economics and Decision Sciences professor Jessica Lin replied that it will not. She said the department wants to distinguish between what Computer Sciences is doing and what Economics and Decision Sciences plans to do, which is to focus on business applications. Dr. Intrieri asked if students will be using SAS. Economics and Decision Sciences Chair Tej Kaul replied that, generally speaking, students will work with SAS or R statistical software in DS 490 and will be advised accordingly. Dr. Walters pointed out that the narrative in the proposal says that students will gain hands-on experience working with both.

Vice Chair Gravitt asked about the differences between big data and other data. Dr. Kaul replied that the biggest difference is quantity of data, which is humungous and requires a different kind of handling. He added that “big data” is a buzz word that is being much used. Dr. Lin stated that big data requires individuals to draw some meaning from massive amounts of information. Dr. Intrieri observed that the social sciences are struggling with big data as well. Dr. Kaul explained that big data does not just include the business side but involves large amounts of scientific or other forms of data. He added that the current request is for a B.B. in Business Analytics, but in the next two years Economics and Decision Sciences is planning to bring forward a B.S. in analytics as well.

Dr. Intrieri asked if the department has faculty with scholarly work in big data. Dr. Kaul replied that Kasing Man has done some work in this area. He said the department created a post-baccalaureate degree in Business Analytics three years ago and now has an M.S. in Business Analytics, so the B.B. represents a logical progression to the undergraduate side.

**Change:** Add STAT 171 to prerequisites since it is a prereq for DS 303.

**MOTION APPROVED WITH CHANGE 10 YES – 0 NO – 0 AB**

* + 1. Request for New Major
       1. Business Analytics

**Motion:** To approve new major (Walters/Intrieri)

Dr. Intrieri asked what the potential market is for this degree. Dr. Kaul replied that there is a huge market right now for business analytics because every big company wants data analysts on their staff to mine the significant amounts of data they have collected. Dr. Lin stated that the Bureau of Labor Statistics lists business analytics as one of the fastest growing job markets in the nation and the number one fastest growing market in Illinois. Dr. Kaul added that this is the only business major with STEM characteristics as designated by the Department of Homeland Security, which publishes a complete list of the fields that fall under the STEM designation. He hopes that international students will be attracted to this degree.

Vice Chair Gravitt asked if the department anticipates having a faculty load issue if they are unable to hire two new faculty. Dr. Kaul replied that both positions have been approved, and the department is in the process of recruiting. Dr. Lin added that the B.B. has a huge business core, and students would not be able to take the business analytics courses until they are in their junior or senior years under accreditation rules, so if there is a failed search the department will have another cycle to try again.

Vice Chair Gravitt asked if the department anticipates that students will switch to Business Analytics from existing majors. Dr. Lin replied that they anticipate attracting students as new freshmen.

Dr. Intrieri asked if Mathematics has assured Economics and Decision Sciences that they will offer the Math courses included in the new major on a regular basis. Dr. Kaul replied that he has spoken with the chair, and the department already offers the courses at least once a year. Economics and Decision Sciences is already using the courses with a G component for the M.S. in Business Analytics. Dr. Intrieri remarked that sometimes MATH 474 is only offered as an independent study. Dr. Lin stated that her department has other options if this occurs, but they have had a lot of success working with Mathematics. Dr. Kaul said Mathematics had several more statisticians on the faculty a few years ago and have lost some to retirements, but they are putting forward a request to hire new faculty. He said these same courses are used for Mathematics graduate and undergraduates students, so the expectation is that they will continue to be offered. He added that if Mathematics is unable to offer the courses, Economics and Decision Sciences would offer them in order for their students to complete their degrees in a timely fashion.

**Changes:** Indicate that ECON 487 in core courses and CS 214 in the Other category are 3 s.h. each.

**MOTION APPROVED WITH CHANGES 10 YES – 0 NO – 0 AB**

V. Provost’s Report

Ms. Prosise reported that the German minor is entering phase out and is scheduled to be eliminated after Spring 2019, so there will only be 11 minors that will need to be changed if the recommendations in the CCPI review report are approved.

**Motion:** To adjourn (Szyjka)

The Council adjourned at 4:30 p.m.

Jeff Engel, CCPI Secretary

Annette Hamm, Faculty Senate Office Manager and Recording Secretary