

Owens Community College

CAD Technology Advisory Meeting

Date: March 20, 2007

Location: Green Bay Packaging, Fremont, Ohio

Industrial Attendees: Richard Barkhimer, Joe Brown, Amy Keenan, Frank Keller, Brian Walker

Students: Jon Colchagoff, David Kerscher

Owens Attendees: Alan Bethea, Ralph Semrock, Randy Wharton

Topic	Discussion/Rationale	Recommendation/Decision/Action
Call to Order and Review of Previous Minutes	<ul style="list-style-type: none"> ▪ Meeting was called to order by Secretary Rick Barkhimer at 7:55 a.m. and introductions were made. ▪ Minutes were distributed and reviewed. ▪ After much discussion, it was determined that students cannot know too much drafting. 	<ul style="list-style-type: none"> ▪ Minutes were approved by all present. ▪ The Design Drafting option of Mechanical Engineering Technology will be left in the catalog for companies that are looking for students with more drafting skills.
Enrollment and Retention Report	<ul style="list-style-type: none"> ▪ Program enrollment on the Toledo Campus is 50 students, down one student when compared to last spring. ▪ Findlay Campus program enrollment is 25 students, down four students when compared to last spring. ▪ Overall School of Technology enrollments have increased 11.9 percent. ▪ Number of students taking Intro to CAD has tripled this semester, so Randy Wharton is hoping to see a spike in declared majors in the near future. 	
Faculty Report	<ul style="list-style-type: none"> ▪ Alan Bethea reported there is a new textbook on Solid Works by the same author of the current text. He will be introducing parts of that text and some advanced surface modeling that is not part of the textbook. ▪ Alan Bethea is also looking at aspects of Catia to teach. ▪ Alan Bethea will be visiting colleges and universities that train in virtual reality this summer to explore 3D systems. He has been meeting with the Owens grant writer to obtain start-up funds. If feasible, a 2 million dollar NSF grant will be sought. ▪ Ralph Semrock reported that 200 completed surveys were received out of the 3400 mailed out. AutoCAD, Solid Works, CADKEY, Key Creator, Catia and Microstation were on the top of the list. For capabilities, 2D/3D were the most prevalent. There were 15-20 companies that said they would participate in co-ops. 	<ul style="list-style-type: none"> ▪ Ralph Semrock will put together a written summary of the survey results and send it to committee members. ▪ The survey results validated what is being done right now in the program as far as software, etc.
Student Report	<ul style="list-style-type: none"> ▪ Student Jon Colchagoff stated he is having a pretty good semester. He is taking CAM, Tool and Die, and GD&T courses. 	

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Outcomes Assessment Report	<ul style="list-style-type: none">▪ The report for the period of January-December 2005 has been completed.▪ The report for 2006 has not been finalized yet. Program Goals and Outcomes, along with a sample assessment sheet were distributed to committee members.	<ul style="list-style-type: none">▪ The 2005 report is on the Department web site at occeng.org▪ The 2006 report will be finalized and brought to the fall meeting.
Outcomes Competency Validation	<ul style="list-style-type: none">▪ Outcomes competencies were modified in order to more accurately reflect the content of the program.	
Program and Curriculum Enhancements	<ul style="list-style-type: none">• All prerequisites were taken off the CAD 115 Introduction to CAD course. Since this was done, enrollment in this course has gone up.• CAD 125 Production Drawing is now a prerequisite for CAD 210 Parametric Modeling.• A CAD Certificate has been created which includes 6 courses: Technology and Society, Introduction to CAD, Production Drawing, Parametric Modeling, 3D Wireframes, and Surface and Solid Modeling.	<ul style="list-style-type: none">▪ After a short discussion, it was decided to drop the CAD 250 Industrial CAD II (electrical drafting) course and include the relevant material into the CAD 230 Industrial CAD I course.▪ The CAD certificate will be listed in the new catalog when it is published.
Equipment, Facilities, and Staffing	<ul style="list-style-type: none">▪ The old prototyper was taken to the Findlay Campus.▪ Randy Wharton reported that he is happy with the new prototyper. It has a tank of sodium hydroxide to dissolve the support material.	<ul style="list-style-type: none">▪ Randy Wharton will bring prototyper parts to the next meeting to show members.
Accreditation Status	<ul style="list-style-type: none">▪ Nothing to report.	
Other	<ul style="list-style-type: none">▪ The meeting adjourned at 9:25 a.m.▪ Brian Walker took interested members on a tour of Green Bay Packaging.	<ul style="list-style-type: none">▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman and Richard Barkhimer is Secretary.