

Level: bachelor				
Course title: Control of industrial waste streams				
Status: obligatory				
ECTS: 9				
Requirements: none				
Learning objectives Students learn to control emissions of industrial waste streams - waste water, solid and liquid waste and waste gases.				
Learning outcomes Students should be able to apply the necessary knowledge about the origin of waste materials in the production process, as well as the technological processes used to treat waste water and waste gas, in order to control the emissions of industrial waste streams.				
Syllabus <i>Theoretical instruction</i> The study of waste streams in the production process. Characteristics of waste streams: wastewater, solid and liquid waste and waste gases. Introduction to facilities for waste water, waste gas and waste treatment. Management systems for waste materials. Methods of disposal of treated wastewater, inactivated waste and treated waste gases. Reuse of waste materials. <i>Practical instruction</i> Practical instruction follows the theoretical one.				
Weekly teaching load				Other:
Lectures: 2 (30)	Exercises: 2 (30)	Other forms of teaching: 1 (30)	Student research:	