

<b>Level:</b> bachelor				
<b>Course title:</b> Air protection				
<b>Status:</b> obligatory for OKK/elective for OZZS				
<b>ECTS:</b> 8				
<b>Requirements:</b> none				
<b>Learning objectives</b> Introducing students to the characteristics of the atmosphere and pollutants. Introduction to the control of air quality and process waste gases.				
<b>Learning outcomes</b> To obtain the necessary knowledge on the composition and characteristics of the atmosphere, as well as on major pollutants and sources of air pollution, methods of determining and controlling emissions. Training for organizing the control of pollutant emissions in practice and the protection of air.				
<b>Syllabus</b> <i>Theoretical instruction</i> The study of the composition and properties of the atmosphere, as well as the major air pollutants. Defining natural and anthropogenic (stationary and mobile) sources of air pollution, the basic processes in the atmosphere, the sources and consequences of the presence of ozone in the troposphere, the sources and characteristics of aerosols. Analysis of macro-effects of air pollution. Management of particulate matter and emission of gaseous pollutants. The study of the management and control of emissions of pollutants. Legal regulations of air protection.  <i>Practical instruction</i> Practical instruction follows the theoretical one.				
<b>Weekly teaching load</b>				Other:
Lectures: 3 (45)	Exercises: AV 1(15) LV 2 (30)	Other forms of teaching: 1 (15)	Student research:	