

Title Instrumental Analysis	Code 1010701331010710562
Field Environmental Protection Technologies	Year / Semester 2 / 3
Specialty -	Course core
Hours Lectures: 1 Classes: - Laboratory: - Projects / seminars: -	Number of credits 2
	Language polish

Lecturer:

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Status of the course in the study program:

-Basic course

Assumptions and objectives of the course:

-Main characteristics of instrumental methods of chemical analysis for determination of elements and compounds: sensitivity, detection limit, analytical range, accuracy, selectivity. Validation of the method and procedure. Instrumentation for the analytical procedure.

Contents of the course (course description):

-Main characteristics of methods for determination: sensitivity, detection limit, analytical range, precision, accuracy, selectivity. Physical methods of analysis: electrochemical methods, methods of atomic optical spectroscopy, chromatography

Introductory courses and the required pre-knowledge:

-Basic knowledge of analytical chemistry

Courses form and teaching methods:

-Lectures, laboratory - individual work with students

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

-Evaluation of the experimental skills and the written reports, final exam (oral or written)

Basic Bibliography:

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Additional Bibliography:

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