Fundamentals of Aerodynamics

AEROENG 3560

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

Max Credit Hours:
3.00

Representative Textbooks and Other Course Materials:

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No Textbooks and Other Course Materials Entered.

Course Description:
Fundamentals of viscous and inviscid flow encountered in aircraft aerodynamics.

Prerequisites and Co-requisites:
Prereq: 2200 and 2405; and Math 2174, or 2568 and 2415; and enrollment as AeroEng-BS student.

Course Goals / Objectives:
Fundamentals of the mathematical description of fluid motion, including conservation laws
Enable students to use basic tools of aerodynamic analysis
Train students to model and solve problem involving fluid flow