

ENV201 Environmental Microbiology

Department of Environmental Science and Engineering Compulsory Course

Credit: 4 ECTS:6



Course Description: The course "Environmental Microbiology" provides a comprehensive understanding of microorganisms and their crucial role in environmental processes. It covers microbial diversity, characteristics of various microorganisms, carbon and energy flow, and their significance in environmental engineering. Emphasis is placed on applications in water and wastewater treatment systems and bioremediation techniques. By fostering independent work and original approaches, students will develop the skills to evaluate and apply microbiological concepts to real-world situations critically.

Course Outcomes:

- Master the concepts and theories of environmental microbiology.
- Analyze and validate related concepts and theories.
- Apply microbiological knowledge to real-life environmental applications.
- Develop original approaches to microbiological concepts.
- Evaluate work based on given criteria.
- Demonstrate the ability to work independently.

