

ENV381 Solid Waste Management

Department of Environmental Science and Engineering - Compulsory Course

Credit: 4 ECTS: 6



Course Description: The "Solid Waste Management" course delves into the methods and practices of managing solid waste to minimize its environmental impact. Students will explore the various aspects of solid waste management, including waste sources, characteristics, collection, transport, recycling, landfilling, composting, and methanation. The course will provide a comprehensive understanding of how waste management practices can contribute to a more sustainable and environmentally responsible society. It includes in-person and online sessions, using lectures, discussions, research, and student presentations.

Course Outcomes:

- Understand the Sources and Characteristics of Solid Waste
- Explore Collection and Transport Methods
- Learn About Recycling and Resource Recovery
- Comprehend Landfilling and Landfill Reclamation
- Study Composting and Biomethanation
- Assess Waste Management Technologies
- Understand the Circular Economy
- Participate in Materials Recovery and Recycling

