AE 419: Aircraft Flight Mechanics

Spring 2015

Course Information
(Tentative)

Instructor:       Prof. M. S. Selig
Office Hours:    TBD

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. 

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.