



ARDR Advisory Committee

Date: March 19, 2015

Called to order: 9:08 am

Adjourned: 10:55 am

Chairperson: Nitish Suvarna

Person completing report: Jennifer Woods

Members present from industry: **Shilpa Achrekar** – SW Glass and Glazing; **Patrick Andrews** – SW Glass and Glazing; **Ron Balmer** – Bridgers and Paxton; **John Pierson** – Dekker Perich Sabatini; **Carolyn Gutierrez** – Van H. Gilbert Architect; **Chrystal Taliman** – Dyron Murphy Architects; **James Milano** – Integrated Design and Architecture; **Ryan Salvador** – Van H. Gilbert Architect; **Nitish Suvarna** – Dyron Murphy Architects; **Tymn Waters**; SMPC Architects

Members present from CNM: **Theresa Baca** – Career Center Advisor; **Amy Ballard** – AT Associate Dean; **Phyllis Cece** – CNM Instructor; **Lisa Chakos-Knapp** – CNM CTE Outreach; **Peter Kalitsis** – CNM Instructor; **David Miertschin** – CNM Instructor

Next scheduled meeting: Tentatively – March 2016

I. Welcome/Introductions: Introductions were made.

II. Minutes: Minutes from March 27, 2014 were approved

III. Reports: Peter Kalitsis provided an updated agenda:

- Peter reports that the ARDR program consists of 53% Revit (Arch, Struct, ME), 47% AutoCAD plus introduction to Sketchup
- Amy reports that the Instructional Tech left her position, so another position is being created to support both the ARDR program and GIT, and also ITS issues
- David reports that a new class called Introduction to Architecture (through CHSS) will start in the spring of 2016, as a way to advance students to a 4-year university. The ARDR program needed to be reduced, so the Design class was deleted from the program. We are trying to articulate with the architecture program at UNM and add more pre-architecture classes. This gives students more educational options. Some students go to UNM, some go to engineering school, or NMSU.
- ENMU transfers 60-68 credits for online Career Technical Bachelor's.
- Enrollment: Graduates have given presentations to AT classes about the program. AT 1005 Overview class of all AT classes. We have internships and job shadowing is being explored.
- Marketing: Lisa reports she is focusing more on dual credit programs, instead of just outreach, which gets her out to schools in the region in order to inform students of our programs. Ron says it is difficult to find students who want to do mentoring or internships. The reality is, the industry does not do much on- the- job training because everyone is so busy. Nitish says that mentorships are available, but students are not that interested. "Running Start" is a new program (like dual credit), where industry partners prepare high school students for the work place. We don't know if this is feasible for the ARDR program. This was initiated by the mayor's office, and funding is an issue. Tymn says that a lot of HR stuff has to be in place before a company can take on an intern. Background checks, changes to policies. Coordination of work schedules is a big issue. This is why ARDR classes are all in the afternoon and evening, so the students have a regular block of time to go to work.



- CTE Open House was cancelled because of weather. It is rescheduled for April 10, which is also SKILLS USA Day. What was planned was a “crime scene” in the cottage, but ARDR could not fit in. John says that 3D modeling is used now in architecture, but this equipment is very expensive. CNM would consider this equipment if it could be used across programs, for surveying and ARDR. Laser scanning is now used with Revit. Many of our students are not up to the task to use all the newest technologies.

IV. Advisory Board

Status of Industry software use (AutoCAD, Revit, etc.)

- A) What software are you currently using? Revit is the most used. AutoCAD is used in special applications, Photoshop, Sketchup. SW Glass and Glazing uses AutoCAD almost exclusively. Dyron Murphy’s office uses Revit, Photoshop, Adobe Suite, Maya, 3-D Max for marketing. Tymn says he also use Microstation, and plug-ins such as Assa Abloy for door hardware.
- B) When do you anticipate upgrading your software? Are you adding software in the future? Most will continue with what they have and maybe add plug-ins

Employment and project status

John at DPC says they need structural drafters in 2D; Ryan at VHG says they are stable, but they do give a test to prospective employees; Carolyn says they have lots of projects, but she will train in Revit; Jim Milano says his office is small, but they are busy with remodels of apartments; Patrick at SW Glass says they always need people and it is difficult to find the right people. They need people who can read plans and elevations; Tymn at SMPC says they have been busy and are expanding, but can’t find the right people. They can’t train new people! They need people who understand building plans and elevations. He is looking for more people to put into production, but there are no prospects out there. They do Revit training in the office on a regular basis; Chrystal at Dyron Murphy says that this is a small firm with 4 principals. They are busy. Browser organization is a problem; Ron at Bridgers and Paxton says he is the BIM organizer. They have about 35 models currently. New employees get 2 hours of training, taught browser set-up and get mentoring. They are always looking for the right people. Gives a multiple choice test to new prospects. He is actually very happy with the CNM graduates he has hired; Nitish says business is picking up and they are looking for qualified people.

The 3 requirements essential for hiring an entry level employee

Graduates need to have more knowledge of building methods – how the parts are put together, and how BIM software works. Graduates need to learn how to read plans. Too many are used to Revit, where you just draw a line and a section is formed. But then they cannot visualize the elevation of the building properly. Students should know what a nice drawing looks like. Browser organization is also a big issue with entry level hires. Phyllis says she is afraid the students’ skills are too diluted, and they are becoming “Jack of all trades and master of none”. Revit is essential skill for all new hires, even if AutoCAD is also used in an office. Photoshop and Sketchup are useful.

V. Adjournment – 10:55 am