

Owens Community College

CAD Technology Advisory Meeting

Date: November 14, 2014

Location: Industrial & Engineering Technologies Building, Room 130

Industrial Attendees: John Colley, Roger Gross, Linda Gulvas, Wes Linenkugel, David Rizo

Students: Roman Fedtov, Shawn Nawrot

Owens Attendees: Alan Bethea, Denise Brehmer, Terry Katschke, Jacey Parks, Tom Perin, Glenn Rettig, Duane Shaffer

| Topic | Discussion/Rationale | Recommendation/Decision/Action |
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| Call to Order and Review of Previous Minutes | <ul style="list-style-type: none">▪ The meeting was called to order by Chairman Wes Linenkugel at 8:45 a.m. and introductions were made.▪ Minutes were distributed and reviewed.▪ Tom Perin, Associate Vice President for Institutional Effectiveness, talked about outcomes. He also explained to the advisory committee the process and implementation of the new student engagement process. | <ul style="list-style-type: none">▪ Minutes were approved and can be found on the Owens web site. |
| Enrollment and Retention Report | <ul style="list-style-type: none">▪ Terry Katschke described enrollment. It was noted that enrollment is down 14% in the CAD program.▪ Sometimes there are CAD students that are non-majors taking classes, so the classes may seem full, but that does not mean they are all CAD program students. Terry Katschke also explained duplicated headcount. | <ul style="list-style-type: none">▪ Tom Perin brought up plans to include other options for enrollment. |
| Faculty Report | <ul style="list-style-type: none">▪ Roger Gross brought up concerns about CAD 115 – the need for better preparation before going into this class is important, especially if there are cultural differences. Most students in Roger’s classes are working during the day and doing well in the night classes.▪ Linda Gulvas asked if there was a good response from getting away from Key Creator or CADKey.▪ David Rizzo asked how we get business demand information regarding software needs in programs. Alan Bethea replied that we receive that information from the advisory committee, looking at want ads, from student/graduates currently on the job, and from Indeed.▪ Wes Linenkugel is also looking for mechanical people. Mechanical is important for the region and typically community college students stay in the area.▪ Tom Perin talked about graduate surveys and how important they are.▪ Duane Shaffer indicated that numbers are down in Findlay. He also stated that we are being asked by businesses to be specific, but well-rounded and that is difficult to do. We | <ul style="list-style-type: none">▪ Catia and Nx will be postponed until next year.▪ Terry Katschke announced that we know have Revit which will be put into the future curriculum.▪ Alan Bethea added that some of these newer courses will likely be added into the curriculum as requirements. He explained that the blending of new courses have been put into motion and should be starting in fall 2014.▪ David Rizo said a two-year degree is sufficient and students were more ready for the workplace than the four-year students who know theory but not the practical side of things. David asked for more emphasis regarding mechanical background – not architectural, and not just CAD.▪ John Colley emphasized production drawing and mentioned that his bachelor degree engineering students do not know CAD because it is not required for them. This could be an opportunity.▪ Duane Shaffer thinks we need to get to the area high schools and get employers involved to improve |

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| | <p>have students who have the software knowledge, but do not know why size, shape, or components will not work together. Students don't understand sizing even though they can design it in CAD.</p> | <p>enrollment. Alan Bethea proposed a "Day in the Life of a Connecting Rod".</p> |
| Student Report | <ul style="list-style-type: none"> ▪ Student Shawn Nawrot wanted a mechanical degree, but had problems at UT. He came to Owens and once he determined a program, he did well. He has good instructors. Shawn would like to see more mechanical in the program, also. ▪ Student Ramon Fedotov also gave kudos to the instructors. He understands that the "hows and "whys" need to be included in the program. It was noted that somewhere someone had to design the item. Ramon is interested in mechanical CAD, especially 3-D printing. | <ul style="list-style-type: none"> ▪ Roger Gross brought up the issue of cutting down on hours needed for labs, maybe lowering student cost. |
| Outcomes Assessment Report | <ul style="list-style-type: none"> ▪ Terry Katschke brought up outcomes and assessment. He described the booklet he handed out. He also went over future expectations of the committee for involvement with this. Terry talked about reducing or refining student outcomes. All 10 outcomes were met in the past year. | <ul style="list-style-type: none"> ▪ Terry Katschke gave homework to the committee regarding the top five items they thought were needed for the CAD degree. |
| Outcomes Competency Validation | <ul style="list-style-type: none"> ▪ Outcomes competency validation is continually reviewed for relevancy. | |
| Program and Curriculum Enhancements | <ul style="list-style-type: none"> • Previously discussed. | |
| Equipment, Facilities, and Staffing | <ul style="list-style-type: none"> ▪ Nothing to report. | |
| Accreditation Status | <ul style="list-style-type: none"> ▪ Terry Katschke updated the committee on the ATMAE accreditation. | <ul style="list-style-type: none"> ▪ Advisory members were informed they may be invited to a meeting in March or April when the visiting team is here. |
| Other | <ul style="list-style-type: none"> ▪ Advisory members were thanked for their time and commitment to the program. ▪ The meeting adjourned at 10:23 a.m. | <ul style="list-style-type: none"> ▪ Wes Linenkugel is Chairman; Eric Messer is Vice Chairman and Richard Barkhimer is Secretary. |