Owens Community College

CAD Technology Advisory Meeting
Date: March 16, 2010
Location: Café Marie, Perrysburg, Ohio
Industrial Attendees: Lorrie Armstrong, Joe Brown, John Colley, Frank Keller, Brian Walker
Students: Michael Molnar and Chad Phillips
Owens Attendees: Alan Bethea, Eric Duling, Ralph Semrock, Randy Wharton

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	- Meeting was called to order by Randy Wharton at 7:40 a.m. and introductions were made. - Minutes were distributed and reviewed.	Minutes were approved by all present and will be placed on the department web site at: http://occeng.org
Enrollment and Retention Report	- Program enrollment on the Toledo Campus is 56 students, a decrease of 8 students when compared to last spring. - Findlay Campus program enrollment is 17 students, down 9 students from last spring. - There are 5 students in the certificate on the Toledo Campus and 2 in the certificate on the Findlay Campus. - Overall enrollment for the Design Technologies Department is holding steady. - The overall College enrollment is down 5 percent.	- Randy Wharton was not concerned about the drop in students at this time. If enrollment drops again next spring, there may be cause for concern. - Students that are finishing up the Mechanical program can take courses needed at UT then transfer them back to Owens for credit towards their degree.
Faculty Report	- Ralph Semrock commented that this has been an interesting semester. He is teaching the capstone course required in the student's last semester and the students are doing really well. His CAD 125 Production Drawing class has 12 students registered, but only 6 of them are actually coming to class. Those not attending have not dropped the class, so they will end up with F's. - Alan Bethea reported he has revamped CAD 210 which is a parametric modeling class that uses SolidWorks. For the first half of the semester the students use calipers and micrometers to measure parts of an engine, then they will go on to a standard transmission with gears, etc. The Intro and Advanced Catia classes continue to go very well. In the Intro to CAD class, Alan finds that the first 2-3 weeks is spent going over the basic commands. This summer the students will be working on modeling the inside of a car in SolidWorks with an Audi R8 tutorial being used.	
Student Report	Student Chad Phillips will graduate in May. He is happy that he has learned a lot about a variety of different programs and feels he is prepared for the workplace. His	Student Chad Phillips would like to see the program push more field experiences. The problem with co-ops in this economy is that there

	concern was that he was unable to take the field experience since there are few opportunities for students in the workplace right now. Everyone in the field is looking for experience and he feels it will be difficult for him to prove himself. Chad likes prototyping and solid modeling. ▪ Student Mike Molnar has learned how to use the tools that he will need in the workplace. He is planning to get his certificate first, then work toward his degree. Mike liked the hands-on and being able to work at his own pace.	aren't any available. Most students do not want an internship that does not pay a stipend. ▪ Student Mike Molnar would like to see more projects like working on a motor in SolidWorks. Alan Bethea stated that as the marketplace and technology continues to evolve, the program needs to stay on the cutting edge. The problem being there are only two years to the program, so more information is being crammed into a shorter time.
Outcomes Assessment Report	▪ The Outcomes Assessment Report for 2009 was distributed to members present. Again, all minimum criteria were met for each objective. There was nothing to indicate any deficiencies in the program.	▪ Randy Wharton will place the 2009 Outcomes Assessment Report on the Department website after he changes the typo – the report was actually reviewed March 15th. Members should review the report and get comments or changes to Randy.
Outcomes Competency Validation	▪ The committee also reviewed and approved the program competencies in conjunction with the outcomes assessment report.	
Program and Curriculum Enhancements	• The Basic and Advanced Catia courses have been offered in the past as independent study courses with one copy loaded on Alan's laptop. Catia software has now been loaded on the lab computers. • KeyCreator/CADKey is required in the program. It teaches the same concepts that are used in many other packages. • Eric Duling expressed some concern about continuity from what Alan is teaching to what he is teaching in Findlay. Randy stated that as long as the same objectives are being taught there is not a problem.	▪ The Basic and Advanced Catia courses are being added to the curriculum as technical electives -- CAD 280 and CAD 281, respectively.
Equipment, Facilities, and Staffing	▪ The Toledo prototyper is about to be upgraded. The motherboard and head will be replaced on the current machine which will allow it to produce a prototype with a finer resolution and make it 40% stronger. It will use a different modeling material.	
Accreditation Status	▪ Nothing reported.	
Other	▪ Advisory members reported that the market is tight right now. ▪ Members were thanked for their time and commitment to the program. ▪ The meeting adjourned at 9:10 a.m.	▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman and Richard Barkhimer is Secretary.

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