Instructor: Prof. M. S. Selig  
Office Hours: WF @ 3-4 PM

Course Meets: MWF @ 12:00-12:50 PM

Prerequisite: AE 202 and AE 353

Course Description: Steady and quasi-steady aircraft flight performance; take-off and landing, climbing and diving, cruise, level turn, and energy methods; longitudinal, directional, and lateral static stability and control; longitudinal and lateral motion and dynamic stability.

Credit: 3 undergraduate hours, 3 or 4 graduate hours

Textbook: Thomas Yechout, et al.  
*Introduction to Aircraft Flight Mechanics: Performance, Static Stability, Dynamic Stability, and Classical Feedback Control*  
AIAA Education Series, 2003

Requirements: 9 Quizzes  
6 HWs  
2 Hourly Exams + Final Exam

Grading:  
Quizzes 10%  
Homeworks 45%  
Hourly Exams 20%  
Final Exam 25%

Grad credit: Term Paper

Homework: Homework is due at the beginning of class.  
Late homework penalty of 10% per day.