

# Owens Community College

## CAD Technology Advisory Meeting

Date: October 25, 2007

Location: Café Marie, Perrysburg, Ohio

Industrial Attendees: Wes Linenkugel, Eric Messer, Patricia Torkelson, Brian Walker

Students: Daniel Cook

Owens Attendees: Alan Bethea, Ralph Semrock, Randy Wharton; Advisor-Cheryl Garlow

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	<ul style="list-style-type: none"> <li>▪ Meeting was called to order by Chair Wes Linenkugel at 7:50 a.m. and introductions were made.</li> <li>▪ Minutes were distributed and reviewed.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Minutes were approved by all present and will be placed on the department web site at: <a href="http://occeng.org">http://occeng.org</a></li> </ul>
Enrollment and Retention Report	<ul style="list-style-type: none"> <li>▪ Program enrollment on the Toledo Campus is 67 students, an increase of 19 students when compared to last spring.</li> <li>▪ Findlay Campus program enrollment is 26 students, the same as last spring.</li> <li>▪ No students are enrolled in the certificate program on either campus.</li> <li>▪ Randy Wharton stated that it appears that removing the prerequisites from CAD 115 has helped enrollments.</li> </ul>	<ul style="list-style-type: none"> <li>▪ There is a need to reiterate to students the importance of an associate degree, especially to those completing the certificate and finding employment.</li> </ul>
Faculty Report	<ul style="list-style-type: none"> <li>▪ Alan Bethea reported that he is still running Solid Works in the Intro to CAD and Construction Drafting classes. He has also been working with the grants writer in investigating the feasibility of virtual reality training. An advisory committee consisting of representatives from Owens, local and federal government, medicine, and education is being formed.</li> <li>▪ Ralph Semrock distributed a copy of the survey results to members present. These results validate what is currently being done in the program as far as software, etc. Companies are using different software, but once the student learns CAD, they should do okay with other programs.</li> <li>▪ The Mechanical Advisory Committee discussed the inclusion of FEA using COSMOS and decided there was no room for it in the curriculum, but it would be used for demonstration purposes.</li> <li>▪ Ralph reported that with the new prototyper, students are able to model what they are drawing.</li> </ul>	<ul style="list-style-type: none"> <li>▪ COSMOS could be added to the CAD curriculum as an optional course, but there would need to be at least 6 students interested in taking it in order for the class to run. It was decided that COSMOS is not realistic for two-year students.</li> <li>▪ Companies interested in specialized training for their employees in a specific program, should contact Randy and he will be happy to work with them in setting something up.</li> <li>▪ Randy Wharton will have Ron Fasca contact Eric Messer regarding training in COSMOS Works.</li> <li>▪ Survey results indicate there are a number of companies interested in providing field experiences.</li> </ul>
Student Report	<ul style="list-style-type: none"> <li>▪ Student Daniel Cook stated that the program is better now than it was a number of years ago. Solid Works is much more efficient than Mechanical Desktop.</li> </ul>	

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Outcomes Assessment Report	<ul style="list-style-type: none"><li>▪ The CAD Technology Outcomes Assessment Report for Calendar Year 2006 was distributed to advisory members.</li><li>▪ Competencies are measured by rubrics. Each instructor subjectively completes a form on the students' performance. College reps have reviewed these reports and are pleased with the process.</li></ul>	<ul style="list-style-type: none"><li>▪ Randy Wharton will work on data for documenting activities for the next report.</li><li>▪ The 2006 report can be found on the Design Department web site at: <a href="http://occeng.org">http://occeng.org</a></li></ul>
Outcomes Competency Validation	<ul style="list-style-type: none"><li>▪ Outcomes competencies were modified in order to more accurately reflect the content of the program.</li></ul>	
Program and Curriculum Enhancements	<ul style="list-style-type: none"><li>• Changes have been made to all School of Technology programs to allow synergy across all disciplines. This will eliminate course duplications and help insure that courses will run.</li><li>• The School of Technology is also reducing the number of credits required for graduation in its programs in an effort to make them more marketable and affordable.</li></ul>	<ul style="list-style-type: none"><li>▪ The CAD Technology program was already streamlined with other programs, so the credit hours were not reduced any further.</li><li>▪ MTH 110 Intro to College Algebra/Trig was replaced with MTH 128 College Algebra.</li><li>▪ Physical Science for Technology remains in the program is now required for all SOT programs.</li><li>▪ The Technology in Society course was changed to 2 credit hours to include the topics needed for the First Year Experience.</li></ul>
Equipment, Facilities, and Staffing	<ul style="list-style-type: none"><li>▪ Nothing new other than the prototype machine.</li></ul>	<ul style="list-style-type: none"><li>▪ The next meeting will be held at Owens so advisory members can see the new prototype machine and a number of parts/models.</li></ul>
Accreditation Status	<ul style="list-style-type: none"><li>▪ Nothing to report.</li></ul>	
Other	<ul style="list-style-type: none"><li>▪ The meeting adjourned at 9:20 a.m.</li></ul>	<ul style="list-style-type: none"><li>▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman.and Richard Barkhimer is Secretary.</li></ul>