

ROBOTICS/AUTOMATED SYSTEMS TECHNOLOGY ADVISORY COMMITTEE
 FOLLOW-UP MEETING
 July 8, 1997

Present: Willie Lloyd, Director of Placement and Cooperative Education
 Dr. Carlos Olivarez, Dean, Academic and Student Services
 John Sefcovic, Paraprofessional
 Ruth Springer, Secretary
 Doug St. Clair, Faculty

Date Recommended	Advisory Committee Recommendations	Follow-Up Actions
10/10/96	1. That a strong emphasis be placed on the teaching of troubleshooting skills. Completed	1. Troubleshooting skills are taught on an ongoing basis in all classes.
10/10/96	2. That OCC explore the possibility of including a co-op experience in the Robotics Program. In Process	2a. Mr. Doug St. Clair will work with Ms. Sally Kalson, Coordinator of Cooperative Education, to explore the possibility of adding a co-op class to the Robotics Program as a recommended elective. 2b. Mr. St. Clair has been approached by FANUC Robotics about the possibility of FANUC becoming a co-op site. He will follow-up on this opening.
10/10/96	3. That OCC explore the possibility of placing equipment from Dynalog, Inc. in the Robotics Lab on a consignment basis. Not Approved	3. If equipment is placed in the lab on a consignment basis, the company can remove the equipment at their discretion. If the same equipment is not used every semester, it creates a gap in the curriculum, since some students receive instruction on that equipment, while others do not. It was, therefore, decided not to pursue this possibility.

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10/10/96	4. That OCC attempt to provide some instruction in simulation as a part of the Robotics Program. In Process	4a. It would be difficult to add simulation instruction to the curriculum because it would make the curriculum too long for a two-year program. It may be possible to do demonstrations to expose the students to this area. 4b. In October, 1997, a Deneb user group will be using simulation software with the robots. This will serve as a test for the feasibility of adding simulation to the curriculum.
10/10/96	5. That instruction in blueprint reading and schematic reading be included in the Robotics Program. Completed	5. New instructional material has been developed for ROB 166, Sensor Technology, and ROB 250, Automated Controller Maintenance, which incorporates schematics and basic wiring.
10/10/96	6. That an advanced Programmable Logic Controller (PLC) class be added to the curriculum. In Process	6. An Advanced PLC class has been developed, and it has already been voted upon and approved by Technology Department members. Mr. St. Clair will take it to the Campus Curriculum Committee at its first meeting in September, 1997.
10/10/96	7. That OCC explore the possibility of adding classes in the repair of personal computers and in C programming to the curriculum. In Process	7a. Instruction in the repair of personal computers may be incorporated into the Advanced PLC course. 7b. Structured programming concepts are taught in all Robotics classes.
10/10/96	8. That instruction in basic wiring be included in the Robotics Program. Completed	8. See no. 5.

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10/10/96	9. That the material needed by Robotics students in the areas of Pneumatics and Hydraulics be taught in a single class, rather than requiring ATF 140 and ATF 147. In Process	9a. Mr. Tony Hildebrandt is the faculty member responsible for the Fluid Power Program. Mr. St. Clair has discussed with him and received his approval of the concept of creating a single class to teach the fundamentals of Pneumatics and Hydraulics. 9b. Mr. St. Clair will pursue the creation of a Robotics class that teaches the fundamentals of Pneumatics and Hydraulics.
10/10/96	10. That AC and DC Fundamentals be taught as a single class for the Robotics Program. Not Approved	10. See recommendation 14.
10/10/96	11. That OCC explore the possibility of including more instruction in communication skills, including writing, speech, and listening skills, as a part of the Robotics Program. In Process	11. Dr. Carlos Olivarez will arrange a meeting in September of Technology Department faculty with Speech faculty to discuss the content of SPE 129, Interpersonal Communication, in an effort to determine whether this would be an appropriate course to add to Technology Department programs.
10/10/96	12. That tours of area companies be included as a part of the instruction offered in the Robotics Program. In Process	12. Mr. St. Clair will make a first attempt during Fall 1997 to work with Mr. Randy Schroeder to arrange a tour of FANUC Robotics.
3/24/97	13. That if material needed by Robotics students in the areas of Pneumatics and Hydraulics is taught in a single class, the primary emphasis of the class be on Pneumatics. In Process	13. Mr. St. Clair will take this into consideration in the creation of a Robotics class that teaches the fundamentals of Pneumatics and Hydraulics (see no. 9).
3/24/97	14. That EEC 102, DC Fundamentals, and EEC 104, AC Fundamentals, continue to be included as required supportive courses in the Robotics curriculum. Completed	14. EEC 102 and EEC 104 will continue to be included in the Robotics curriculum.

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3/24/97	15. That OCC consider the possibility of deleting one math course from the Robotics Program and adding a course in the repair of personal computers. Not Approved	15. All math courses currently included in the curriculum are necessary. Therefore, this cannot be done.
3/24/97	16. That Robotics students be surveyed to find out what kind of students the program is serving and what their needs and career goals are. In Process	16. Dr. Olivarez will put together a survey to be used for this purpose this Fall by Technology Department programs.

The next meeting of the Robotics Advisory Committee will take place on Monday, September 22, from 5:00 to 7:00 p.m. in room T6. The meeting will begin with dinner at 5:00.

Respectfully submitted,



Ruth Springer

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