



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Introduction to Structural Dynamics and Aeroelasticity of Aerospace Vehicles

## AEROENG 6645

**Credit Hours:**

4.00 - 4.00

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**Course Components:**

Lecture

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**Course Description:**

Fundamental Concepts of Structural Dynamics, Unsteady Aerodynamics, and Aeroelasticity of Aerospace Vehicles.

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**Prerequisites and Co-requisites:**

Prereq: Grad standing, or permission of instructor.

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**Course Goals / Objectives:**

- Introduce the fundamental aspects of structural dynamics and classical aeroelasticity. Also to introduce advanced topics of aeroelasticity, such as hypersonic aeroelasticity, rotary wing aeroelasticity, and computational aeroelasticity.