

Level: PhD				
Course title: Advanced Course of Atmospheric Chemistry				
Status: elective				
ECTS: 15				
Requirements: master studies				
Learning objectives Obtaining modern knowledge related to the chemical properties of constituents of the atmosphere.				
Learning outcomes After taking the course, the student should have developed: General abilities: basic knowledge of this field, following the literature, analysis of various solutions and the choice of the most adequate solution, application in practice and other subjects. Subject-specific abilities: capability of scientifically based understanding of the behaviour of elements and compounds in the atmosphere and their influence to atmospheric processes.				
Syllabus <i>Theoretical instruction</i> Atmospheric pressure. Simple models. Atmospheric transport. Global biochemical cycles. Chemical climate forcing. Chemistry of the stratosphere. Global chemistry of troposphere. Ozone pollution. Aerosole chemistry. Mercury in the environment. <i>Practical instruction</i> Seminars.				
Weekly teaching load				Other:
Lectures: 4	Exercises:	Other forms of teaching:	Student research: 6	