

COMPUTER AIDED DESIGN AND DRAFTING TECHNOLOGY ADVISORY COMMITTEE

FOLLOW-UP MEETING

April 2, 1998

Present: Tahir Khan, Faculty
 Dr. Carlos Olivarez, Dean, Academic and Student Services
 Tom Sawasky, Faculty
 Ruth Springer, Secretary

Date Recommended	Advisory Committee Recommendations	Follow-Up Actions
4/24/97	1. That OCC attempt to find out whether there is a need for the Automotive/Industrial Modeling Option in industry. In Process	1. Mr. Tahir Khan will contact OCC's Office of Institutional Planning & Analysis to request that a needs assessment be done on this option.
4/24/97	3. That OCC explore the possibility of offering as one course the content of MEC 101, Introduction to Manufacturing Processes, and MEC 102, Manufacturing and Fabrication Practices, which is needed by a body designer. In Process	3. Ms. Ruth Springer will contact Ms. Claudia Von Drak in regard to setting up a meeting of Mr. Khan, Dr. Carlos Olivarez, Mr. Tom Sawasky, and Mr. Steve Atma, MEC instructor, with someone in the area of manufacturing at Chrysler, as Ms. Von Drak suggested at the advisory committee meeting November 13, 1997. The purpose of the meeting will be to discuss what content industry believes should be covered in the MEC classes.
4/24/97	4. That a field trip/industry tour be made part of the standard syllabus for all CAD courses. Not Approved	4a. Field trips are currently being taken by students in CAD 215, Advanced Curves and Surfaces; CAD 260.1, Principals of Body Design; CAD 270.1, Applications of Body Design; and CAD 280.1, Vehicle Body Surface Development. 4b. Students are encouraged to take advantage of tour opportunities provided through the student chapter of the Society of Manufacturing Engineers.

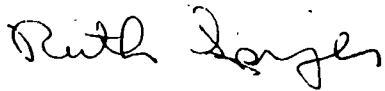
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4/24/97	5. That one week in the MEC class be spent on fasteners. Completed	5. One week in the MEC class has always been spent on fasteners.
4/24/97	7. That steps be taken to provide an adequate amount of open lab time for students in all classes. That, if necessary, OCC consider the possibility of leasing training computers on Saturday and Sunday from Chrysler or another company for the use of students for open lab time. Completed	7. There are now enough computers in the labs so that it is no longer necessary for two students to share a computer during class time. As a result, there is no longer a problem in regard to open lab time.
4/24/97	8. That CAD 235, CAD Applications in Die Design, be added to the Body Design Option. Not Approved	8. It is not possible to add another course to this option, which already requires a large number of credit hours to graduate. Students may take CAD 235 as an elective or as a substitute for co-op if they do not need the co-op class.
4/24/97	9. That additional instruction in finite element modeling be added to the Computer Aided Engineering Technology Option. Not Approved	9. It is not possible to teach more material in this area in addition to what is already being taught in CAD 216, Finite Element Modeling, because of the limited math background of the students.
4/24/97	10. That a class in design simulation be added to the Computer Aided Engineering Technology Option. In Process	10. Mr. Khan has approached Mr. Victor Rhoder of Deneb Robotics and Ms. Cheryl Kozell of OCC's Workforce Development Forum to see whether OCC can obtain more than the five licenses we currently have to use Deneb's design simulation software. It is not possible to offer a class if only five computers are available for students to use.
4/24/97	11. That instruction in Draw Mode on CATIA be included in CAD 210.1, Three Dimensional Wire Frame Design and Surfacing. In Process	11. Mr. Khan has approached the CAD 210.1 instructors about this possibility. A consensus has not yet been reached about the feasibility of doing this.

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4/24/97	12. That OCC consider the possibility of including instruction in 2D-3D space integration in the CAD program. Completed	12a. This is done in the new Unigraphics course, CAD 135, Assemblies and Components, and in CAD 210.1.
4/24/97	13. That OCC consider the possibility of teaching such concepts as plan view, projections, and planes using CATIA, rather than in manual drafting classes. In Process	13. This is not possible at this time because there are separate courses to teach these concepts. Students need to take ADT 110, Introduction to Body Drafting, before taking CAD 260.1, CAD 270.1, and CAD 280.1.
4/24/97	15. That OCC provide a forum for students to talk with people in the industry and receive career suggestions from them. Completed	15a. This is being done through the Society of Manufacturing Engineers student chapter.
4/24/97	16. That OCC consider the possibility of holding a yearly technology fair with industry coming in to show students what they are doing with the systems taught on campus. Completed	16a. Some instructors take their students to the engineering and manufacturing shows which are offered in the Detroit area, such as AutoFact and the Society of Automotive Engineers show. 16b. Mr. Khan will write a memo encouraging all CAD instructors to recommend that their students attend these types of shows.
11/13/97	17. That OCC consider the possibility of teaching descriptive geometry using the draw side of CATIA. Not Approved	17. The concepts of descriptive geometry are better learned by students when taught on the drafting board, since there is no generic software which could be used to teach these concepts in such a way that they could be applied in whatever software students might use in the future.
11/13/97	18. That OCC consider replacing DDT 105, Product Drafting, with CAD 235, CAD Applications in Die Design, in the Body Design Option. Not Approved	18. An understanding of the concepts taught in DDT 105 is essential for a student to succeed in CAD 235.

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11/13/97	19. That CAD 220, Product Design and Layout, and CAD 270.1, Applications of Body Design, be combined into a single course. In Process	19. Under consideration.
11/13/97	20. That MAT 156, Trigonometry, be deleted from the Body Design Option. In Process	20a. A consultation is planned between instructors of applied math and regular math classes to see whether they might work together so students could receive transfer credit for taking applied math classes. The question of what math classes should be included in the CAD Program will be reviewed after this consultation has taken place. 20b. Any changes in the program must be considered in relation to what will be accepted by Central Michigan University under its transfer agreement with OCC.

The next meeting of the Computer Aided Design and Drafting Technology Advisory Committee will take place during Fall 1998.

Respectfully submitted,



Ruth Springer

(advw97:cadfollo.min)