AE 6333 Rotorcraft Design I

Catalog Data: Stochastic approach to conceptual design of aerospace systems with emphasis on Rotorcraft. Comprehensive methodologies for aerospace vehicle synthesis and sizing. Integration of technologies.


References: Course notes and handouts

Coordinator: Daniel Schrage, professor of A.E.

Goals: The course exposes students to different aircraft design techniques and allows them to apply these techniques to vehicle design while in a team-oriented environment. The objectives are:

a) to familiarize the students with traditional design techniques and applications
b) to teach students modern design theory and techniques
c) to allow the student to apply the methods learned to the design of a vehicle, including sizing, synthesis, and analysis, as part of a team effort.

Prerequisites: AE 4400, 6370 or consent of school
Familiarity with the UNIX operating system environment
Familiarity with FORTRAN programming language