

Fundamentals of Sustainable Construction

In this course, we will delve into the concept of "sustainable construction" due to its numerous benefits. As our communities expand with an increase in population, our planet is continuing to suffer from the impact of climate change. Sustainable construction is a type of construction that aims to minimize the negative environmental, social, and economic effects of buildings. By implementing sustainable construction practices, we can contribute to building a brighter future for ourselves and the planet.

Course Outline

- Introduction
- Overview Energy Design
- Renewable energy sources
- Sustainable Materials
- Passive heating and cooling
- Indoor air quality
- Waste reduction
- Water conservation
- Community Impact
- Exploration of Eco-Cities