ASEN 4123 Vibration Analysis
Fall 2019

Course Description:

This course provides an introduction to the principles and techniques of structural dynamics, covering the basic theory of vibrations including modeling and analysis methods. While the bulk of the course will focus on analytical techniques, computational, and experimental analysis will also be covered. The course is suitable for students planning to pursue the subject further in either an academic or industrial setting. It is also useful for students interested in integrating vibration analysis into their system engineering activities for both aerospace and mechanical engineering applications. Some insights on the role of atomic-scale vibrations in materials science will also be provided.

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Office Hours: Mondays and Fridays 4:30-5:45 pm

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