Course Name:
Introduction to Civil Engineering

<table>
<thead>
<tr>
<th>Course Number: 20-009</th>
<th>Credit: 0</th>
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</thead>
<tbody>
<tr>
<td>Program: Undergraduate</td>
<td>Course Type: Technical required</td>
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<tr>
<td>Prerequisite: -</td>
<td>Corequisite: -</td>
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Course Description (Objectives):
The main objective of this course is to familiarize new bachelor’s students with the field of civil engineering and its branches. This course will help students gain a general understanding of the fields of specialization of civil engineering and their research areas and industrial applications.

Course Content (outline):
- Introduction to Structural Engineering
- Introduction to Earthquake Engineering
- Introduction to Geotechnical Engineering
- Introduction to Hydraulic Structures Engineering
- Introduction to Water Resources Engineering and Management
- Introduction to Environmental Engineering
- Introduction to Transportation Engineering and planning
- Introduction to Highway Engineering
- Introduction to Construction Engineering and Management
- Infrastructure Sustainability and Resilience