

Title (Odpady i osady ściekowe)	Code 1010101261010130365
Field Environmental Engineering First-cycle Studies	Year / Semester 3 / 6
Specialty -	Course core
Hours Lectures: 2 Classes: - Laboratory: - Projects / seminars: 1	Number of credits 3
	Language polish

Lecturer:

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Faculty:

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Status of the course in the study program:

Core course.

Assumptions and objectives of the course:

Knowledge of processes and devices for waste solids neutralization and utilization. Ability of resolving waste solids management problems. Ability of rational planning in working place in community or county.

Contents of the course (course description):

Sorts and properties of waste-solids and their effect on environment. Waste solids utilization and disposal. Strategy and procedures in transformation and waste-solids management. Duties of waste-solids producers and receivers. Technical and organizing solutions and waste-solids collection and transportation. Waste-solids disposal, sanitary landfill, biological, thermal and special methods of waste-solids utilization. Releasing of waste-solids. International waste-solids trade.
Wastewater sludges management.

Introductory courses and the required pre-knowledge:

Environmental Chemistry, Environmental Biology and Ecology, Civil and Structural Engineering, Basics of Geotechnics, Geology and Hydrology.

Courses form and teaching methods:

Lectures (projector), projects.

Form and terms of complete the course - requirements and assessment methods:

Written tests, projects.

Basic Bibliography:

Additional Bibliography: