

**Course Name:**

Introduction to Civil Engineering

Course Number: 20-009	Credit: 0
Program: Undergraduate	Course Type: Technical required
Prerequisite: -	Corequisite: -

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