Subject:	ANALYTICAL METHODS IN BIOCHEMISTRY		
Field of study:	General Medicine	Degree of study:	III.
Study programme:	Clinical Biochemistry	Form of study:	Internal / External
Subject evaluation:	Exam	Subject type:	Compulsory optional

Department: Department of Medical and Clinical Biochemistry UPJŠ Faculty of Medicine

Lectures, seminars and practical exercises	
Laboratory techniques Quantitative analysis Qualitative and quantitative analysis Separation techniques - centrifugation, ultrafiltration Practical exercises	
Optical methods Spectrophotometry Fluorescence techniques Determination of the concentration of an unknown substance Practical exercises	
Isolation techniques - Protein isolation - DNA and RNA isolation - Determination of the concentration of isolated substances Practical exercises	1. Revision test
Electrophoretic techniques Agarose electrophoresis PAGE Practical exercises	
 Physico-chemical methods of separation and detection of substance Chromatographic methods HPLC, FPLC Mass spectrometry Practical exercises 	S
Immunoanalytical methods ELISA RIA EIA Practical exercises	2. Revision test