

**Data Treatment in Chemical Analysis for Biotechnology - lecture + exercises (30h + 30 h, ECTS 4, written exam)**

Ability to plan experiments and to process, analyze, plot and present the obtained data. Planning of experiments, treatment and transformation of experimental data, statistical data analysis, modeling of dependencies, presentation of data, elements of chemometrics  
Exercises: Statistical tests, error analysis, estimation of uncertainty, regression analysis, contemporary measurement systems, errors in chemical experiments, computer interfaces, laboratory information measurement systems, software used for data acquisition