Gateway To Space

ASEN 1400 / ASTR 2500

Class #27

Colorado Space Grant Consortium T+10
Today:

- Announcements

- One Minute Reports

- Guest Lecture
Announcements:

- Gateway Movie Night
  > Thanks to those who attended
Announcements:

- Friday 3:20 to 4:45 – Fleming 155

PATHWAY TO SPACE

COURSE AVAILABLE TO ALL SPACE MINOR STUDENTS!
TO ENROLL IN THE MINOR, VISIT:
COLORADO.EDU/SPACEMINOR
OPEN TO ALL UNDERGRADUATES

Space Minor
UNIVERSITY OF COLORADO BOULDER

Why is this guy dressed up like Superman?
Join us to find out!

Experience a preview of Pathway to Space and get a sneak peek of CU Boulder’s first space show!

Friday, December 2, 2016
3:20 - 4:45pm in Fleming 155
Special Guest: Dr. Erica Ellingson

Pathway to Space (ASEN 1969) is the required kickoff course for the new Space Minor, open to any and all CU Boulder students regardless of major.

We’re seeking input and suggestions before we launch this course on January 17, and we would love your help!

Please forward this email to anyone who may be interested!
Final Semester Team Evaluations...

- Due 12/8 (last class)

- Make sure your name is on the form

- Something New

1 Star
Final Semester Team Evaluations…

- Team of six has 1200 points (seven has 1400)
Final Semester Team Evaluations...

- Say not everyone is pulling their weight

Total = 1200 points
Final Semester Team Evaluations...

- I take everyone’s scores and do the math, taking into account how self scoring compares to team score for you
Announcements:

- Expo this Saturday

**EXPO AGENDA**

7:00AM ........................................ ITLL OPENS (NO CONSTRUCTION!)
7:30-8:45AM ................................. PROJECT SETUP AND REGISTRATION

-- **YOU MUST BE REGISTERED BY 8:45 --**

8:45AM ........................................ BREAKFAST
9:00-10:30AM ............................... JUDGING
10:30AM-12:30PM .......................... OPEN TO PUBLIC
12:30PM ....................................... AWARDS ASSEMBLY
1:00PM ....................................... CLEAN UP

- 9 teams / 1 me = Judging time? = Will try to be done by 10:30
Announcements:

- Two Judgments – Me and the Official Judges

- Only team members present during judging will be eligible for credit

- Shifts for Setup and General Public

- Consider Expo a professional event

- Have team videos, pics, code, and data ready to take
Announcements:

- Grades next week

- Will include DD Rev C, LRR, QLP, Expo, and possibly HW 9

- Grade items remaining:
  - DD Rev D
  - Final Presentations
  - Final Team Evals
  - Community Service Presentations
Next Tuesday (Class)

Team Videos and Space Grant Projects
Next Tuesday (Night)

Final Presentations

Start promptly at 6 PM

DLC 1B70 - Pizza but BYOB

Colorado Space Grant Consortium
Next Thursday

Last Class!

Course Review, Possible “Musical Performance” and call from ISS

Colorado Space Grant Consortium
Questions?
Guest Lecture:

Dr. James Stuart
Entrepreneur
Dr. James Stuart:

- Inventor, an author and a serial entrepreneur
- Internationally recognized space consultant
- Consulted to over 110 companies in 12 countries
- 21 patents
- Currently a Board Director of 4 entrepreneurial, high-tech companies, and 2 civic and non-profits
- Been Board Director of 39 companies
- Professional expert witness in 4 major space industry litigations
- Currently CEO of Space Tug Corp.
Dr. James Stuart:

He was…
- **Founding Chief Engineer** of Orbital Sciences Corp.

- **Chief Scientist and Chief Engineer** at Ball Aerospace

- **Assistant Laboratory Director** of LASP
Dr. James Stuart:

He was…
- **Program Manager** at CalTech/JPL of both:
  - Solar Mesosphere Explorer (launched 1981)
  - Mars Observer (launched 1992)
Dr. James Stuart:

- Member of three graduate engineering faculties of the University of Colorado at Boulder for 19 years
  > Electrical Engineering
  > Telecommunications
  > Aerospace Engineering

- Ph.D. Systems Engineering (1979)
- M.S. Operations Research (1977)
- M.S. Electrical Engineering (1974)
- B.S. in Physics (1968)
Dr. James Stuart:

- Received NASA's Exceptional Service Medal

- **Author of a graduate engineering**, two-volume text 'Satellite Communications Systems’ and co-author of 'Telecommunications: An Interdisciplinary Text’

- Published over **170 professional papers**
Dr. James Stuart:

- Taught Chris’s Gateway to Space Class at CU Boulder in the Fall of 1988

- Class was amazing…
  - use of paper
  - energy
  - classified secrets

+ inspirational
Dr. James Stuart:

- And he drives...
Guest Lecture:

Dr. James Stuart
Entrepreneur

Colorado Space Grant Consortium