Level: Specialist studies in chemistry

Course title: Advanced Course of Electroanalytical Chemistry

Status: elective

ECTS: 5

Requirements: none

Learning objectives

Providing insight into trends of electroanalytical chemistry. Teaching students to select specific methods of electroanalytical chemistry and to apply them in solving complex analytical problems.

Learning outcomes

Mastering the necessary knowledge which will enable understanding and solving concrete problems in modern electroanalytical chemistry.

Syllabus

Theoretical instruction

The directions of development of electroanalytical chemistry. Trends in instrumentation in electroanalytical chemistry. New materials in electroanalytical chemistry. Selected specific methods of electroanalytical chemistry. Application of the selected electroanalytical methods in solving complex analytical problems.

Practical instruction

Performance comparison of various electroanalytical techniques for the characterization and determination of metal ions and selected organic molecules. Electroanalytical determinations in the presence of complex matrices.

Weekly teaching load				Other:
Lectures: 2	Exercises: /	Other forms of teaching: 2	Student research:	