

MCHE 470: Robotics

Fall 2013 Syllabus

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Lecture: CLR 313, Tuesday & Thursday 4:30 – 5:45pm

Textbook: None.

Required Materials:

SparkFun Inventor's Kit – <https://www.sparkfun.com/products/11576>
SparkFun Motor Driver Shield – <https://www.sparkfun.com/products/9896>

Course Description:

This course will cover the fundamentals of robot design and control, with focus on application. Students will implement fundamental robotics algorithms on a variety of robots. A large portion of the course will be the design and build of a robot for participation in a class competition.

Grading:	Mini-Projects	45% (5 – 10% each)
	Mid-Term Exam	10%
	Final Project	25%
	Final Exam	20%

Most projects will be conducted in teams. Teams will be randomly assigned and all team members will receive the same grade on the assignment.

Academic Honesty (just a reminder):

An essential rule in every class of the University is that all work for which a student will receive a grade or credit be entirely his or her own or be properly documented to indicate sources. When a student does not follow this rule, s/he is dishonest and s/he defeats the purpose of the course and undermines the goals of the University.