

Title <b>(Inżynieria środowiska)</b>	Code <b>1010701131010710077</b>
Field <b>Chemical and Process Engineering</b>	Year / Semester <b>2 / 3</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>2</b> Classes: -    Laboratory: -    Projects / seminars: -	Number of credits <b>2</b>
	Language <b>polish</b>

**Lecturer:**

prof. dr hab. Elżbieta Frąckowiak  
Instytut Chemii i Elektrochemii Technicznej  
ul. Piotrowo 3  
60-965 Poznań  
tel. 61 665 3632, fax. 61 665 2571, 61 665 3791  
e-mail: Elzbieta.Frackowiak@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:**

Environmental Engineering

**Assumptions and objectives of the course:**

Students should be familiar with actual aspects of environmental protection (air, water and soil) and novel methods of biosphere protection and removal as well utilization of pollutions.

**Contents of the course (course description):**

Structure and function of ecosystem. Global aspects of anthropopression on environment and ecological equilibrium. Clean environment and ecological norms. Water and waste management. Properties and strategies of wastes utilization and neutralization. Internatinal wastes turnover. Soil pollution and its remediation. Origin, state and effects of air pollutions. Polish law regulations on air protection. Methods to limit atmospheric pollutions. Cleaning of waste gases. Goals and targets of environment monitoring. International cooperation in environmental protection. Environment pollutions and the human health.

**Introductory courses and the required pre-knowledge:**

Basic knowledge of environmental biology and general chemistry.

**Courses form and teaching methods:**

Multimedial lectures.

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

Written examination test.

**Basic Bibliography:**

-

**Additional Bibliography:**

-