Level: bachelor/master	

Course title: Statistics

Status: elective

ECTS: 5

Requirements: none

Learning objectives

Students will learn the basic notions in statistics and their applications in chemistry.

Learning outcomes

Students will learn to manage the statistical data, solve statistical problems, to estimate the population parameters, to test statistical hypothesis on problems in chemistry.

Syllabus

Theoretical instruction

Representing the population data. Numerical characteristics of statistical variables. Theoretical distributions. Sample, statistics. Parameter estimates. Hypothesis testing. Correlation and regression.

Practical instruction

Representing the population data. Numerical characteristics of statistical variables. Theoretical distributions. Sample, statistics. Parameter estimates. Hypothesis testing. Correlation and regression.

Literature

1. Z. Lozanov-Crvenković: *Statistika*, PMF, Novi Sad, 2012.
2. B. Popović: *Matematička statistika i statističko modelovanje*, PMF Niš, 2002

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