

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

Tuesday April 30, 2019  
8:30 – 9:30 AM  
Eureka Main Campus Room AT105 (CAD lab classroom)

Attendees: Cat Ory – CR Part Time Faculty and Ory Drafting and Design (Chair)  
Jason Brown – Greenway Partners  
Sean Stewart – CR Part Time Faculty & HSU student  
Steve Brown – CR Drafting  
Kerry Mayer – CR Dean, Career Education  
Mike Peterson – CR Faculty - Manufacturing

1. Welcome and introductions – Cat Ory, Chair, welcomed committee members and asked for introductions.
2. Program update:
  - Due to the absence of a full-time faculty member in Drafting Technology beginning next fall and the ATMAE requirement of having a full time faculty member in an accredited program, the college opted not to pursue continued accreditation for DT with ATMAE for the near future.
  - Faculty spoke of the curricular innovations in their courses over the past year. Steve added Fusion 360 to the DT 60 course as well as new 3D printing technologies to DT50, DT80, and DT60. Cat has addressed a concern from last year’s Advisory Committee that requested more project management in her DT71 and DT73 courses. She has rearranged the curriculum to include more BIM content with the added benefit of increased student engagement and persistence. Sean spoke about the success of using the Pecha Kucha presentation technique in his DT25 course.
  - The program is currently participating in two grant projects; CTEA and Strong Workforce. The CTEA grant funded Cat, Sean 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. Sean took courses in AutoCAD and Civil 3D. The Strong Workforce grant has funded 3 new 3D printers which have been integrated into the curriculum of DT50, DT80, and DT60. The addition of these SLA style printers to the existing FDM and Polyjet printers in the drafting lab 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.
3. Discussion: Looking forward without full time faculty.

Committee members discussed strategies to staff fall courses and manage the program in the future. Steve explained the faculty prioritization that resulted in the DT program being recommended 2nd out of 10 position for hiring. Unfortunately, CR President Keith Flamer did not feel he could approve more than one faculty replacement this year due to budget concerns. That leaves the DT program without a full-time faculty member. Discussion ensued about the possibility of using Strong Workforce funding to bridge the staffing shortage and to update the skills of our existing part time faculty members during the summer. Cat is willing to pick up the DT80 and DT50 courses if we can find a qualified part-time faculty member to pick up her DT/ENGR23 course in the fall.

#### 4. Review of Program/Course Outcomes/Goals

Committee members reviewed the current program learning outcomes and degree & certificate requirements and recommended that PLO#1 include a reference to BIM during the next revision. We currently have BIM referenced in the CLOs for DT71 and DT73 but not at the program level. Because BIM is becoming so prevalent in the industry in addition to CAD, it was deemed valuable to have that in the PLOs.

#### 5. Skills Gaps, Industry and employment trends

Faculty report a significant increase in the number of employer solicitations for our DT students over the past year. It was recommended that the DT80 course, which uses 3DS MAX, have some content that shows the link between Revit and MAX. This would be valuable to local employers. Greenway Partners is expanding their business model to include Design-Build and project a need for more drafting and construction management employment positions.

#### 6. Announcements – Steve Brown is retiring at the end of the Spring 2019 semester.