



## CM Advisory Committee Minutes, Spring 2017

**Date:** Friday, March 17, 2017

**Number of Attendees:** 14

**Called to order:** 12:14 pm

**Adjourned:** 1:45 pm

**Chairperson:** Tom George

**Recorder:** Jennifer Woods

**Members present from industry:** Tyler Corey, HB Construction; Dino Franco, ACNM, Highway Chapter; Sam Hatchell, Jaynes Corp.; Brian Lowery, CMC Rebar; Ralph Mora, AGC; Scottie Richardson, S & P Management; Dart Wofford, AUI, Inc.

**Members present from CNM:** Amy Ballard, Tom George, Amanda Glennon, Karen Grandinetti, Dawnn Moore, David Ruff, Jennifer Woods

**Next scheduled meeting:** Friday, December 8, 12:00 pm, Advanced Technology Center

**I. Welcome/Introductions:** Tom George opened the meeting and introductions were made all around.

**II. Minutes:** Minutes from the fall 2016 meeting were approved with two changes; Under reports, the three-year grant should be \$300,000.00. Also under Old Business, Dart Wofford said that he thought accounting was a good thing. Changes made 03-21-2017.

**III. Reports:** David handed out information which will be added to these minutes. The handouts show an analysis of the downward trend in enrollment and the number of terms it takes students to graduate. Amy said that the enrollment numbers for the CM program are enough to keep the program alive. There is a decline across the nation in college enrollment, so CNM is not alone in this. We do not see enrollment of students straight out of high school; our students tend to be older (the average age is about 27 years old). Our student body consists of mostly workers who have been involved in the industry for five or ten years, or people who have been working outside the industry and want to make a career change. As part of our outreach efforts, we are always looking at ways to engage high school students and involving industry to help us reach those students. Amanda explained about the outreach efforts her office does. Dual credit enrollment is up, but a little slower in CTE programs.

**IV. Old Business** We did a revision of the curriculum, and the program has been shortened from 72 to 64 hours. The college is pushing for 60 credit hours.

**V. New Business** David offered the idea that we should start raising interest at the elementary school level, such as taking kids out on field trips to job sites.

Amy asked about the heavy equipment rodeo. It will be April 21. David wants to see our equipment classes scheduled in the spring in order to take advantage of this event.

Karen talked about the open house/career exploration event that will take place at the Advanced Technology Center on April 12. The Job Connection Services will be in touch with all the members about this. The new sustainability program will start this fall.

David thinks it would be a good idea to do continuing education credits for workers in the industry, for example, updating estimating skills.

**Curriculum Review** – Refer to handout

- CM 1105 – We are dropping the hand drafting requirement and including Revit. If we include Revit, the class description needs to say that the class introduces Building Information Modeling. This class articulates with the UNM program so changes would have to be approved by them.
- CM 1125 (previously CM1115) – The name has changed. It is now a two credit hour class.
- CM 1205 – This class includes Navisworks. Estimators are using Revit, but it was noted that Bluebeam is used a lot now for estimating. Now we are using Timberline and On Screen Takeoff, mostly because the software is free for us. Exposure to Bluebeam would be helpful.
- CM 1215 – Should we stay with Dirt centric? Advisory members spoke about the importance of learning about earthwork equipment. This course is helpful for either someone who wants to go into business for themselves or work for another contractor. Also, covers elements of construction accounting principles.
- CM 2125 – This class is now called Structures. It replaces Statics. The focus of this class is to change the emphasis on calculations of bending moments, reactions, and beams, to discussing the different types of structures, slabs, footings, etc.

There are a few gen. ed. classes that the ACCE requires for accreditation including a basic accounting class in third term. These changes will be presented to the College Curriculum Committee in the fall for the 2018-2020 catalog.

**Student Learning Outcomes** – Refer to handout

- Item #2 – Estimating – Sam suggested Design/Build and CMAR processes and their use of conceptual estimating should be discussed. David mentioned design\build and CMAR delivery methods are discussed in the phases portion in the 1105 class but not estimating techniques.
- Item #6 – Accounting – It was noted that cost projections reports, (WIP) Work in Progress), should be included. In the second scheduling class, projections for future costs are discussed. It is not a unit driven cost. Will the class cover issues about costs of change orders?
- Item #8 – Ethics – The class covers bid shopping, bid peddling and collusion. Are there any other topics we need to include? The topic of properly reporting costs was mentioned. David brought up the issue of unethically substituting an inferior and cheaper product from what the specs call for. Craft labor utilization is an issue too. Should state legislative issues be discussed in this class? Example: Should an American contractor bid on the building of the “Wall”? Is this a moral issue or an ethics issue?

Karen talked about involving students into projects that our industry partners are doing. She also mentioned **Slack**, which is similar to LinkedIn, but is set up as channels, each channel devoted to a different topic, and is an easy way to communicate directly with people who are involved in the same/different projects.

**VI. Future Trends and Concerns** – We are accepting applications for P/T instructors in CM and Surveying. Tom said that he will be retiring by summer term 2018. David asked if employment in the construction industry is picking up. Tyler said he needs supers, Dart said he needs people, Ralph needs people. Brian wanted to know about the CNM Job Connection Service.

**VII. Date and time of next meeting:** Friday, December 8, 2017, 12:00 pm

**VIII. Advisory Member Feedback Survey:** Given to three of the industry reps present.

**IX. Adjournment** 1:45 pm