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| Level: PhD | | | | |
| Course title: Chemical Analysis of Selected Materials (DSH-717) | | | | |
| Status: Elective | | | | |
| ECTS: 15 | | | | |
| Requirements: None | | | | |
| Learning objectives To enable students for analytical chemistry research to get informed about the recent directives and standard methods of analysis of various materials. | | | | |
| Learning outcomes Getting skilled for theoretical and practical solution of modern quality control problems using advanced and standard analyses of a 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 | |