

**Kalamazoo Valley Community College
Engineering Design & Manufacturing Combined Advisory Committee
Meeting Minutes – April 29, 2016**

Present: Dave Brock, KVCC; Tom Buszek, KVCC; Larry Byers, KM Industrial Machinery; Marvin Gage, Kalamazoo Central High School; Rick Garthe, KVCC; Bill Kring, KVCC; Diane Long, Perrigo; Mike Mehler, Parker Hannifin; Patrick Quigley, KVCC student; Phil Spanjer, Humphrey Products; Dale Steinfeld, Humphrey Products; Bill Wilson, Flowserve.

Guests: LaJoyce Brooks, Dir. Prior Learning & Apprenticeships, KVCC; Derek Panse, KVCC student, Jim Williams, KVCC instructor; Mike Lueer; Pat Stevens; Jeff Dee.

1. Call to Order – The meeting was called to order by Kring at 12:03 pm.

Buszek welcomed everyone and thanked the committee for continued support. Committee input has been critical for getting us to where we are today and where we're heading in the future.

2. Review Machine Tool minutes from December 11, 2015 and Drafting minutes from December 4, 2015. Motion to approve Machine Tool minutes by Wilson, seconded by Steinfeld. Motion approved. Motion to approve Drafting minutes by Spanjer, seconded by Gage. Motion approved.
3. Program update: Kring reported both Fall 2015 and Winter 2016 enrollment looked good. Brock reported DRFT classes 80 to 90% full.
4. Curriculum:

EDMT 140: Kring reported that the metallurgy equipment purchased with CStep grant was intended to provide MACH with full GD&T but as everything came together it's going to benefit both programs. Kring and Garthe have worked with new partner Zeiss for training. Brock added that equipment makes the class more hands-on. Professor from WMU is interested in this class and may start sending students here to take this class.

EDMT 205: Kring reported that this class hasn't run for a number of years but very successful Winter semester. Jim Williams taught the class this semester. Williams reported that it was a great class. Started with 12 students; ended with 11. Originally intended 2 projects but quickly realized another was needed to keep everyone busy. Class made up of a good mix of CAD/CAM students and MACH students. Two field trips for students to see the technology in local industry and to sample the molds they made. Feedback from students was excellent. Will offer again next winter.

EDMT 210 & EDMT 245: Brock reported that phase one of modernizing course content is complete; now on to phase two. Would like to combine these classes into one with the desire to get transfer agreement with WMU. Part of the concern of combining the class is textbooks. Brock also showed project students completed in 245 where they utilized new rapid prototype. The clock they made used magnets instead of traditional gears. Kept great time; even used it when classroom clock broke.

EDMT 230: Kring reported that the class length is very long and he thinks it may need to be broken up into two separate classes (beginning and advanced). Requested committee feedback. Discussion on multi-axis machines followed. Also discussed whether or not to make the advanced class optional or required. Another class may need to be removed to keep program credit hours at 62. Discussion tabled. Send any additional ideas and feedback to Kring.

EDMT 270: Kring shared that this is the Capstone course for both programs. Brock reported on the project the class produced. Students submitted ideas for project and then the class voted. Many students liked this project because it would help future students. By end of the semester instructors reported that giving directions to students felt more like supervisor giving employees work. They felt confident that the students could do what needed to be done with little instruction. Student were so enthusiastic they worked on their own time (weekends and over Spring Break!!) when needed. Quigley and Panse (students in class) reported that they learned a lot and had “a blast” in the process. They shared that it felt like they were on the job rather than in the classroom. Quigley stated “It was the best class at Valley I’ve ever taken by being so involved and seeing how both industries work together.” Instead of purchasing some of the parts the student made the parts (timing belt pulley). Kring and Brock commented that the projects aren’t free and in order to keep doing these types of projects the program budget needs to be increased. Budget hasn’t been adjusted in many years.

5. Capital equipment

Kring Brock reported on recent capital purchases. Kring said the hardest part was getting all the equipment purchased up and running for the Fall semester. The problem now is that the lab is running out of space and when classes overlap it takes a very coordinated effort on the part of all faculty to keep lab running smoothly for students. Nightly meetings to discuss the next day have been critical. Received approval to move metallurgy equipment from room 5790 to 5770 which will provide more room for students. WMU’s interest is peaked by the new equipment. There’s been talk of running some of their classes on KVCC campus. Still a need for mounting presses, and cutoff saws for modernization. Kring asked that if anyone has fixturing to donate to please email him.

6. Old business: Kring asked for comments on latest program implementations. Williams pleased with the mixture of DRFT and MACH student he had and how important is to try to get the same mix in the future.
7. New business: Kring offered thanks to EIMO-Vicksburg for equipment. Looking forward to building this relationship. Brock stated that he could recommend quite a few of the EDMT 270 students for employment if anyone is hiring. Williams shared that Vicksburg High School now has waiting list for EFE program. Kring stated that Van Buren and Allegan also have increased enrollments. Encouraging for KVCC future enrollment.

Meeting adjourned 1:00 pm.