GEORGIA INSTITUTE OF TECHNOLOGY
George W. Woodruff School of Mechanical Engineering
ME 2110 - Creative Decisions and Design
Spring 2010

Lecture: T & H, 8:05 – 8:55 AM, Howey Physics, L1
Studio: Various times, MRDC 2202-2203
Lecturer: Prof. William Singhose, MARC 432, x5-0668, Singhose@gatech.edu

Studio Instructors:
  Prof. Suman Das, MARC 255, Suman.Das@me.gatech.edu
  Dr. Jeffrey Donnell, MRDC 3104, Jeffrey.Donnell@me.gatech.edu
  Prof. Levent Degertekin, Love 320, Levent.Degertekin@me.gatech.edu
  Prof. Andrés García, IBB, Room 2314, Andres.Garcia@me.gatech.edu
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  Dr. Khalid Sorensen, Khalid.Sorensen@Camotion.com
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  Prof. Raymond Vito, IBB, Room 2308, Raymond.Vito@me.gatech.edu
  Dr. Dingrong Yi, Dingrong.Yi@gmail.com

All course material will be posted on the web site:
http://singhose.marc.gatech.edu/courses/me2110/index.html

Course Objectives:
To learn the fundamental procedures for solving engineering design problems; the essential details of analyzing, synthesizing, and implementing design solutions with flexibility, adaptability, and creativity; the techniques which allow an engineer to tackle new, unsolved, open-ended problems. To learn by doing through team and individual projects and assignments.

Course Requirements (100%):
1) In-Lecture Quizzes 10%
2) Homework 15%
3) Class Participation 5%
4) Introductory Project 15%
5) Major project 55%
   Planning Report and Presentation (5%)
   Evaluation Report and Presentation (5%)
   Machine Performance (15%)
   Presentation to Judges (5%)
   Final Oral Presentation (10%)
   Final Report (15%)
6) Give at least one oral presentation P/F
7) Electronics, machining, and pneumatics training P/F
All assignments must be labeled with your name, section instructor, section TA, and section time. When doing group work, all names must be on the assignment and each group member will receive the same grade. All assignments are due at the beginning of class. Late work is NOT accepted. Your class participation grade will be determined by the instructor’s view of your participation in group activities and by peer reviews.


**Attendance Policy**
You will be working on teams to complete the projects for this course. Therefore, you are required to attend all studio sessions.

Information required to complete your projects will be disseminated during lecture. It is impossible for the professors to repeat this information on a case-by-case basis to students who miss lecture. Furthermore, it is not the responsibility of your teammates to teach you the lecture material. Therefore, if you miss lectures, you are a loser, and your teammates will surely give you poor reviews that will adversely affect your grade. Furthermore, 10% of your grade comes from 4-5 in-lecture quizzes that cannot be made up if you miss a lecture. The final quiz will be a comprehensive test that will determine 5% of your grade. As a result, missing lectures will have a significant negative impact on your grade.

**NOTE:** This class CANNOT be dropped.