Course Information

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

Course Meets: MWF @ 12-12:50 PM

Prerequisite: AE 311 (Incompressible Flow)

Course Description: Two-dimensional and finite wing theory with emphasis on the mechanisms of lift and drag generation; Reynolds number and Mach number effects; drag analysis; high-lift wing systems; propeller and rotor aerodynamics; control surface design; application of V/STOL aerodynamics.

Credit: 3 undergraduate hours, 3 or 4 graduate hours

Textbook: Barnes W. McCormick
Aerodynamics, Aeronautics, and Flight Mechanics

Requirements: 10 Quizzes
8 HWs
2 Hourly Exams + Final Exam

Grading:
<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
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<tr>
<td>Homeworks</td>
<td>45%</td>
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<tr>
<td>Hourly Exams</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
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Grad credit: Term Paper

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