Owens Community College

CAD Technology Advisory Meeting
Date: October 25, 2012
Location: Honey Diner, Walbridge, OH
Industrial Attendees: Joe Brown, John Colley, Lorrie Hedges, Wes Linenkugel, Brian Walker
Students: Wade Abbott and William Scharer
Owens Attendees: Bill Antoszewski, Alan Bethea, Eric Duling, Sharon Johnson, Stan Paige, Glenn Rettig, Renay Scott, Kristen Rothfeld, Ralph Semrock, Randy Wharton

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	- Meeting was called to order by Chairman Wes Linenkugel at 8:10 a.m. and introductions were made. - Minutes were distributed and reviewed. - Bill Antoszewski is the new Chair for Design Technologies. He has been an Architectural adjunct faculty member for the last 22 years.	Minutes were approved.
Enrollment and Retention Report	- Overall, enrollment numbers are good. The CAD program is the biggest program in the Design Department. - Owens enrollment as a whole is down 1%. - School of Technology enrollment is down 3%.	
Faculty Report	- Ralph Semrock is teaching the first course in Key Creator. He has good students and that promises to be good for the second course. Ralph will be retiring June 1, 2013. - Alan Bethea is teaching Intro to CAD with AutoCAD, Intro to Solidworks, Catia and Unigraphics NX. Next spring he will be doing the Advanced Solidworks and Advanced Catia classes. He commented that it is a struggle getting students to digest so many CAD programs, but they are hanging in there and doing well. - Eric Duling is teaching Intro to CAD, Key Creator, Solidworks and Intro to 3D. Everything is going fine. Students are pretty good.	
Student Report	- Student Wade Abbott stated that Solidworks is a good program and Alan Bethea is an excellent instructor. It's all about getting time to work on it. - Student William Scharer is impressed with all his classes. The instructors are all really good.	Student William Scharer believes it would be useful to students to have a way to test out of CAD software courses. He would have like to test out of Solidworks because he has had four years of previous experience with it.
Outcomes Assessment Report	- Last year's outcomes assessment report has been completed for the program and is available for review. - Next year's report will be more comprehensive as a lot of time and effort has gone into updating the syllabi and program, course, and student outcomes.	The Design Department is working on program flyers that contain the program courses, outcomes, and salaries in an effort to make the outcomes more visible to students and the community.

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Outcomes Competency Validation	▪ A handout was distributed listing the Student learning, Course, and Program Outcomes.	▪ Anyone having comments, additions or corrections should let Bill Antoszewski know.
Program and Curriculum Enhancements	• It has been decided to retitle CAD courses to reflect the software being taught; i.e., Unigraphics, Solidworks, AutoCAD, Catia, Key Creator. • CAD students are currently taking EET 220 that is an Electronics CAD course trying to serve two populations – CAD and Electronics. EET 220 will be kept for the Electronics students and Industrial CAD II will be brought back for the CAD students. The lead faculty member will determine the topics to be covered. The software that will be utilized is to be determined. • Currently CAD students are required to take CIV 110 Construction Materials I that is primarily architectural construction. CIV 111 Construction Materials II is more horizontal construction. Too much was being crammed into 110 with redundancy in 111. Both classes were combined and then spread out over one year. Bill Antoszewski asked input on whether CAD students should be required to take both classes or neither one. • School of Technology students take EET 130 Computer Diagnosis for the State's computer competency requirement. Faculty have been unhappy that the students are not getting the basic Word, Excel, and PowerPoint needed in this course. • High school students can get credit for previous course experience through transfer credit, the postsecondary option, or dual enrollment. Financially, dual enrollment is best, because both the high school and college get credit as well as the student. • Lorrie Hedges stressed the importance of keeping manual drafting in the curriculum.	• Advisory members felt changing the course titles to reflect the software being taught was a good idea. • Replacing EET 220 with CAD 250 Industrial CAD II has been submitted to the Curriculum Committee for approval. • Advisory members thought giving the students more material knowledge would be great. • It was suggested to include Product Lifecycle Management (PLM) into the program. The new release of Catia is PLM focused. Solidworks and Unigraphics is moving in that direction as well. • An industry survey will be conducted in the spring to see what software local businesses are using. Employers can also be asked if they use manual drafting. • For those companies that need a software program the CAD program is not teaching, Workforce and Community Services can put together non-credit training. • Consideration is being given to developing a 3 credit hour course called Engineering Problem-Solving course using Word, Excel and PowerPoint in place of EET 130. • Bill Antoszewski sees the CAD program being the greatest potential for the Dual Enrollment opportunity. The Department will be working with Penta on details. • CAD 125 Manual Drafting will be changed back to being a co-requisite of CAD 115 Intro to AutoCAD.
Equipment, Facilities, and Staffing	▪ No staffing, equipment or facility issues to report. ▪ Alan Bethea and adjunct faculty member Kevin Mason are working on a community based education program through Workforce and Community Services at Arrowhead Park. Intro to CAD would be offered in a compressed 8-week format meeting one time a week in the classroom and one other night on-line using a program like Collaborate or Go to My Training.	▪ Testing of the special compressed Intro to CAD course at Arrowhead Park will be done in the spring of 2013. This could potentially lead to offering the entire course on-line.

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	Admission to the course would be selective and geared toward computer savvy professionals.	
Accreditation Status	▪ Most of the School of Technology programs are accredited by the Association of Technology, Management and Applied Engineering or ATMAE through 2015.	▪ Student collections will be gathered during the fall of 2013 and spring of 2014 for the spring 2015 visit.
Other	▪ Advisory members were thanked for time and commitment to the committee. ▪ The meeting adjourned at 9:40 a.m.	▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman and Richard Barkhimer is Secretary.