

# Owens Community College

## Advanced Integrated Manufacturing Systems Technology / Computer Aided Machining Advisory Meeting

Date: November 9, 2007

Location: The Toledo Zoo

Industrial Attendees: Bob Bochi, Katie Bush, Scott Opal, Scott Sulewski, Roger Thomas, Ian Ward

Student Attendees: None

Owens Attendees: Todd Gearig, James Gilmore, Peter Johns; Advisors-Joe Carone

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 at 9:30 a.m. by Vice Chair Ian Ward.</li> <li>▪ Introductions were made.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Minutes were reviewed and approved and will be posted on the Owens web site.</li> </ul>
Enrollment and Retention Report	<ul style="list-style-type: none"> <li>▪ Overall there was a 9.3% increase in School of Technology enrollments.</li> <li>▪ AIMS down 4 students to 10</li> <li>▪ CAM Option down 1 student to 1</li> <li>▪ Manufacturing down 6 students to 19</li> <li>▪ Management Option up 11 students to 15</li> <li>▪ CAD/CAM Certificate up 1 student to 7</li> <li>▪ CNC Certificate down 1 to 0</li> <li>▪ Machinist Certificate down 8 students to 14</li> <li>▪ Mechanical Maintenance Option has 2 students</li> <li>▪ A tri-fold brochure on the AIMS program was distributed. More of these will be created for the other programs.</li> <li>▪ Jim Gilmore attended the Whitmer career night on Nov. 8<sup>th</sup> to answer questions on Owens programs.</li> <li>▪ There has been a drop in manufacturing enrollments over the last five years. Industry has to be active in advertising and promoting manufacturing to make it more appealing to students.</li> <li>▪ The pilot “Systems of Engineering and Integrated Systems” class at Central Catholic is doing well. Sophomores are exposed to all the SOT disciplines to give them a better idea of what career path to follow. Other schools are interested in this program.</li> <li>▪ High school students need to be exposed to what their options are – they just aren’t aware of what is out there.</li> </ul>	<ul style="list-style-type: none"> <li>▪ The Machinist Certificate was taken out of the last catalog, but will be recreated and back in the catalog that comes out in January/February 2008.</li> <li>▪ Jim Gilmore continues to work on articulations and post secondary option agreements.</li> <li>▪ It was suggested to invite high school students to a hands-on manufacturing day.</li> <li>▪ The Design Manufacturing seminar sponsored by Haas, FasTech, and MasterCAM was successful. Thought is being given to offering this again in the spring, but for two days and opening it up to high school and college students. It could be made into a manufacturing fair with vendors, speakers, demonstrations, hands-on experiences, etc.</li> <li>▪ Haas conducts demo days twice a year where high school students run the machines and assist the application managers. It was suggested to do this in Toledo.</li> <li>▪ An artistic machining course might generate some interest in manufacturing.</li> </ul>
Faculty Report	<ul style="list-style-type: none"> <li>▪ John Cunningham is on medical leave this semester. He is doing well, but not well enough to return to work. In the meantime, his classes are being covered by adjunct faculty.</li> </ul>	

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	<ul style="list-style-type: none"> <li>▪ This semester there are three mill classes, one lathe class and one intro to MasterCAM v10 class running.</li> </ul>	
Student Report	<ul style="list-style-type: none"> <li>▪ The student representative was unable to attend.</li> </ul>	
Outcomes Assessment Report	<ul style="list-style-type: none"> <li>▪ Nothing to report.</li> </ul>	
Outcomes Competency Validation	<ul style="list-style-type: none"> <li>▪ Nothing to report.</li> </ul>	
Program and Curriculum Enhancements	<ul style="list-style-type: none"> <li>▪ Advanced Manufacturing courses are replacing the skilled trades courses in the welding, quality, and manufacturing programs.</li> </ul>	
Equipment, Facilities, and Staffing	<ul style="list-style-type: none"> <li>▪ There are two new drill presses, a bench grinder and a belt sander in the shop area.</li> <li>▪ Three more drill presses are being purchased with capital equipment funds and two more bench grinders through a grant.</li> <li>▪ Peter Johns reported that the software being used is MasterCAM X<sup>2</sup> MR1. MR2 is available and will be loaded at the end of the semester.</li> </ul>	
Accreditation Status	<ul style="list-style-type: none"> <li>▪ The PREP (Program Review and Evaluation Process) for both Manufacturing Technologies and Advanced Integrated Systems Technologies was shared with the committee. This plan summarizes and justifies everything that is done within the program. What were once 40 page documents have been summarized and condensed down to one page each.</li> <li>▪ NAIT accreditation was just approved for two more years.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advisory Members should review reports and contact Jim Gilmore with any comments, questions or suggestions.</li> <li>▪ The program continues to maintain NAIT and HLC accreditation.</li> </ul>
Other	<ul style="list-style-type: none"> <li>▪ Jim Gilmore would like to get very simple dimension prints from industry to use as projects in the machining courses.</li> <li>▪ Meeting adjourned at 10:40 a.m.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chair-Doug Struble; Vice Chair-Ian Ward; Secretary-Debra Heban</li> </ul>