

Level: Specialist academic studies of chemistry				
Course title: Chemical Analysis of Selected Materials				
Status: elective				
ECTS: 15				
Requirements: none				
Learning objectives To enable the students directed to analytical chemistry research to get informed about the recent directives and standard methods of analysis of various materials on their own choice.				
Learning outcomes Getting skilled for theoretical and practical solutions of modern quality control problems using advanced and standard analyses of the chosen material.				
Syllabus <i>Theoretical instruction</i> Actual problems in chemical quality control. Legislation in this field. A survey of modern methods of analysis of a selected material by choice of a student (raw material, half-products and waste materials) in various industries, for example: petrochemistry, chemical, pharmaceutical, metallurgy, food industry, etc. Analyses of cattle food. Analyses of fuel and gases. <i>Project:</i> search of literature and writing an essay about particular analytical subject related to the chosen material.				
Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	