

## **CLINICAL BIOCHEMISTRY – bachelor study**

### Syllabus

Introduction to clinical biochemistry. The role of clinical biochemistry in medicine  
Essentials of sugar metabolism and its disturbances  
Essentials of lipid metabolism and its disturbances  
Essentials of protein (amino acid) metabolism and its disturbances  
Regulation of metabolism and role of hormones (control test)  
Analytical methods in clinical biochemistry  
Blood plasma, serum and urine – basic biological materials  
Composition and examination of urine  
Enzymatic activity and heart disease diagnostics  
Clinico-biochemical diagnostics of drug use (control test)  
ABB and biochemistry of internal environment  
Biochemical diagnostics of kidney function impairment  
Biochemical diagnostics of gastrointestinal tract – liver, pancreas  
Biochemical diagnostics of metabolic diseases (control test)