

Title (Technologie uciążliwe, odpady przem. i recykling)	Code 1010701361010720586
Field Environmental Protection Technologies	Year / Semester 3 / 6
Specialty -	Course core
Hours Lectures: 2 Classes: 2 Laboratory: - Projects / seminars: -	Number of credits 5
	Language polish

Lecturer:

Wiśniewski Maciej, Ph.,D.,Sc., professor PUT,
Institute of Chemical Technology and Engineering.
Pl. M. Skłodowskiej-Curie 2, 60-965 Poznań, tel. 665-3749
Maciej.Wisniewski@put.poznan.pl

Faculty:

Faculty of Chemical Technology
ul. Piotrowo 3
60-965 Poznań
tel. (061) 665-2351, fax. (061) 665-2852
e-mail: office_dctf@put.poznan.pl

Status of the course in the study program:

Obligatory.

Assumptions and objectives of the course:

Students will obtain knowledge about analysis of selected chemical technologies in respect of their noxiousness for the environment as well as problems regarding by-products utilization, recycling, the Environmental Protection and the waste management.

Contents of the course (course description):

Theoretical lectures reveal production structures of chemical products noxious for the environment. Main sources of pollution, descriptions of hazardous wastes, disadvantages of a wastes? treatment and methods of the pollution prevention are also presented. Students get familiar with economical aspects of the natural environment management.

Exercises allow to get knowledge extension concerning hazards connected with production and application of a technological processes, e.g. process of coking, high temperature carbonization, pyrometallurgy, galvanotechnics, organic halogen and nitro derivative production.

Introductory courses and the required pre-knowledge:

General knowledge about chemical technology.

Courses form and teaching methods:

Lectures, classes.

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

Evaluation of a report on a selected technological process completion, with an emphasis put on by-products and waste utilization, current exercise checking, permanent supervision during classes, final examination.

Basic Bibliography:

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Additional Bibliography:

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