

Level: Specialist academic studies of chemistry				
Course title: Advanced course of chromatographic methods				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives To provide students with specialized theoretical and practical knowledge of chromatographic separation methods.				
Learning outcomes Master the specialized knowledge that will enable selection, implementation and optimization of chromatographic separation methods.				
Syllabus <i>Theoretical instruction</i> Optimization of chromatographic systems and specialist knowledge. Comparison of chromatographic techniques. Qualitative and quantitative analysis. Liquid chromatography. Planar chromatography. Stationary phase. Mobile phase. Apparatus and procedures. Ion-exchange chromatography. High performance ion chromatography. Chromatography seeding. Affinity chromatography. Coupled chromatographic techniques. Special techniques. <i>Practical instruction</i> Practical instruction follows the theoretical one.				
Weekly teaching load				Other:
Lectures: 2	Exercises:	Other forms of teaching: 2	Student research:	