



Construction Management Advisory Committee

Date: December 2, 2014

Called to order: 12:09pm

Adjourned: 1:20pm

Chairperson: Tom George (David Ruff)

Person completing report: Cindy Kemp

Members present from industry: Dino Franco, ACNM, Carla Kugler, Associated Builders & Contractors, Margo Maher – AGC, Frank Shaw – APS.

Members present from CNM: Amy Ballard, AT Associate Dean, Lisa Chakos Knapp, CTE Outreach, Michael Cranney, AT Associate Dean, Tom George, Instructor, David Ruff, Instructor.

Next scheduled meeting: Spring 2015.

I. Welcome/Introductions: By David Ruff.

II. Minutes: Minutes were approved.

III. Reports/Old Business:

- Enrollment looks fairly good in the beginning classes for the Spring 2015 term. Concerned with first term class enrollments, but should pick up enrollments before the start of the term. Also concerned with 4th term class enrollments, low; classes conflict with the construction surveying class. Additionally, there is an underlying problem with enrollments that started with the 2011-2012 term, students are falling through, causing lower enrollments.

IV. New Business

- Hired a part-time GIS/SUR instructor as a full-time instructor. He is required to attend the New Faculty Institute. This institute is conducted on Fridays, the same day that the SUR class was taught, had to be moved to Thursday.
- New for the Spring 2015 term, offering 3 courses as distance learning courses (online courses).
- Have students been taking the basic courses at CNM then moving on to UNM to finish? Used to have a fairly consistent pipeline. The relationship with UNM has been curtailed over the last few years, there is not as much carryover as there used to be.
- CNM/UNM relationship: on the road to improving the relationship between the two schools. There had been some talk about UNM offering the articulated classes, but it looks like UNM will no longer offer those classes.
- UNM is no longer going to offer freshman and sophomore classes. During the last ACCE accreditation process, UNM was accredited for 3 years. The accreditation committee said that because there is a two year accredited program at CNM, UNM did not need to offer the freshmen and sophomore classes. UNM has only 30 students in their program. There was discussion with UNM to create a 2+2 program, but it could not be made to work with both



school's two year programs. What would work is a transfer degree, it is up to CNM to determine how this would be done.

- If courses could be offered as distance learning, it would be possible to market them to UNM Valencia campus. Would be another option to create a transfer degree.
- What we try to do is develop more hybrid and blended courses rather than offer strictly online courses. Would improve the success rate of classes. This concept is nice, but it was expressed that contact hours in the classroom are important. Being able to ask questions of the instructor face-to-face is beneficial.
- Success rates for distance education classes can be low, but for some students, distance education is the best solution for them.
- Does UNM do a surveying course for their CM degree? Yes, a transportation systems class.
- Outreach efforts. For CM, we do a lot of outreach with high schools and community events. Not a lot of high school students are thinking about CM. Have had good success with Running Start programs for high school students; many charter school students enroll in these courses.
- Should we partner up with industry or business to create a Running Start class? There is an integral industry component to creating and offering Running Start classes. The Running Start program partners with the Mayor's Office and they typically provide the funding for the classes. Also have an industry partner that provides funding. These classes are good to give students an idea of the field of CM. Running Start is a dual credit program for high school students centered around career/technical education courses. This program is for kids that might be at risk. College credit is earned for the courses. CNM waives the AccuPlacer for these students. ACE Leadership High School has a program in place at CNM, but only ACE students can participate in that program.
- There is talk about creating a Running Start class that covers CM, surveying, mapping; difficult because we are looking for transferability.
- CTE Career Technical Education day. Will be on February 27, 2015. All high school students in the area are invited to CNM to explore career pathways. 1,600 to 2,000 students come to the campus and tour different areas of interest.
- ACCE is our accreditation body, they are moving towards a student learning outcomes based accreditation. Has been adopted and will take effect in 2016. 13 student learning outcomes have been adopted and will be required of accredited programs to follow. A tool we can look at is Bloom's Taxonomy – helps determine levels of student understanding and knowledge.
- Question for discussion: should we add a level of intensity and rigor to the student learning outcomes? We should map out ACCE learning outcomes to help determine if this should be done – starting to work on this. When the reaccreditation process begins, ACCE will evaluate how the curriculum map for the CM program matches up with ACCE learning outcomes.
- Have been using the capstone class primarily as an assessment tool and for creating a portfolio to demonstrate student learning and knowledge. Also gives students the opportunity to reflect on the work that they have done. Would industry support reinstating the course? Part of the reason behind the removal of the capstone course was the credit hours, there is a limit to the number of credit hours a student can have. The content should still be able to be covered in other courses. 60 credit hours is the standard and capstone classes are generally let go to reach the standard.
- What new technology/software should we be teaching in the CM program? How do we get our students into construction companies? Teaching Revit is the way to go. 3D scanning and



modeling is becoming bigger – Holman Technology would be interested in helping teach this technology. Drone technology should be introduced into the CM program.

- The question becomes how does the construction manager use these technologies? Useful for quality assurance and quality control in projects. An advantage to 3D scanning is the amount of time saved and data that can be yielded.
- Not a lot of jobs in the industry right now.
- The New Mexico Transportation Scholarship Fund will be offered to CNM students beginning in 2015.

V. Adjournment: Motion made to adjourn, adjourned at 1:20pm.