Catalog Description of Course (New):
Senior students perform a team-based spacecraft design, requiring application of the education and skills developed in the aerospace curriculum. Components include analysis methods for preliminary design, development of an initial vehicle concept, and development of a complete numerical model of the mission, culminating in oral and written reports by the teams.

Prerequisites: AAE 251, 334, 340, 352, 364 and 439; Corequisite: AAE 440

In this course, we will coach you while your team carries out a preliminary design under fairly realistic conditions. We aim to give you practice by simulating the work environment.

Class Hours: Lecture TTh 9:30AM, Grissom 276. Lab Th 1:30-4:20, Grissom 274.

Professor: Steve Schneider
Aerospace Sciences Lab, Room 13C, 49-43343, email steves@ecn
Grissom Hall, Room 317, 49-45254
Campus Office Hours: TBD
Otherwise, email, call or visit lab. I am usually at the lab. Email is usually best.

T.A.: Shin Matsumura, Grissom 100, email smatsumu, 49-63465
Campus office hours: TBD.

Grading: Oral/written progress reports 10%, Concept definition report 10%, Design methods report 30%, Final design report, 50%. Report grading includes both the written and oral portions.

Some References:


