

ENV361 Water Quality Management

Department of Environmental Science and Engineering - Compulsory Course

Credit: 4 ECTS: 6



Course Description: This course aims to emphasize the importance of water and promote its conscious use. Sustainable management of water resources and the preservation of water quality have become globally significant issues. In this course, students will learn the fundamental concepts of water resource management, water quality standards, and water pollution. They will also explore how these topics relate to sustainable development goals at both the global and local levels.

Course Outcomes:

- Upon successful completion of this course, students will:
- Understand the significance of water and why conscious water use is essential.
- Learn the fundamental concepts and strategies for sustainable water resource management.
- Develop the skills necessary to research and analyze chemical and biological water quality parameters.
- Gain knowledge about water pollution and water quality standards and develop strategies to address these issues.
- Explain how sustainable water resource management aligns with the United Nations Sustainable Development Goals (SDGs).
- Enhance their research and presentation skills by working on a final project related to water resource management and water quality.