CIS Advisory Committee Meeting

November 18, 2014
Room A-1270
6:00 PM

Present: Adam Larson, Sara Pohl, Vickie Klick, Gene St. Louis, Mark Uscian, Craig Villacorta (guest), Susan Grever (during break), David Klick (after class)

The formal meeting started at XX:XX PM

1. Craig Villacorta, IT Director of Kishwaukee Health System
   o "I oversee everything that plugs into the walls"
   o Two hospitals (a small one in Sandwich), ~23 satellite offices and growing
   o ~30 full-time IT employees, ~1/2 doing application development and maintenance, 1/2 technology/infrastructure. 50% have two year degrees, 50% with a four year or graduate degree
   o Microsoft shop - SQL server, C#, .NET programming
   o Cisco shop on networking side
   o HP servers for storage
   o VMWare for virtualization
   o Medical record system programming in proprietary language from software provider (Metatech)
   o Recently hired analytics/business intelligence/data scientist - using Hadoop etc. Probably will hire another after a few other hires
   o Technology/infrastructure team includes 5 help desk members - entry level but must be good with people as well as good with technology
   o Supply equipment/networking to physicians when they join the Kishwaukee Health System network - most connected by fiber
   o Either converting physicians to electronic medical records or transitioning their existing EMR to the Kish system
   o Don't have a lot of turnover, but interested in internships and having people in the pipeline
   o Database and analytics/business intelligence are hot areas on both administration and development sides. Hoping to be able to hire a database administrator in the near future. Report writing/creation with SQL is a critical need to make data useful. Finding certified and affordable Cisco talent is a challenge in DeKalb with competition from Naperville area jobs. VMWare is a hot skill, and project management is also needed (PMP is desirable but not required). Security is a needed skill set, especially Cisco security
   o Continuing education is encouraged with a tuition reimbursement program
   o Immediate challenge is integrating a medical clinic in Rochelle into the system
   o Technical challenges: security, disaster recovery, 24x7 access (especially in critical situations)
   o 80% of user access equipment is thin clients - use VMWare virtual desktop for access from anywhere

- o Physicians and security issues keep him up at night. Not ready to support BYOD from a security perspective, but doctors want it.
- o Likes to hire bright kids with two-year degrees (or even less) given his personal history, encourage learning while working

2. Approval of minutes from Spring 2014 meeting. The web certificate work was completed on March 21 and is going to curriculum committee this month.

   No updates suggested - declared approved.

3. Overview of program enrollment and discussion.

   Don't have an explanation for the large KEC number this fall - surprising with lack of continuity in the program. The job market has improved, so enrollment has declined.

4. Result of student enrollment survey.

   Most find out about CIS via the college website. Survey not handed out in all classes due to overlap in programming classes. Jim Sager's surveys from 118 (only two) came in after the results were tallied. The employers who were sending employees for more education before the recession have been merged/bought out/etc. Perception that employers now expect people to know what they need already. Adam asked Sara about marketing to local businesses; broader issue than CIS. Getting marketing info on CIS to the IT organization can be difficult.

5. Review and approval of new networking course descriptions

   Updated to reflect new Cisco content, etc. Descriptions more general to stay current longer while updating details in syllabi, avoiding need to send changes to the state. Details in syllabi will available online for reference.

   - o CIS 140
   - o CIS 142

     No changes

   - o CIS 143

     No changes

   - o CIS 145
   - o CIS 146
   - o CIS 147
   - o CIS 148
   - o CIS 182
   - o CIS 282
   - o CIS 283

Correct typo - CIS 182->282

Gene moved to accept, Vickie seconded, all three non-faculty members approved

6. Review and approval of CIS 160 and CIS 260 descriptions and outcomes.

   Changes are to get CIS 160/260 approved by Illinois Articulation Initiative (IAI) as CS1/CS2 - facilitates transfer of courses to four-year schools. CIS 150/250 are already articulated as CS1/CS2. Added math requirement for CIS 160 is required by IAI. Topics were already very similar to CS1/CS2; dropped number systems, which are not required.

   Need to update master syllabus for 260 to remove extra week (17).

   Vickie moved to accept, Gene seconded, all three non-faculty members approved

7. Additional topic

   David brought up a proposal to modify CIS 119 (Javascript) to remove the prerequisite of CIS 118 (Foundations of Web Site Development). As it turns out, programming knowledge is more important for CIS 119 than web design.

   Vickie moved to accept, Gene seconded, all three non-faculty members approved

8. If time permits, discussion of dual credit possibilities.

   With lower enrollments, there is also a problem with lower-quality students who are less ready/able/motivated to do the work. Mark has brought up the idea of dual credit high school/college courses previously; he sees this as a way to get students better prepared. Suitably scheduled telecourses would reduce the problems with the KEC bus transportation. Adam's high school already has distance learning with psychology and sociology, so they have the classroom infrastructure. There are also lower-cost options such as screen sharing with audio-only conferencing (GoToMeeting, etc.). Adam will work with Mark to explore possibilities.

   It would also be desirable to use telecourses to merge enrollments for high-level courses among multiple colleges (e.g., the later Cisco courses).

Vickie moved to adjourn; Gene seconded. The meeting was adjourned at 8:07.