

**College of the Redwoods
Drafting Technology Advisory Committee
Minutes**

Thursday May 10, 2018
4:00-5:30 PM
Eureka Main Campus Room AT105 (CAD lab classroom)

Attendees: Cat Ory – CR and Ory Drafting and Design (Chair)
Chris Newell – SHN Consulting Engineers
Dave Stevens – Eureka HS
Steve Cole – Marimba One
Jon Baker – Humboldt Drafting Services
Sean Stewart – CR & HSU student
Steve Brown – CR Drafting
Derek Glavich – CR Construction
Mike Peterson – CR Manufacturing

1. Welcome and introductions – Cat Ory, Chair, welcomed committee members and asked for introductions.
2. Program update: Steve Brown
 - The DT program is preparing to write a self- study to ATMAE that will be presented in the spring of 2019 by gathering evidence including survey data. A visiting team will then validate the self-study and provide a recommendation to the ATMAE Board of Accreditation regarding our continued accreditation status. The Board will vote in November 2019.
 - The program is preparing another round of employer surveys and is reviewing the statewide student follow-up data.
 - The program is currently participating in two grant projects; CTEA and Strong Workforce. The CTEA grant funded Cat and Steve to attend the Autodesk University conference in the fall. Cat focused her coursework on Revit software and Steve focused on Inventor and Fusion 360. CTEA funded Steve to attend the Additive Manufacturing Users Group annual meeting to gain insight into industry applications of 3D printing and learn about the various hardware and software tools commonly found in industry today. He attended many break-out sessions, spoke with industry professionals, and developed relationships with vendors who are providing quotes to the College for equipment to be purchased with Strong Workforce funds. The Strong Workforce grant funded all new engineering workstations with dual monitors in AT105 and AT107. Orders have been placed for two new 3D printers; a 3D systems DLP system and a Formlabs SLA system. The addition of these printers will provide students with exposure to 4 of the 5 major 3D printing technologies.

- The annual Program Review was completed and there were no findings. Facilities and equipment needs were acknowledged but remain on the “to-do” list until the major building update happens “maybe” next year.
- Cat Ory and Sean Stewart will continue as part time faculty. They are doing a great job and contributing to the program through outreach efforts as well as teaching.
- In curriculum, as requested in last year’s meeting, there has been a greater emphasis on civil drafting applications, particularly in the DT25 course. The program is partnering with the FNR program to share survey data and the mechanical design students designed and 3D printed brackets to hold sensing devices on the FNR drone. Also in response to last year’s skills gap discussion, faculty have been stressing the importance of working to standards in all of our courses.

3. Review of Program/Course Outcomes/Goals – Cat/Steve

Committee members reviewed the current program learning outcomes and degree & certificate requirements and recommended no changes for this year. Steve will be administering an employer survey during the call to validate the program level outcomes.

4. Skills Gaps, Industry and employment trends – Cat

The committee indicated they are happy with the quality of students and workers that have come from the DT program. Employment opportunities remain steady and the only thing they would like more of is experienced candidates. Of course, they understand that is out of CR’s control. A few items that the committee wants the program to emphasize: project-based learning, integrating site plan survey data with CAD, RECAP, and students should be familiar with a complete set of plans.

The committee remained interested in how the program can incorporate Civil3D into the curriculum. Committee member Bob Bronkall developed an interest survey to be distributed to local employers. Committee member Chris Newell is working with his HR person to develop a distribution list through ASCE.

5. Announcements – Kerry Mayer will be joining the CE division as the dean beginning in the fall. Thanks to Erin Wall and Angelina Hill for the service as deans this past year.