
College of the Redwoods

Welding Technology Advisory Committee

Tuesday, May 9th, 2023

6:00 p.m. – 7:31 p.m.

7351 Tompkins Hill Rd, Eureka CA 95501

AT-127

Meeting Minutes

Attendees

Kyle Shamp, College of the Redwoods

Jerry Goodrow, College of the Redwoods

Ian Cossar, College of the Redwoods

Morgan Solem, College of the Redwoods

Montel VanderHorck, College of the Redwoods

Gussie Solem, College of the Redwoods

Dave Gonzales, SHN

Marcus Leemann, BT Metals

Brett Roslosnik, Fortuna High School

John Barber, O&M Industries

Robert Whipple, O&M Industries

Chris Albright, O&M Industries

Jack Sheppard, Humboldt County Office of Education

William (Bill) Row, Humboldt County Office of Education

Approval of previous minutes

- Brett Roslosnik moved to approve

- Jack Sheppard seconded

Overview of welding program from Kyle Shamp

- This was Kyle's first year here
- CR offered 3 additional WT-53 intro classes and they were full
- Fab lab offered- now an actual class, ran like a shop
- Great enrollment this year, no classes were cancelled
- Fab Lab
 - WT-81 & WT-80 Fab Lab – graded on professionalism, timeliness, 6.5 hour lab
 - Projects include: People mover for the farm, library book drop sign. Currently in the process of building a selfie station big CR letters with the help of Kevin Bradley and SHN will be helping with the cement. The trees in the logo will be real trees planted by the forestry program. Also the Fab lab will be collaborating with the OCC (Outdoor Campus Collaborative), to build the signage around campus.

Industry Partners

- LAEP – Montel Vanderhorck
 - Grant that pays students to learn on the job with industry partners up to 20 hours a week can reimburse up to half their wages
 - Chris Albright
 - Bowdy Dunn, first student to participate in this program, pilot program O&M / Fortuna Iron are the guinea pigs
 - Appreciate that faculty focus, and organization from Montel and Jim Ritter
 - Encourage other industry partners to join internship and value that the students need to complete their programs/certificates at CR
 - Excite the students with the work rather than just having them do grunt work in the internships and job shadow
 - Target last semester students
 - Dave Gonzales
 - Do the students have to interview? Montel responded that yes, they do.
 - Jack Sheppard
 - A skills checklist would be beneficial for students and industry.
 - Brett Roslosnik will send a copy that he has of an older skills checklist from HCOE to the advisory committee in an email afterwards
 - Montel Vanderhorck
 - Expectations need to be clear – have these written down (job description/minimum qualifications)
 - Wrap up last semester and acts as a ramp into employment
 - Kyle Shamp
 - We have many students that are interested in this

AWS Certifications

- Kyle Shamp is a certified inspector
 - We used to test on 3/8th plates, now we test on 1 in plates
 - We had 2 students pass 1 inch plates on vertical up
 - Students had to start with 3/8ths and then transition to 1 inch
 - SHN- any TIG certs?
 - No, only 7018 this semester but we could do that in the future
 - One TIG class – has already filled for Fall 2023
 - We only have 4 machines that can run TIG
 - Kyle describes that there are 3 types of students he has encountered
 - Ones that want to go straight into industry
 - Ones that are welding just for fun, not going to enter industry
 - And artists
 - Kyle plans to beginning of class, ask what kind of student are you and have them focus on what's applicable for them
- Chris Albright
 - How many students are in their last semester, and are in the group that want to go into industry? What students can we tap into?
 - Kyle said that probably about 1/3 of the students
- Kyle Shamp
 - Most of our classes can be intro, Jerry, Ian and I work individually with students and keep them challenged
 - The classes are not pyramid system

Welding Events

- Women in Welding
 - Held twice this semester
 - Weekend long event, 12 women participated
- Welding Club
 - Still getting organized
 - Going to fabricate items and sell around the holidays
- Have classes tour businesses
- AG field day Welding competition
 - 32 high school students participated
 - Participated in MIG, OAC, and stick welding
 - Gave them blue prints, welding symbols and Kyle wants to include these in his classes moving forward.
 - Thank you for the donations!

Curriculum Changes

- The textbook used in CR welding courses is old. Only 10 chapters were used for all of the classes Kyle taught this year. Welding will not be using a textbook moving forward. Shasta made their own book and CR wants to do something similar because the instructors know what is relevant. Resources like Miller open book and Lincoln electric have a lot of information.

- Kyle plans to write a plasma CNC class & robotics 1 unit class. CR has a new plasma CNC. CR has a robot that Kyle plans to take classes to learn how to use.
 - Brett Roslosnik
 - CADD is really important. Students should learn this to learn how to do this to build and measure accurately. 3D modeling is a very useful and important skill.
 - Robert Whipple
 - Welders that understand drafting is incredibly important. Robotics and 3D modeling is a valuable and applicable skill for welders.
 - Chris Albright
 - I highly support the piece of having students learn 3D modeling. That skill is needed in industry, refining the skill would benefit us.
- Future other possible courses – CID, metallurgy, inspections/blueprint reading/welding symbols class

What is CR Welding doing well?

- Brett Roslosnik
 - Enrollment and offering new classes
- Chris Albright
 - Stressed the importance of identifying students that want to go into industry

What does CR need to improve upon?

- Dave Gonzales
 - Updating curriculum. How long will updating that take?
- Kyle Shamp
 - It is going to take me a to update it and then keep it up to date and remain flexible
- Chris Albright
 - Figure out a way to focus on the industry bound students
 - Target finishing students to push into industry
 - Get these students prepared for industry and continue to partner with industry

What should CR stop doing?

- Kyle Shamp
 - I've heard we should stop oxy acetylene, but it is important however we will be scaling it back

What skills should students learn when in the welding program?

- Dave Gonzales
 - Fabrication
- Chris Albright & Robert Whipple
 - Grinding, specifically handrail, finish work
 - Industry safety
- Jack Sheppard
 - Create a checklist for industry

- Brett Roslosnik
 - NCCER has safety modules
- Jack Sheppard
 - Thanks to everyone who helped and attended Trades Day

Mention to adjourn by Jack Sheppard and seconded by Brett Roslosnik.

Meeting adjourned at 7:31pm