

Owens Community College

CAD Technology Advisory Meeting

Date: November 13, 2015

Location: Industrial & Engineering Technologies Building, Room 130

Industrial Attendees: Paul Buskey, John Colley, Lorrie Hedges, Wes Linenkugel, David Rizo

Students: Kaylee Egts

Owens Attendees: Alan Bethea, Terry Katschke, Jacey Parks, Duane Shaffer,

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	<ul style="list-style-type: none"> ▪ The meeting was called to order by Chairman Wes Linenkugel at 8:10 a.m. and introductions were made. ▪ Minutes were distributed and reviewed. 	<ul style="list-style-type: none"> ▪ Advisory members are very important to the success of our programs and those in attendance were thanked for their participation and input. ▪ Minutes were approved and can be found on the Owens web site.
Enrollment and Retention Report	<ul style="list-style-type: none"> ▪ There are currently 94 students enrolled in the 11 CAD sections running in Toledo and 39 students enrolled in the 5 CAD sections running in Findlay this semester. Some of these students could be taking multiple classes and some are enrolled in other programs. ▪ The enrollment report shows that 45 students have declared CAD as their major. This is down 17 students from last year or a 27.4% decrease. 	<ul style="list-style-type: none"> ▪ Program Chairman Terry Katschke reported he has been invited to visit a number of high schools this year. He believes that Owens representatives spending time in the high schools and having direct contact with students has helped. It is hoped that improved enrollment will be a result of these visits. ▪ John Colley and Lorrie Hedges volunteered to go on high school visits, if needed.
Faculty Report	<ul style="list-style-type: none"> ▪ Duane Shaffer reported that the overall program enrollment in Findlay is very low; although, the quality of student is better. ▪ Alan Bethea also reported that enrollment numbers are low. There are some very good students in AutoCAD, Solidworks, Catia, and NX. He fears that the numbers will be too low for Advanced NX to run in the spring. At this point, there is only one enrollee in the Advanced Catia class and 8 enrolled in the Friday Catia class for spring. He is looking forward to teaching Spaceclaim as there are 30 interested students for that class. 	<ul style="list-style-type: none"> ▪ Duane Shaffer expressed hope that the College will put some effort into recruiting students for the Findlay Campus. The Findlay area is having a tremendous amount of growth and the College should be taking advantage of that. ▪ Information sheets are being created for each program. The department will be mailing these to area companies in an effort to inform them what is available at Owens.
Student Report	<ul style="list-style-type: none"> ▪ Student Kaylee Egts said she is glad there is significantly more hands-on in the courses than she expected. She loves that she is able to choose the classes she can take and that there are many options to choose from. 	<ul style="list-style-type: none"> ▪ Advisory members felt that hands-on is the “hook” for getting students interested in the program. Employers look for employees that are motivated and excited about their work.
Outcomes Assessment Report	<ul style="list-style-type: none"> ▪ Advisory committee input helped Terry Katschke write the yearly outcomes assessment report that is reviewed by the Student Learning Assessment Committee (SLAC). Written feedback is very important and will help strengthen the program. 	<ul style="list-style-type: none"> ▪ Advisory members were asked to review the rubrics for each course and then complete and return the evaluation and recommendation forms given to them as soon as possible.

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<p>Outcomes Competency Validation</p>	<ul style="list-style-type: none"> ▪ Outcomes competency validation is continually reviewed for relevancy. 	
<p>Program and Curriculum Enhancements</p>	<ul style="list-style-type: none"> • A number of changes were made to the program. In order to put Spaceclaim in the curriculum, something had to be removed. • Board Drafting and Intro to AutoCAD will be blended into one course. • The State has reduced both the Math and Physics requirements to three credit hours. • Students learn about screws, grinding, drill presses, CNC mills and lathes, measuring basics, tools and equipment in the CAM 160 and CAM 161 Machining I and II classes that are included in the curriculum. • Program electives were added to the curriculum which include: CAD 215 Advanced 3D Modeling - CAD 2A (Advanced Solidworks); CAD 281 Advanced 3D Modeling – CAD 2B (Advanced Catia); CAD 291 Field Experience; CAM 122 CNC Mill Applications; and CAM 124 CNC Lathe Applications. • Bringing the program back to a mechanical focus will help the students who want to go on to a four-year program. • Students can participate in co-ops if they are available. Owens received a grant and has a person that works with employers and students on internships. 	<ul style="list-style-type: none"> • CAD 125 Production Drawing is now CAD 117 Intro to Board and CAD Drafting • CAD 115 Intro to AutoCAD is being replaced with CAD 132 CAD Drafting and Design. • CAD 130 3D Modeling for Manufacturing is the new Spaceclaim class. • MTH 151 and MTH 152 were both two credit hour classes that have been condensed into one three credit hour class called MTH 143. • PHY 151 and PHY 152 were both two credit hour classes that have been combined into one three credit hour class called PHY 143. • CAD 144 was moved to the second semester. • CAD 210 will be the first level Solidworks class. • CAD 230 Industrial CAD I will be reviewed for changes. Duane Shaffer would like to make it more mechanical based instead of architectural. • The CAD 280 Introduction to 3D Modeling – CAD 1B (Catia) course name was changed. • Advisory members present felt that the changes made were excellent. • Course scheduling will be reviewed to make sure courses are being offered at the right time for students to work their way through the program in a more timely fashion.
<p>Equipment, Facilities, and Staffing</p>	<ul style="list-style-type: none"> ▪ Terry Katschke submitted a Perkins Grant request for updated computers. He is not sure whether or not it will actually happen. ▪ There is a hold on hiring any full-time faculty at this time. ▪ Duane Shaffer stated there is a lighting issue in the CAD lab on the Findlay Campus. Lights near the screen for the overhead projector make it hard for students to see what is being projected. 	<ul style="list-style-type: none"> ▪ Advisory members interested in teaching, or knowing of anyone who would be interested in teaching as an adjunct, should let Terry Katschke know. ▪ Duane Shaffer will put in a maintenance request to see if the lighting issue can be corrected.
<p>Accreditation Status</p>	<ul style="list-style-type: none"> ▪ ATMAE was here last spring to review 11 programs. Evaluators felt the School of STEM needed to do a better job of surveying employers and graduates. 	<ul style="list-style-type: none"> ▪ All programs received a full six year accreditation with a two year report.

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Other	<ul style="list-style-type: none">▪ Advisory members were thanked for their time and commitment to the program.▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman and Richard Barkhimer is Secretary.▪ The meeting adjourned at 10:05 a.m.	<ul style="list-style-type: none">▪ Jacey Parks, Lead Advisor for the School of STEM, reported that she and the other three advisors made classroom visits to inform students of their availability and services. She is seeing more students coming in which leads to fewer issues to clear up.
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