

COMPUTER AIDED MANUFACTURING ADVISORY COUNCIL

Meeting Notes

WebEx Meeting, 1:30pm,10-06-20



ATTENDEES:

- | | | | |
|-------------------------------------|--------------------|-------------------------------------|-----------------------------|
| <input checked="" type="checkbox"/> | Tammy Burke, Chair | <input checked="" type="checkbox"/> | Cody Smith (Dustin with HR) |
| <input type="checkbox"/> | Matt Barker | <input checked="" type="checkbox"/> | Jim Weber |
| <input type="checkbox"/> | Graham Francis | <input type="checkbox"/> | |
| <input type="checkbox"/> | Glen Harrison | <input checked="" type="checkbox"/> | Sandy Bauman |
| <input checked="" type="checkbox"/> | Bruce Howard | <input checked="" type="checkbox"/> | Bridget Guerin |
| <input type="checkbox"/> | Ken Johnson | <input type="checkbox"/> | Ryan Loomis |
| <input type="checkbox"/> | Tom Lund | <input checked="" type="checkbox"/> | John McLaughlin |
| <input checked="" type="checkbox"/> | Dustin Nelson | <input checked="" type="checkbox"/> | Pual Nicholson |
| <input type="checkbox"/> | Dale Poling | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> | Jasmine Rusnell | <input type="checkbox"/> | |
| <input type="checkbox"/> | | <input type="checkbox"/> | |
| <input type="checkbox"/> | | <input type="checkbox"/> | |

1. Curriculum and Instruction

- Identify and expand the use of new technologies.
 - DDSN135 Solidworks has replaced MCH120 Blueprint Reading
 - Blueprint reading is being integrated into other classes throughout the year.
 - MCH 240 Metallurgy has been moved to first semester and DDSN Solidworks is second semester.
 - Solidworks and Mastercam are being integrated.
- Compare content with occupational competencies and tasks.
 - First Year students are required to obtain 6 NC3 certifications in precision measurement.
 - Second Year students are required to obtain both FANUC and HAAS operations certification.
 - Class projects are updated for relevancy. Students will make some of their own tooling, which they will be using to complete additional class projects. The learning outcomes have remained the same.

2. Program Review

- Assess, recommend, and/or provide equipment and facilities.

- 3 new manual lathes are in the first year program.
- A new HAAS ST-20Y turning center with live tooling will replace the old HAAS SL-20 turning center this year.
- Committee suggested more practice with the 5th Axis and ST-35
- Assist in short and long-term planning for program improvement.
 - 2019 to 2020 Enrollment decreased:
 - Fall 2019: 10 first year students, 16 second year students
 - Fall 2020: 6 first year students, 8 second year students
 - Covid-19?
 - 2020-2021 Students – Face-to-Face Instruction with Covid-19 safety precautions (face masks, 6' distancing, and sanitization)
 - John's 14th year teaching and this is his best class ever; they learn fast and are ahead of schedule.
 - Paul's class is doing really well; they are accomplishing more and are working at a faster pace.
 - Night machine program is no longer offered
 - Participate in long-term planning.
 - Is there a way to advertise our program statewide?
 - Contact Paddy Fleming – MMEC - Montana Manufacturing Center
 - pfleming@montana.edu
 - 406-249-9178
 - HC is partnering with Job Service
 - There are currently 1100 people without any college experience who are in need of jobs.
 - Curriculum review is in process for second year
 - Curriculum changes are implemented for the first year.

3. Recruitment and Job Placement

- Notify instructors of entry-level job openings for students.
 - Employers are encouraged to contact the Helena College instructors to schedule meetings with students and or student groups regarding job opportunities. Department instructors will organize these events. Virtual Presentations were discussed; a good option during Covid-19 times.
 - Employers are encouraged to provide or obtain cooperative work experiences, internships/externships, work/study or work-based learning opportunities for students.

4. Student Organizations

- FMOA?
- Suggestions on how to get student involvement.

- Have the HC students meet with the high school students.
- HC should consider taking place in the college level HAAS sponsored Skills USA Competition.
 - The competition has a post secondary component with two competitions: state and national.
 - 3 areas of CNC to compete in: metal, lathe, and tech combo
 - HC could host against Flathead in the spring.

5. Staff Development

- Review professional development plans.
 - First year instructor, John McLaughlin, has obtained Snap-on precision measuring certification
 - Second year instructor, Paul Nicholson, has obtained FANUC instructor certification.

6. Resources

- Provide tours and field trips, job shadowing experiences and speakers.
 - 2020-2021 school year there will not be any field trips due to Covid-19.
 - Boeing field trip for all students
 - Kalispell area for all students
 - HC usually hosts two Manufacturing Nights, but due to Covid-19 they have been cancelled.
 - The Virtual Presentations and Guest Speakers are still welcome on campus; plans will be made around Covid-19 restrictions and safety guidelines.