ASE 274L

Spacecraft/Mission Design Principles

Spring Summer Fall Year: _____

Instructor:

This course contributes significantly to these ASE program outcomes:

[1] The ability to apply knowledge of mathematics, physics, chemistry and engineering science to solve engineering problems (a).

[2] The ability to identify, formulate, and solve problems in aerospace structures, air-breathing and rocket propulsion, flight dynamics, and flight control systems using modern engineering techniques and tools (e, k)

[3] The ability to analyze and perform preliminary design of components of aerospace structures, air-breathing and rocket propulsion systems, and flight control systems using modern engineering techniques and tools (c, k)

[4] The ability to work on a multi-disciplinary team to perform conceptual design of aircraft or spacecraft that will meet a set of mission requirements (c, d)

[5] The ability to design and conduct experiments and analyze and interpret data (b)

[6] The ability to communicate effectively in oral, written, and graphical form (g).

[7] The ability to recognize the impact of engineering systems on the environment and society and an understanding of professional and ethical responsibility (f, h, j)

Assignment (circle one): Homework #___ Exam #___ Final Project Other

If Other, explain: ____

Relevant outcomes: 1 2 3 4 5 6 7

Explanation: ____

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Relevant outcomes: 1 2 3 4 5 6 7

Explanation: ____

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