



2011 Season

The Midwest Robotics League is offering a Combat Robotics Student training this summer. The course provides a basic robot curriculum relevant to what our MRL students need to compete with their teams. This course is available to students who are middle and high school age. If you wish to learn about this exciting sport and get training for a future combat robot team sign up now. You can start a new team at your school or find out how to join an existing team.

Course Information:

Monday June 27th – Thursday June 30nd
9:00am – 3:00pm (lunch is provided)
Room: Black 58
Dress casual for working in labs
Trainer: Al Jaedike
Training Group: Midwest Robotics League
Location: Dunwoody College of Technology (map available)
Tuition: \$75 (Includes lunch in school cafeteria)

The curriculum is new and follows the MRL Mission intent by relating to the STEM education system.

The Midwest Robotics League's Mission is to bring science, technology, engineering and mathematics to life by introducing students and parents to the highly evolved world of manufacturing careers through the designing, building, operating, testing and re-engineering of safe fighting sport robotics.

Learners will:

- Be Introduced to Combat Robotics.
- Review the MRL Rules and Procedures, Technical Regulations, Inspection Process and Judging.
- Design a robot using SolidWorks CAD software. No previous skills required.
- Make CAD detail drawings for parts to be made.
- Make parts from drawings in the machine lab using machines available. No previous skills required.
- Tour and take part in a demo in the welding lab using equipment available. No previous skills required.
- Assemble parts to build the drive platform and chassis of the robot using a GEARS kit.
- Review on-line sites for robotic parts.
- Install the electrical components required to have a fully functioning robot.
- Operate the robot in a safe environment to simulate a combat robot match.
- Apply the R&P, TR, Inspection Process and Judging guidelines for a match/event.
- Operate the robot in a safe environment during an actual robot match.
- Discuss the training to see how it may fit into your school plans.

Let me know if there are any questions you may have.

To register: contact

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