

Level: bachelor				
Course title: Chromatographic methods in environmental analysis				
Status: elective				
ECTS: 6				
Requirements: none				
Learning objectives Introducing students to chromatographic methods and their application in environmental analysis.				
Learning outcomes Training students to independently apply chromatographic techniques in the analysis of the environment, starting from sample preparation to providing reports on the performed chromatographic analysis.				
Syllabus <i>Theoretical instruction</i> Fundamentals of chromatographic analysis. Preservation of environmental samples and preparation techniques for chromatographic analysis. Basics of gas chromatography. Detectors in gas chromatography. Basics of liquid chromatography. Detectors in liquid chromatography. Application of chromatographic techniques in qualitative and quantitative analysis of the environment. <i>Practical instruction</i> Practical instructions are in compliance with theoretical instructions.				
Weekly teaching load				Other: /
Lectures: 2	Exercises: 1	Other forms of teaching: 3	Student research: /	