2.007 Design and Manufacturing I
Spring 2009

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What is FSAE?

- International Collegiate Design Competition
  - 9 competitions worldwide
  - 300+ teams compete

- The Goal: Design and Build Formula-Style Race Car
What is FSAE?

- Covers Aspects of a Startup Company
- Static Events
  - Design
  - Marketing
  - Cost
- Dynamic Events
  - Acceleration
  - Skid pad
  - Autocross
  - Endurance/Fuel Economy
• Same aspects of 2.007
  ◦ Design/Analysis
  ◦ Fabrication
  ◦ Testing
• Time requirements
  ◦ Intensive (~12 hours/week)
  ◦ Flexible (Nights/weekends in lab possible)
• Team environment
  ◦ Support & collaboration
Flexible hours...
• We
  ◦ will provide design guidance, flexible shop hours, CAD help, integration help, etc.

• You
  ◦ will design, fabricate, and test a subsystem of the car
  ◦ will keep a design notebook showing the evolution of your design
  ◦ ensure your system integrates well with rest of car
• Friday 2-5
• Weekends
• Possibility for another section, if necessary