EECS 498---005Lec/051Lab

Multidisciplinary Capstone (MDE) Design Pilot
for EECS Undergrads and ECE Masters students *

Lec: TTH 2---3:30 pm, 1009 FXB
Lab: TTH 1:00---2:00 pm/3:30---4pm, Location: TBA
   (Specific meeting locations arranged after semester start with design team)
   (3:30---4pm time slot can be rescheduled with design team for 498---006/007 students with time conflicts.)

Multidisciplinary Design

This is Real---World

Instructor(s)
Prof. Jay Guo (EECS), Prof. Brian Gilchrist (EECS), with faculty from MSE and ME

Course Description
EECS students, together with ME and MSE students work on common, interesting, significant *major design experience* (MDE) projects.

This pilot course provides students real---world, multidisciplinary design project opportunities that promote systems thinking skills to satisfy their MDE requirement and for ECE masters students interested in meaningful project experiences. (Others **)

For W18, we expect to have several projects with focus on applications in biomedical, robotic systems, energy, spaceflight, and other areas needing EECS students (e.g. sensor/electronics, embedded systems, controls, and wireless). Last year's projects included: Autonomous GoKart, Astronaut Urine Repurposing System, "Nano" Spacecraft for Propellantless Propulsion, Hardware Store Electronic Parts Matcher. (Questions? **)

Attention EECS 430 and 452 W18 students
See next page for more information on EECS 430 or 452 substitution

Prerequisites
EECS senior (EE, CE, or CS) or graduate standing or by permission of instructor* **

Credits: 3 or 4***
*   CS students will earn Flexible Technical Elective credits.
**   Please contact Prof Gilchrist (brian.gilchrist@umich.edu) or Prof Jay Guo (guo@umich.edu)
***   4 credit hours appropriate for students doing this as their MDE. 3 credit hours appropriate for students in conjunction with EECS 430 (498---006), 452 (498---007). **