

Title (Chemia analityczna)	Code 1010704231010710453
Field Chemical Technology	Year / Semester 2 / 3
Specialty -	Course core
Hours Lectures: 2 Classes: - Laboratory: 5 Projects / seminars: -	Number of credits 8
	Language polish

Lecturer:

prof.dr hab. Jan Kurzawa

Faculty:

Faculty of Chemical Technology
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Status of the course in the study program:

-Fundamental subject

Assumptions and objectives of the course:

-The student should obtain knowledge in the principles of modern analytical chemistry, in volumetric methods, acid-base equilibria, redox titration, complexometric titration, and precipitation titration. The theoretical fundamentals, calculations, and applications in chemical analysis are studied in each field.

Contents of the course (course description):

-Fundamental laws, equilibrium constant, dissociation constant and degree of dissociation, chemical activity and ionic strength, chemical calculations, dissolution and precipitation equilibrium, properties of acids and bases, buffer solutions, oxidation-reduction reactions, complexometric reactions, laboratory training.

Introductory courses and the required pre-knowledge:

-Principles of chemistry from high school and I-st year.

Courses form and teaching methods:

-Lectures and laboratory course

Form and terms of complete the course - requirements and assessment methods:

-Tests in the laboratory, final oral or written examination

Basic Bibliography:

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Additional Bibliography:

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