Before completing this form, please refer to the *Instructions for Completing the Course Outcomes Form.* Please submit this form electronically.

Last date this form was updated or edited	12/4/2007
Course Number (e.g., ENGL 101)	CMPS 207
Course Name (e.g., English Composition I)	Robot Development
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Gary Brandt
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	Robotics with the Boe-Bot, Andy Lindsay, ISBN 1-928982-03-4, 2004

A. NWIC outcomes: From the *List of NWIC Outcomes*, select the *most* important outcomes you *assess* in this course (at least **one** NWIC outcome must be chosen).

NWIC outcome # (e.g., "Written communication: 2a. write standard English")	Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)	Assessment/Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)
Written Communication 2a. Students will be able to write in standard English 2b. Write a technical paper using various credible sources	1. Choose a topic from a provided list 2. Submit a rough draft following the report guidelines 3. Submit a corrected final draft	1. Format follows guidelines 2. References cited properly 3. Spelling and grammar meet acceptable standards

B. Course outcomes: In order of priority, list the _most_ important other learning outcomes for this course that you **assess** (a maximum of 8).

Other course outcomes: Complete the sentence – As a result of this course, students will be able to…	Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)	Assessment / Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)
Describe what a robot is and is not.	Lecture, Internet research, textbook and hands-on activities	Describe a robot List five things a robot can do List five things a robot cannot do.
Assemble a Boe-Bot robot from the provided parts	Lecture, textbook reading and hands-on activities	Present a completed robot
Program the robot to travel a predetermined course.	Lecture, textbook reading and hands-on activities	Student will present a functioning robot project
Program the robot to interact with touch sensors.	Lecture, textbook reading and hands-on activities	Student will present a functioning robot project
Program the robot to navigate with infrared headlights	Lecture, textbook reading and hands-on activities	Student will present a functioning robot project
Control the robot with distance detection	Lecture, textbook reading and hands-on activities	Student will present a functioning robot project
Select an available accessory such as legs, tank treads, etc and modify the robot to utilize the accessory.	Lecture, textbook reading and hands-on activities	Student will present a functioning robot project
Design and build a "robot" from salvaged parts	Lecture, textbook reading and hands-on activities	Student will present a functioning robot project