**Aerospace Engineering**

AE 312  **Compressible Flow**  credit: 3 hours.

Dynamics of compressible fluid; conservation of mass, momentum, and energy; one-dimensional and quasi-one-dimensional flow; oblique shock waves & Prandtl-Meyer expansion fans; unsteady wave motion; linearized theory. Application to nozzles, diffusers, airfoils, shock tubes and other geometries. Prerequisite: AE 202 and MATH 285. Credit or concurrent registration in ME 300.

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<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>29874</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>103 - Talbot Laboratory</td>
<td>Woodard, B</td>
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Restricted to Aerospace Engineering major(s).