

Level: Specialist studies				
Course title: Air protection (advanced course)				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives Students learn to control the quality of air and process waste gases.				
Learning outcomes Students acquire specialized knowledge of the composition and characteristics of the atmosphere, as well as on major pollutants and sources of air pollution, and methods of determining emission controls, in order to practice organized control of pollutant emissions and control air quality on a larger scale.				
Syllabus <i>Theoretical instruction</i> The study of the composition and properties of the atmosphere. Air pollutants. Natural and anthropogenic (stationary and mobile) sources of air pollution. Chemical processes in the atmosphere. Sources and consequence of the presence of ozone in the troposphere. Sources and characteristics of aerosols. Macro-effects of air pollution. Management of particulate matter and emission of gaseous pollutants. Legislation protecting air. <i>Practical instruction</i> Practical course follows the theoretical one.				
Weekly teaching load				Other:
Lectures: 2(30)	Exercises: 2(30)	Other forms of teaching:	Student research:	