

TRF Welding Advisory Committee

6:30-8p Nov 5, 2020

Zoom

Minutes

Review minutes from FY20

1. Curriculum – Competency Based Education (CBE)

- a. Joel is on sabbatical to re-write program to encompass this model; looking to model KCC Industrial Welding program
 - i. Reviewing online and book options for theory
 - ii. Will utilize tests, worksheets, and other methods to determine competency of theory
 - iii. Open lab hours for hands-on work
 - iv. Videos will be used to demonstrate what is required
 - v. Instructor available for all lab hours
- b. Online options consist of: (CLICK ON LINKS TO SEE AVAILABLE CONTENT)
 - i. ToolingU SME U/Linc (pay per student)
 - ii. AWS online (pay 12-month site license, no student limit)
 - iii. Miller Electric Openbook (free) (Joel sent link to GMAW section to all advisory members)
- c. Hard copy options include:
 - i. Hobart Institute of Welding Technology series
 - ii. American Technical Publishers
 - iii. Several other publishers that also follow the AWS S.E.N.S.E. program
- d. Mechatronics example
 - i. Mech Center Manual (included as attachment)
 - ii. Mechatronics weekly schedule (included as attachment)

2. Finish FY20 Students

- a. Due to covid, bringing back in March 2021
 - i. All dependent what higher authorities – Feds, States, System Office – declare; currently looking very positive to have all students being able to come in and complete
- b. Will use these students to iron out issues with CBE

3. Equipment

- a. Due to budget, no equipment dollars this year
- b. Xiris weld camera could be used for creating videos – college could possibly find the \$ (~\$14,000 for full educational set-up) for this if the committee found it important enough (Xiris whitepaper included as attachment)
- c. 360MP machines at Praxair – Too good an opportunity to turn down: Praxair has several almost new 360MP for \$3650

4. CBE example

- a. WELD 1100 Common Course Outline (with changes) and Competencies – let Joel know if this is agreeable
- b. Including as attachment 'GMAW – Basic' unit. There may be small credit changes, but for the most part, current courses are being broken down into fractional credits so students would not have to take a full credit course. If student wants the specific degree, they will still need to take all the required courses. See Mechatronics Program page.

5. Welding Lab

- a. Booth reconfiguration – committee agreed this would be a good move; former and current students could attest to how crowded the north side of the shop was. Shop will still have the same number of booths, just a different configuration.
 - i. Move 3ph booths
 - ii. Removing walls between booths

6. Other – nothing new was brought up

7. Next meeting tentatively scheduled for April 20, 2021, format to be determined.