

Owens Community College

CAD Technology Advisory Meeting

Date: November 7, 2013

Location: Honey Diner, Walbridge, OH

Industrial Attendees: Joe Brown, Scott Chapman, Linda Gulvas, Eric Messer, David Rizo, Brian Walker

Students: None

Owens Attendees: Bill Antoszewski, Alan Bethea, Denise Brehmer, Jacey Parks, Kristen Rothfeld, Renay Scott, Duane Shaffer, Randy Wharton

| Topic | Discussion/Rationale | Recommendation/Decision/Action |
|--|--|---|
| Call to Order and Review of Previous Minutes | <ul style="list-style-type: none"> ▪ The meeting was called to order by Vice Chairman Eric Messer at 8:00 a.m. and introductions were made. ▪ Minutes were distributed and reviewed. | <ul style="list-style-type: none"> ▪ Minutes were approved and can be found on the Owens website . |
| Enrollment and Retention Report | <ul style="list-style-type: none"> ▪ The CAD program enrollment is down 25 declared majors or 19.5% when compared to fall 2012 (128 to 103 students). ▪ High School students have an opportunity for dual enrollment. They are able to take and get credit for college courses at the high school. | <ul style="list-style-type: none"> ▪ Penta’s students come to Owens being very close to a certificate. An Admissions Representative spends one day a week at Penta to meet with students who have questions. |
| Faculty Report | <ul style="list-style-type: none"> ▪ Alan Bethea reported that he is teaching an Intro to CAD course this semester. For the first time, he has an abundance of interior design students. Most of the labs are mechanical based, so he is switching them over to architectural based drawings. SolidWorks is still running strong. Eleven of the twelve students who are taking it are already enrolled in the Advanced SolidWorks being offered in the spring. He is also teaching CATIA this semester. There has been a monumental shift where CATIA is going to cloud-based. Students will be able to collaborate with students anywhere. This is the second year for the NX class that is using version 8.5 -- version 9 was just released. SolidWorks and Advanced Solidworks are being run whenever students request them. ▪ Duane Shaffer reported that there is not much different at the Findlay Campus. Everything is going fine. There is a smaller student base in Findlay, so some offerings had to be cancelled due to low enrollment. Intro to CAD is going well – he started with 12 and now has 6-7 that are active. An adjunct is teaching SolidWorks and it seems to be going well. The AIM area supporting courses seem to be holding together pretty good. Duane is trying to come up with ways to keep the students interested, which is difficult when you are introducing new software packages and manual drafting in the same course. | <ul style="list-style-type: none"> ▪ Alan Bethea apologized for the two students who were supposed to attend this meeting, but didn’t show up. ▪ Alan Bethea also informed the committee that ratemyprofessor.com lists the top 25 two-year colleges in America and Owens came out at number nine last year. What an “At-A-Boy” for Owens. ▪ Duane Shaffer is using Industrial CAD I and II as capstone courses where students are given a model to detail out. They need to know the materials and where to buy the parts. ▪ Advisory members still believe that manual drafting is important. |

Owens Community College

CAD Technology Advisory Meeting

| | | |
|-------------------------------------|---|--|
| Student Report | <ul style="list-style-type: none"> ▪ The students invited were unable to attend. | |
| Outcomes Assessment Report | <ul style="list-style-type: none"> ▪ Outcome assessments use objective and subjective measures to determine whether a student has met the course's state Student Learning Outcomes (SLOs). An acceptable target for each course is 75% of the students meet the standards. The ideal target for each course is 90% of the students meet standards. | <ul style="list-style-type: none"> ▪ Five of six courses met the program acceptable target and the ideal target. CAD 265 is the only course within the program that did not meet the benchmark of 75% of students "meet standards". There seemed to be some customer dissatisfaction with the KeyCreator software package. |
| Outcomes Competency Validation | <ul style="list-style-type: none"> ▪ Outcomes competency validation is continually reviewed for relevancy. | <ul style="list-style-type: none"> ▪ Anyone having comments, additions or corrections should let Bill Antoszewski know. |
| Program and Curriculum Enhancements | <ul style="list-style-type: none"> • In an effort to get students through school successfully and out into the workplace, the Ohio Board of Regents (OBR) has established a goal of associate degrees requiring approximately 60 -64 credit hours. • A student worker monitored weekly what employers were looking for as far as software packages. Companies looking for employees with KeyCreator were few. As both instructors who taught it have retired, it will now be offered as a technical elective. • The Mechanical Engineering Technology program will be restarted as soon as next fall. There is not much risk in bringing it back as the facilities, equipment, and instructor are already in place. The Design Department will be looking to the CAD advisory committee members for input on the Mechanical Engineering Technology program curriculum. | <ul style="list-style-type: none"> • SQC and Composition II have been dropped from the curriculum. • There was some opposition to dropping the Geometric Dimensioning and Tolerancing (GD&T) course, so it will be retained and offered in the 4th semester. SKT 144 is being re-designated as CAD 144. It will be the same course with the same material. • EET 220 CAD Electronic Drafting was replaced with CAD 250 Industrial CAD II and is geared toward CAD students. • Surface Modeling and Wireframe (KeyCreator) courses were converted into technical electives, giving students flexibility as to what software courses they want to take; i.e., Unigraphics, SolidWorks, Inventor NX, etc. • Advisory members felt that the College needs to do a better job of advertising that these courses are available for continuing education as well as company training purposes. • Advisory members agreed that both the CAD and Mechanical programs are valid and will serve the needs of the student population. |
| Equipment, Facilities, and Staffing | <ul style="list-style-type: none"> ▪ There are now four full-time advisors located in the School of Science, Technology, Engineering and Mathematics (STEM). They are doing a great job in steering students in the right direction. Jacey Parks thanked Alan Bethea for facilitating a boot camp for the advising team. This really helped advisors understand what the student will be facing when they enroll in the CAD program. | <ul style="list-style-type: none"> ▪ The Department will be upgrading to AutoDesk 14 that includes Revit and Civil 3D. ▪ If advisory members have an interest in teaching or know someone that has an interest, let Bill Antoszewski know. |

Owens Community College

CAD Technology Advisory Meeting

| | | |
|----------------------|--|--|
| Accreditation Status | <ul style="list-style-type: none">▪ Most of the School of Technology programs are accredited by the Association of Technology, Management and Applied Engineering or ATMAE through 2015. | <ul style="list-style-type: none">▪ Student collections are being gathered during the fall of 2013 and spring of 2014 for the spring 2015 accreditation visit. |
| Other | <ul style="list-style-type: none">▪ Advisory members were thanked for their time and commitment to the committee.▪ The meeting adjourned at 9:45 a.m. | <ul style="list-style-type: none">▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman and Richard Barkhimer is Secretary. |