Gateway To Space

ASEN / ASTR 2500

Class # 11

Colorado Space Grant Consortium
General Feedback: Proposals

- Proposals on average were good
- Some very good
- One weak
- One in the wrong format
- All were in on-time
- Most requirements met
- Many good drawings
- Many good experiments
- A long time to review but did so thoroughly
- Requirement summary saved some of you
- Some experiments not thought through enough
- Drawings fancy but little value without labels and dimensions
- Schedule details
- Testing details
- Most of you need to work on functional diagrams
  - Switches and activation
  - Power

- Testing
  - Mass simulators during structural tests
  - Functional units during cold test
  - Image/optic testing with film
  - Subsystem and functional tests
    - Related to functional block diagram
  - Order of testing
  - Detailed test plan, start thinking about it
General Feedback: Proposals

Consider a mission timeline,
- When will things happen on your payload

- Budget plan – Someone in charge of all expenses, receipts, and purchases

- Launch plan – think about recovery and activation

- Schedule – class deliverables and hardware turn-in

- High Voltage concerns
- Don’t order any hardware until provided hardware is checked out to your team

- Insulation will be provided

- Spare parts
General Feedback: Presentations

- On average, presentations were pretty good
- Good summary of proposals
- Most completed on-time
- Most presentations turned in on-time

- Some things to improved
  - Eye Contact
  - Hands-in the pocket
  - Reading charts
  - Some quiet talkers
  - In-effective use of charts
  - PRACTICE – who did and who didn’t

- Senior Design
What Now?
What Now?

- Begin…
- Complete your actions by DD Rev A
- Be frugal with you funds
- Ask me if I have the hardware you need before buying
- Order / purchase your hardware
  - Careful about EBay and other on-line, shipping delays
  - I can order your hardware
- Keep your receipts
- Monitor your mass
- Plan on lots of batteries
- Get busy now
- Don’t forget about final report and presentations
- Take pictures of your work
- Time when I will start to ---- you off
What Now?

- Remember condensation issues