

# Owens Community College

## Combined Advanced Integrated Manufacturing Systems Technology and Manufacturing Technology Advisory Meeting

Date: February 17, 2006

Location: The Toledo Zoo

Industrial Attendees: Bob Bochi, Debra Heban, Paul Kortier, Scott Sulewski, Roger Thomas, Ian Ward,

Student Attendees: None

Owens Attendees: James L. Gilmore, Nerur Satish, William Shepherd, Randy Wharton; Advisor-Stan Paige

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 8:25 a.m. by Vice Chairman Ian Ward in Chairman Doug Struble's absence.</li> <li>▪ Introductions were made.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Minutes were distributed, read and approved by all present</li> <li>▪ Minutes will now be posted on the Owens web site</li> </ul>
Enrollment and Retention Report	<ul style="list-style-type: none"> <li>▪ There are four new students in the AIM program in addition to the 9 that were enrolled last fall.</li> <li>▪ There are three AIM classes running this spring semester</li> <li>▪ The drop in CAM enrollment and graduates is the reason for making CAM a career path of the AIM program.</li> <li>▪ Manufacturing's image may be another reason for the decline. Students need to be encouraged to get back into this field.</li> <li>▪ Most members present felt the manufacturing industry was coming out of its slump.</li> <li>▪ How to get more women involved in the engineering programs was discussed. The Society of Women in Engineering has a website with pertinent information.</li> </ul>	<ul style="list-style-type: none"> <li>▪ More AIM sections will be offered for the upcoming fall semester which will include second and third semester courses.</li> <li>▪ Presentations need to be given to students at the 7th-8<sup>th</sup> grade level. By the time they are in high school its almost too late to get the academics needed.</li> <li>▪ Informing students of avenues that can be taken after becoming an engineer could be an enticement.</li> </ul>
Faculty Report	<ul style="list-style-type: none"> <li>▪ John reported that MasterCAM 9.1 is currently being used in the lab. It usually takes a year to get all the glitches out of a new software program, so MasterCAM X is still being investigated.</li> <li>▪ Bill Shepherd reported that the PLC5's were upgraded to SLIC 500's. Needs for fall semester have been identified. He felt everything has gone well even though space is tight.</li> </ul>	<ul style="list-style-type: none"> <li>▪ The labs will switch over to MasterCAM X when more of the population starts using it and glitches are fixed.</li> </ul>
Student Report	<ul style="list-style-type: none"> <li>▪ Student invited could not make the meeting.</li> </ul>	<ul style="list-style-type: none"> <li>▪ With the CAM being combined with AIM, more students will be invited to attend meetings.</li> </ul>

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Outcomes Assessment Report	<ul style="list-style-type: none"> <li>▪ It was mentioned in brief that Outcomes Assessment is in the process of being revised in order to streamline the process.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Working towards streamlining the Outcomes Assessment Process in the Program.</li> </ul>
Outcomes Competency Validation	<ul style="list-style-type: none"> <li>▪ Outcomes Competencies have been modified in order to more accurately reflect the content of the program.</li> </ul>	<ul style="list-style-type: none"> <li>▪ The Committee will discuss and verify the competencies at the next meeting.</li> </ul>
Program and Curriculum Enhancements	<ul style="list-style-type: none"> <li>▪ The grant received to run the AIM program will end this year. Jim will ask for an extension.</li> <li>▪ Anyone needing a syllabus or any other information on courses should let Jim know and he will get it to you.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Curriculum Committee approved making CAM a career path of the AIM program. All areas are also available as certificates.</li> <li>▪ Five 1-credit hour modules need to be developed this year.</li> </ul>
Equipment, Facilities, and Staffing	<ul style="list-style-type: none"> <li>▪ See items under Faculty Report.</li> <li>▪ The lighting in the Welding lab is inadequate and the available portable lighting doesn't work very well. There are no specific plans to update the lighting in the Welding lab at this point, but alternative lighting will be investigated.</li> <li>▪ Randy Wharton informed the committee about the School of Technology's new rapid prototyper purchased with capital funding. It makes some very nice models out of plastic material. Everyone was invited to stop by to see it.</li> </ul>	<ul style="list-style-type: none"> <li>▪ CAM program also cramped for space, so room IET 156 will now be used as additional lab space. CDT has some machining equipment and space, so that is being considered as well.</li> <li>▪ The possible purchase of Penta is being investigated which would alleviate the space crunch and lighting problem, but that would not be until 2009.</li> <li>▪ Let Jim know about any real-life applications that can be produced on the lab equipment.</li> </ul>
Accreditation Status	<ul style="list-style-type: none"> <li>• Not discussed</li> </ul>	<ul style="list-style-type: none"> <li>▪</li> </ul>
Other	<ul style="list-style-type: none"> <li>▪ Jim is participating in the Great Lakes Manufacturing Forum which is a partnering program sponsored by Michigan, Ohio, Indiana, Illinois, Kentucky and Canada. The first meeting was last year and much of the same things talked about today was discussed. The Canadian Technical Education Summit evolved from this Forum.</li> <li>▪ Meeting adjourned at 9:50 a.m. Jim encouraged members to invite others to these meetings. Give Jim name and phone number and he will contact them.</li> </ul>	<ul style="list-style-type: none"> <li>▪ The next Great Lakes Manufacturing Forum will be in March at the Federal Reserve Bank in Chicago. If anyone is interested, contact Jim for more information.</li> </ul>