

ABET Course Syllabus

ENAE 483 Principles of Space Systems Design

Credits & Contact Hours: 3 credits (3 hours of lecture)

Course Status: Required

Schedule:

Course Description:

Pre-Requisites:

Co-Requisites:

Textbooks:

Other Required Material: Course lecture notes and handouts

Course Oversight: Design/Lab committee

Syllabus Prepared By/Date:

Course Objectives/Student Learning Outcomes:

1. Learn the basic tools and techniques of systems analysis and space vehicle design
2. Understand the open-ended and iterative nature of the design process
3. Simulate the cooperative group engineering environment of the aerospace profession
4. Develop experience and skill sets for working in teams
5. Perform and document professional-quality systems design of focused space mission concepts

Topics Covered:

Relationship of Course Objectives to Program Outcomes

This course addresses program outcomes: 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16