

**Industrial Advisory Committee
Technology Department
Meeting Minutes: May 4, 2012
College of Engineering
Carbondale, IL**

Present:

1. Jim Akers (Woodward Governor)
2. Chuck Kuhn (Aisin)
3. Kelly Fenton (IMEC)
4. Sam Hoskins (mistakeproofing.net)
5. Brian Milligan (The Boeing Company)
6. Roger Chang
7. Bruce DeRuntz
8. Julie Dunston
9. Mandara Savage
10. Tomás Velasco

Introduction of Members

The meeting commenced with an introduction of the industrial advisory committee members and on-campus faculty.

Approval of Spring 2011 Minutes

Minutes of the Industrial Advisory Committee meeting held on April 29th, 2011, were reviewed. *Motion to approve the minutes was made by C. Kuhn, seconded by R. Chang. Motion was approved unanimously.*

Nomination of Kent Gouty

A motion was made by B. DeRuntz to nominate Kelly Fenton as a new member of the industrial advisory committee. J. Dunston seconded the motion. The motion was approved unanimously.

Announcements

- a. M. Savage presented the enrollment numbers. There are 307 total IT students, with 69 on-campus and 238 off-campus. Manufacturing Systems has 27 students currently, with 20 enrolled on-campus and 7 enrolled in the on-line program. As of April 24, there are 12 students that have been admitted to the program for fall 2012, 9 on-campus and 3 on-line. 17 students have been admitted to the on-campus IT program for fall 2012 but not all will necessarily decide to enter the program. C. Kuhn inquired if we had contact information on those students so that we could encourage them to join the department and utilize the LDP program as a draw for recruitment. B.

- DeRuntz responded that the LDP program is a great incentive in that it provides a full scholarship for juniors or seniors. ATS (sponsor of the LDP program) offers a \$5000 signing bonus for students who obtain employment with them upon graduation.
- b. T. Velasco announced that approximately 80 people attended the 9th annual ASQ conference on campus, held April 26th. Roughly half of the participants were students and the other half were professionals. One of the goals of the conference is to have most of the IT students in attendance. K. Fenton recommended notifying students that the conference provides a great opportunity for them to network with potential employers and learn about employment opportunities.
 - c. J. Dunston announced that the College of Engineering has a new dean, John Warwick, who joined the College in summer 2011.
 - d. Dave Allabastro, the department technician, will be retiring on July 1, 2012. M. Savage stated that, in all likelihood, there would not be a replacement for the position. B. Milligan asked if the department could utilize the resources of the local electrical union and ask for a donation of their time on projects. M. Savage replied that this typically accomplished in a limited function and not for unplanned activities that occur in the day-to-day operation of the department.
 - e. J. Dunston announced that that name change for the master's program from Manufacturing Systems to Quality Engineering and Management was approved at the Graduate Council meeting in April. This was the last step in the approval process. S. Hoskins asked when the new name would appear on degrees and M. Savage responded in summer or fall 2012.

Industrial Technology

- a. J. Dunston discussed the new changes in the University's capstone option. Instead of the old 60-hour requirement beyond the associate's degree, the cap has been removed students are now required to take a minimum of 42 hours of 300- or 400-level courses. R. Chang commented that this was a benefit for off-campus students since they often find it difficult to satisfy the 60-hour requirement. The department's curriculum changes, in response to this new capstone requirement, were presented to the committee.
- b. M. Savage mentioned that efforts are being made to align the off-campus curriculum with the on-campus curriculum. J. Akers stated that in a similar situation at another university (Wisconsin), on-campus faculty develop the course and provide off-campus instructors with a course packet. J. Akers volunteered to send an example of one such packet. R. Chang commented that there is a challenge for off-campus students who enter the master's program and take the advanced black belt course. As a result, the content of the master's course should be reviewed. T. Velasco added that minimum levels of competency need to be developed. C. Kuhn recommended reducing the gap in knowledge by creating an overlap between the last assignment in the senior course and the first assignment in the graduate course. B. DeRuntz added that Microsoft Project, which is utilized in the undergraduate program, needs to be taken to the next level in the graduate program. There is a potential for a gap there as well.

- c. J. Dunston commented that the University is transitioning its course management software from Blackboard to Desire 2 Learn. B. DeRuntz emphasized the need for standardization in course development. K. Fenton recommended aligning the content with quality engineering or black belt certifications. J. Akers added that prerequisites be identified according to what is needed to proceed to the next course.

Manufacturing Systems

- a. J. Akers inquired as to the format of on-line course delivery. The faculty responded that a variety of methods have been used: voice-over recordings, e-pens, PowerPoint presentations, etc.
- b. New courses in the Manufacturing Systems curriculum were presented to the advisory committee for review.
 - i. B. DeRuntz asked if supply chain management should be added to the curriculum. B. Milligan recommended that supply chain management content be added to either the project management or project leadership course. M. Savage inquired about adding supply chain management to the undergraduate program. S. Hoskins suggested that it this could be incorporated into the PIC course. R. Chang stated that reviewing current job ads is an effective means of identifying what content should be covered to stay current.
 - ii. A PowerPoint presentation on global manufacturing, recommended and developed by K. Gouty, was presented. This content is covered, in large part, within the lean manufacturing courses.
- c. The exit interview and alumni survey for the master's program were presented to the committee for review.
- d. J. Dunston commented that the department would be exploring the possibility of obtaining 3rd party recognition of the graduate program, accreditation or otherwise. Since the master's program name change has been approved, the department has been discussing possible name changes for the undergraduate program. However, the IT name is well-known in off-campus circles, so M. Savage presented the possibility of separating off-campus and on-campus into two different accreditation groups. It was agreed that further discussion of this topic needs to take place at the next industrial advisory committee meeting.