



Politechnika Krakowska
im. Tadeusza Kościuszki

FACULTY: ENVIRONMENTAL ENGINEERING

COURSE TITLE: SUSTAINABLE WASTEWATER TREATMENT

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

Number of contact hours: 30 (Lectures, exercises)

Course duration: 1 semester (SPRING)

ECTS credits: 2

Course description: *The module directly addresses the topic of sustainability in wastewater treatment systems. The students will be taught the fundamentals of sustainable designing and operation of wastewater treatment plants. They will be provided with the knowledge regarding multi-media interactions between the wastewater treatment plant and the environment and the method of its evaluation. These will be supplemented with cost-benefit analysis, basics of environmental accounting and risk evaluation methodologies. After the module the students will be able to design sustainable wastewater treatment systems, evaluate them, and provide recommendations for their improvement from sustainability perspective*

Literature: A list will be presented at the first lecture.

Assessment method: Attendance, exercises, final presentation

Primary target group: 2nd year students in M.SC. Programme in Environmental Engineering

Lecturer: Jerzy Mikosz, Ph.D.(Eng.)

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