Design of Space Vehicles and Systems II

AEROENG 4518

Credit Hours (Minimum if “Range” selected):
3.00

Max Credit Hours:
3.00

Representative Textbooks and Other Course Materials:

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Year</th>
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<tr>
<td>Spacecraft Structures and Mechanisms by Microcosm Press</td>
<td>Sarafin (editor)</td>
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Course Description:
Continuation of 4517: Preliminary and detailed design of space vehicle components. Design of a space vehicle/system, and mission scenarios simulation via computer software.

Prerequisites and Co-requisites:
Prereq: 4517, and enrollment as AeroEng-BS student (No pre-majors can enroll in this course).

Designation:
Required

Course Goals / Objectives:
Provide students with conceptual and detailed spacecraft design experience
Foster multidisciplinary thought processes and collaborations
Train students in effective teamwork
Refine students' technical communication skills through written reports and presentations