

Title Sampling and Sample Preparation	Code 1010702311010710733
Field Technologie ochrony środowiska - stacjonarne II stopnia	Year / Semester 1 / 1
Specialty Monitoring	Course core
Hours Lectures: 1 Classes: - Laboratory: 2 Projects / seminars: -	Number of credits 3
	Language polish

Lecturer:

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Status of the course in the study program:

-Basic course

Assumptions and objectives of the course:

-Choosing a method of sampling and sample preparation. Representativeness of a sample, sampling devices. Transportation, Obtaining on analytical form

Contents of the course (course description):

-Representativeness of a sample: sample and analyte; sample and method of analysis. Storage of samples; sampling devices. Transportation. Main operations for converting samples into a form suitable for analysis: digestion, dissolution and decomposition, dry and wet ashing. Utilization of microwave heating in laboratory. Methods for avoiding of contamination and losses of components during sample preparation.

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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