## Assignment 2

**Due on:** 2019-01-26, 23:59:59

### Week 1

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
<th>3.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit</td>
<td>Assignment</td>
<td>Notes</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**Instructions:**

1. **Unit 1 Assignment 2**
   - **Title:** Unit 1 Assignment 2
   - **Description:**
     - Objectives:
       - Understand the concepts of stress and strain.
       - Be able to calculate and interpret stress and strain values.
     - Requirements:
       - Submit the assignment by the due date.
       - Include all calculations and reasoning.
   - **Notes:**
     - This assignment covers the material from Unit 1.
     - Good practice.

### Week 2

**Unit 2 - Week 2**

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
<th>3.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**Instructions:**

1. **Unit 2 Assignment 2**
   - **Title:** Unit 2 Assignment 2
   - **Description:**
     - Objectives:
       - Understand the concepts of stress and strain.
       - Be able to calculate and interpret stress and strain values.
     - Requirements:
       - Submit the assignment by the due date.
       - Include all calculations and reasoning.
   - **Notes:**
     - This assignment covers the material from Unit 2.
     - Good practice.

---

**Diagram:**

- **Diagram Description:**
  - A diagram showing stress-strain curves for different materials.
  - Key points:
    - Elastic limit
    - Yield point
    - Ultimate strength
    - Failure point
  - Explanation:
    - Stress-strain curves help in understanding the mechanical behavior of materials.
    - Each material has a distinct curve.

---

**Table:**

<table>
<thead>
<tr>
<th>Material</th>
<th>Elastic Limit</th>
<th>Yield Point</th>
<th>Ultimate Strength</th>
<th>Failure Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>200 MPa</td>
<td>400 MPa</td>
<td>600 MPa</td>
<td>800 MPa</td>
</tr>
<tr>
<td>Aluminum</td>
<td>50 MPa</td>
<td>100 MPa</td>
<td>150 MPa</td>
<td>200 MPa</td>
</tr>
<tr>
<td>Glass</td>
<td>400 MPa</td>
<td>1000 MPa</td>
<td>2000 MPa</td>
<td>2500 MPa</td>
</tr>
</tbody>
</table>

---

**Question:**

- **Question Description:**
  - A question asking students to analyze the stress-strain curves for a given material.
  - **Answer:**
    - A detailed analysis explaining the material's behavior under stress.

---

**Final Notes:**

- **Feedback Notes:**
  - Positive feedback on the student's understanding of the concepts.
  - Suggestions for improvement:
    - More focus on the application of concepts.

---

**Additional Resources:**

- Textbooks:
  - *Material Science*
  - *Engineering Mechanics*
- Online Resources:
  - [Engineering Mechanics](https://example.com)
  - [Material Science](https://example.com)