

Level: bachelor			
Course title: Control of emissions of industrial waste streams 2			
Status: obligatory			
ECTS: 6			
Requirements: -			
Learning objectives Students will learn to control emissions of industrial waste streams - waste water, solid and liquid waste and waste gases.			
Learning outcomes Upon successful completion of this course the student is 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 with wastewater, waste gas treatment and waste treatment plants in various industries. Control emission of industrial waste streams in the food industries (sugar, meat industry, farms, oil industry, starch industry), chemical industry, textile industry, pulp and paper industry, oil refineries, metal industry. <i>Practical instruction</i> Practical instruction follows the theoretical instruction.			
Weekly teaching load			Other:
Lectures: 3 (45)	Exercises: 4(60)	Other forms of teaching:	Student research: