Title	Code
(Chemia analityczna)	**1010701321010710554**
Field: **Environmental Protection Technologies**	Year / Semester: **1 / 2**
Specialty: **-**	Course: **core**
Hours: Lectures: **2** Classes: **-** Laboratory: **-** Projects / seminars: **-**	Number of credits: **2**
	Language: **polish**

Lecturer:

prof. dr hab. Jan Kurzawa
Instytut Chemii i Elektrochemii Technicznej

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 gain 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:

-Fundamentals of chemistry absorbed in a high school.

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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