



Politechnika Krakowska
im. Tadeusza Kościuszki

FACULTY: ENVIRONMENTAL ENGINEERING

COURSE TITLE: WATER AND WASTEWATER PROCESS TECHNOLOGY

Institute/Division: Institute of Water Supply and Environmental Protection, Chair of Environmental Technologies

Number of contact hours: 30 (Lectures, exercises, seminars)

Course duration: 1 semester (SPRING)

ECTS credits: 2

Course description: *The module is designed as a tool for understanding the principles of basic technological processes, which are a part of recent advances in water and wastewater treatment as well as others that take place within water and sewer lines. The module broads students' general knowledge on environmental chemistry, introducing, at the same time, some specific biochemical and physical processes occurring in water and wastewater technology. This way, the module sequence comprising: Environmental Chemistry, Unit Processes in Water and Wastewater Treatment Technologies and Water and Wastewater Treatment constitutes an integral unit, focusing on identification, understanding and application of water and wastewater treatment processes. Judging from the previous experiences on module implementation, such approach seems to be the most appropriate way of transfer from the environmental chemistry issues to the water and wastewater treatment problems. Moreover, the students who had finished the module and choose to specialize in other areas will have a sufficient theoretical background to continue their further education in the field of water supply and wastewater treatment.*

Literature: Barrow G. M.: Physical chemistry; Grady C. P. L.: Biological wastewater treatment

Assessment method: Attendance and the final exam

Primary target group: 3rd year students in Environmental Engineering programme, BSc(Undergraduate)

Lecturer: Małgorzata Cimochowicz-Rybicka, Ph.D. (Eng.), Małgorzata Kryłów, PhD

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Deadline for application: 1st February 2016