



**2011 Season**

The Midwest Robotics League is offering a Combat Robotics Coach training this summer. The course provides a basic robot curriculum relevant to what our MRL coaches need to support their teams. This course is available to existing MRL coaches, people who wish to get coach training for a future combat robot team or for teachers wishing to develop skills for the classroom.

Course Information:

Monday June 20<sup>th</sup> – Thursday June 23<sup>th</sup>  
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: \$250 (Non-Member)  
Tuition: \$50 (existing MRL Member)

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.
- Make parts from drawings in the welding lab using equipment available. No previous skills required.
- Assemble parts to build the chassis of the robot.
- 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 combat robot match.
- Discuss the training to see how it may fit into your school environment.

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

To register: contact

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