

**Minutes
Academic Council
September 1, 2015**

Present: Barnes, Barrios, Bratberg, Daly, Gathman, Hinkle, Humphrey, Jenkins, Johnson, Kendrick, McAllister, McDougall, McGowan, Ortiz, Roeder, Rogers-Adkinson, Suhr, and Weller-Stilson

Guests: Brad Deken

A. MINUTES:

Upon a motion by McGowan; seconded by Rogers-Adkinson, the minutes of May 5, 2015, were unanimously approved.

B. ACTION ITEMS:

1. Bachelor of Science in Industrial & Systems Engineering – New Program

McGowan moved approval of a new Bachelor of Science in Industrial and Systems Engineering program; seconded by Gathman. Deken explained that the program proposal came about due to demand for such a program. The department will seek ABET accreditation for the program after the first students graduate. There are three new courses: EG2XX, Systems Engineering (listed as EG5XX on the proposal, but changed to a 2XX level, and reduced to one credit hour); EG506, Operations Research (listed as EG5XX on the proposal); and EG492, Modeling and Simulation, which will be co-listed with the existing graduate course, IM692. Gathman had questioned the projected 50 hours for the course content in the new courses; Deken explained it was calculated by a combination of lecture/lab hours. Gathman also questioned the projected revenue figures on the Financial Projections page; the \$231.75 per credit hour includes general fees, which don't go toward instructional revenue. The correct figure is \$199.30. Gathman also commented on the estimation of students taking fifteen credit hours per semester being high; McGowan stated that 15+ credit hours is typical for students in these program areas. Daly noted that the prerequisite for EG506 should say MA523, rather than Stat 523. Gathman questioned how the program would be staffed; Deken explained that the department expects to do overloads, and reduce other course offerings. McGowan stated that the only other similar engineering program is offered at Mizzou, and he expects there may be some comments from them when our proposal is posted for review. Deken will send changes to proposal to Jen Smith. Motion passed unanimously.

2. Bachelor of Science in Industrial Distribution – New Program

McGowan moved approval of a new Bachelor of Science in Industrial Distribution; seconded by Gathman. Deken explained that the program proposal came out of discussion between he and McDougall and contacts they both have that expressed the need for the program. The department worked with the College of Business, as the program will have courses from the Departments of Polytechnic Studies, Management and Marketing, and Accounting. The program will offer 15 credit hours from areas under the Technology Management program. There are two new courses: EG492, Modeling and Simulation, which will be co-listed with the existing graduate course, IM692; and IM405, Innovation for a Lean Enterprise, which will be co-listed with the existing graduate course, IM605. Gathman questioned if there will be sufficient openings in the existing courses; Deken said they have just recently started seeing that those courses are filling up, and may have to offer an additional section. McAllister questioned the CIP Code for the program, as a 52 code is generally for Business programs; he will look at the CIP Code list and see if there is one that is a better fit for this program (after the meeting, McAllister and Deken agreed on CIP Code 15.1501). Gathman questioned the number of hours associated with each topic in the IM405 course outline; Deken explained it would be 3 hrs per week. Ortiz noted that QM558 lists QM358 as a prerequisite, but that class will no longer exist. Gathman noted that the University Studies portion of the

program outline should note that the Physical Systems course is listed under the Major courses. McDougall added that there is strong support for this type of program, especially in the St. Louis area. He knows of firms that have recently established scholarships, and have internships for students in these programs. McDougall complimented Deken for his work on the proposal. Motion passed unanimously.

C. Informational/Discussion Items:

1. Cybersecurity for Business Systems Minor – Curriculum Revisions

Deken explained that when the minor was approved, they had only listed two courses under the “Choose 3 hours from:” section, but there are three additional business courses that have been added.

D. Other:

1. McDougall explained that last year, there was a proposal to reduce the University 3XX/4XX level requirement from 9 hours to 6 hours. The Council tabled the proposal, in anticipation of the upcoming review of the University Studies program. After that proposal, Provost Eddleman supported requests to exempt up to six hours of the requirement. McDougall has since put a moratorium on such requests. He explained that a question was brought to him that if a student changes majors and suddenly the full nine hour requirement is in effect, does the student have to fulfill the full requirement. He explained that his thinking is that whatever requirements stand for the declared major are what is expected of the student.
2. Hinkle reminded everyone that Fall Break is the week of Thanksgiving this year, and will throw off the dates for First 8 Week and Second 8 Week courses. She asked that Council members remind their faculty who teach those courses. McDougall also asked that Council members remind their units of Fall Break being the full week of Thanksgiving.
3. Gathman explained that Winter Intersession courses must meet QM standards before being approved for active status in Banner. He said that departments can enter courses that aren't yet approved, but must enter with an inactive status until approved. McDougall has asked Gathman to closely monitor the inactive status list.

Upon a motion by Jenkins; seconded by Daly, the meeting adjourned.