Course Syllabus

Statics and Strength of Materials
ARCE 2344

Course Description:  Internal effects of forces acting upon elastic bodies and the resulting changes in form and dimensions. Includes stress, shear, bending moments, and simple beam design.

Semester Hours Credit:  3

Lecture/Lab Hours:  This course consists of (2) lecture hours and (4) lab hours each week

Prerequisite:  None


Student Learning Outcomes:

1. Calculate load and the effect of forces on structures.
2. Prepare moment and shear diagrams.
3. Analyze compression and tensile forces within structural elements.

Evaluation Methods:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawings &amp; Assignments</td>
<td>50%</td>
</tr>
<tr>
<td>Tests</td>
<td>15%</td>
</tr>
<tr>
<td>Attendance and Participation</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>SEMESTER GRADE</td>
<td>100%</td>
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</tbody>
</table>
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See at: GL (Legal)

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For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@coastalbend.edu.

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See at: FLB (Local) and FM (Local).

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NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.