Instructor
Eugene Lavretsky, eugene.lavretsky@boeing.com
Office Hours: Fridays, by appointment

Grading
Letter or Pass/Fail.

Prerequisites
Basic understanding of linear systems theory and control methods, Ability to simulate dynamical systems in MATLAB.

Course Outline
The main goal of this course is to introduce flight control concepts and challenges for aerial vehicles, and address their solutions via theoretically-based control design/analysis methods. The latter will include robust and adaptive controllers. Realistic aerospace applications will be discussed. The course material will cover selected chapters from the course textbook [1]. Homework will be assigned once a week. Mid-term and Final exams will be given.

Grading
<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance</td>
<td>5%</td>
</tr>
<tr>
<td>Homework</td>
<td>40%</td>
</tr>
<tr>
<td>Midterm</td>
<td>25%</td>
</tr>
<tr>
<td>Final</td>
<td>30%</td>
</tr>
</tbody>
</table>

Course Textbook:

Supplementary Textbooks