Helicopter Aerodynamics

AEROENG 5610

Credit Hours (Minimum if “Range” selected):
3.00

Max Credit Hours:
3.00

Representative Textbooks and Other Course Materials:

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Year</th>
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<tbody>
<tr>
<td>Principles of Helicopter Aerodynamics, 2nd ed.</td>
<td>J. Gordon Leishman</td>
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Course Description:
Basic treatment of helicopter aerodynamics, performance, and design.

Prerequisites and Co-requisites:
Prereq: 3570 (530 and 570).

Designation:
Elective

Course Goals / Objectives:
Introduce students to the fundamentals of helicopter flight including rotocraft aerodynamics, design, performance, and control in hover and forward flight