CE 2315 Statics  
Course Syllabus  
Fall 2023

**Time and Location:** MWF 08:30 – 09:20, Liberal Art 106.

**Instructor:** Hossein Mallahzadeh, Ph.D  
E-mail: hmallahzade@utep.edu  
Office hours: T and W – 12:00-:00

**Reference Textbooks:**

*Preferred Textbook:*

Engineering Mechanics: Statics  

Statics & Dynamics .  

**Blackboard:** The instructor will use Blackboard for uploading lectures, updating the syllabus (if necessary), and communicating with students via “Announcements” and email.

**COURSE OBJECTIVES:**

The objectives of CE 2315 are:

Students will learn the principles that govern the behavior of rigid-body systems in static equilibrium. Specifically, students will be able to:

- Identify an engineering problem appropriate for engineering mechanics analysis;
- Draw a free-body diagram and identify all forces and moments acting on an object at rest;
- Represent force and moment systems with equivalent systems;
- Perform an analysis to identify all forces and moments acting internally or externally on an object; and
- Determine geometric properties of one, two and three-dimensional objects.
Exams: There are 3 midterm exams.

Exam dates: 9/27, 10/25 and 11/22

Grading
Your final grade for this course will be based on the following activities

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm Exams (3x)</td>
<td>75%</td>
</tr>
<tr>
<td>Class Performances</td>
<td>25%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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</tbody>
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Grade Scale

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-90%</td>
<td>A</td>
</tr>
<tr>
<td>89-80%</td>
<td>B</td>
</tr>
<tr>
<td>79-70%</td>
<td>C</td>
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<tr>
<td>69-60%</td>
<td>D</td>
</tr>
<tr>
<td>&lt;60%</td>
<td>F</td>
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</tbody>
</table>

The instructor reserves the right to revise this grading plan.
NO extensions are given in homework or quizzes.
The instructor preserves the right to ask for explanation of the student’s exam answers.