

**Course name: Biochemical methods in clinical analysis** (USOS Code: B-BM.082Eng)

**ECTS:** 4

**No. of hours:** 45 (15 lectures + 30 classes)

**Course coordinator:** Dr hab. Marcin Grąz, prof. UMCS

**Prerequisites:** Completed course in Biochemistry

**Course description:** Organization of work in the laboratory. Stages of the analytical process. Processing of obtained results. Types of measurement errors. Standardization of research. Validation of analytical method. The use of enzymes in medical analytics. Fundamentals of electrophoretic, chromatographic and spectroscopic methods and its use in medical analytics.

**Recommended literature:** Wilson K., Walker J. Principles and techniques of biochemistry and molecular biology. Cambridge University Press, 2005.