Where are we going?
How are we going to get there?
Main Goals for this Semester

- Using a microcontroller to readout sensors, control a payload & telemeter data
- Learn about some science that can be done with high altitude platforms
- Understand and use basic project life cycle and project management concepts
- Design, build and fly a payload
January, 2003

- **1/21** – Semester Organization, Project Life Cycle, Phase 1 CanSat
- **1/23** – Phase 1 CanSat cont.
- **1/28** – Steps to PDR, CanSat Programming
- **1/30** – CanSat Programming cont.
February, 2003

- **2/04** – Cosmic Ray Science, Phase 2 CanSat
- **2/06** – Phase 2 CanSat cont.
- **2/11** – Atmospheric Science, CanSat Sensors
- **2/13** – Earth Science Remote Sensing, CanSat Sensors
- **2/18** – Balloon Launcher, GPS, CanSat Telemetry
- **2/20** – Rocket Launcher, CanSat Telemetry
- **2/25** – Steps to CDR, Finish CanSat
- **2/27** – *Preliminary Design Reviews (PDR)*
March, 2003

- **3/1 – 3/5** – Mardi Gras break
- **3/06** – Work on payload
- **3/11** – Steps to FRR, Work on payload
- **3/13** – Work on payload
- **3/18** – Work on payload
- **3/20** – Work on payload, Prep for CDR
- **3/25** – Work on payload, Prep for CDR
- **3/27** – **Critical Design Reviews (CDR)**
April, 2003

- **4/01** – Work on payload
- **4/03** – Work on payload
- **4/08** – Work on payload
- **4/10** – Work on payload
- **4/12 – 4/20** – Spring Break
- **4/22** – Work on payload, Rocket Flight Operations
- **4/24** – Work on payload, Prep for FRR
- **4/29** – Prep for FRR, Balloon Flight Operations
May, 2003

- **5/01** – Flight Readiness Reviews (FRR)
- **5/06** – Trip logistics, Pack up
- **5/07 – 5/11** – Dead week
- **5/12 – 5/17** – Exams
- **5/18 – 5/22** – Launch Trip
- **5/23** – Commencement
So much to do, so little time

- You will very likely need more than 4 hours per week to keep on schedule
- Still need to work out off-hours lab access
- Use the Team Logbook to record everything about your payload
- Recommend you take personal notes during the lecture sessions