

## Course description

### Part 1

General information about the course			
1. Major of study: medicine		2. Study level: unified MSc	
		3. Form of study: intramural	
4. Year: IV		5. Semester: VII	
6. Course name: Clinical Analysis			
7. Course status: required			
8. Course objectives			
The subject aims is to approximate the issue of laboratory diagnostics and physical examination in the diagnosis of underlying diseases in patients. On labs and seminars students will learn about basic clinical symptoms of kidney diseases, electrolyte imbalances, acid-base homeostasis disorders, common endocrine diseases, diabetes as well as types of biological materials used in laboratory diagnostic and the rules for the collection of materials. In practical side, students will be taking case history in advanced level in patients with kidney diseases, electrolyte imbalances, acid-base homeostasis disorders, common endocrine diseases, diabetes and will planning laboratory investigators.			
Learning outcomes / reference to learning outcomes indicated in (underline as appropriate): <u>education standards (Regulation of the Ministry of Science and Higher Education)</u> / Resolution of the Senate of the Medical University of Silesia (indicate terms specified in education standards / signs of learning outcomes approved by the Resolution of the Senate of the Medical University of Silesia) For knowledge student knows and understands: E.W7., E.W.40, E.W41 For skills student can do: E.U1, E.U12, E.U16, E.U28, E.W29 For social competencies student is ready to: D.W18, D.U12, D.U13, D.U16			
9. Number of hours for the course		45	10. Number of ECTS points for the course
			3
11. Form of evaluation: grade credit			
12. Methods of verification and evaluation of learning outcomes			
Learning outcomes	Methods of verification	Methods of evaluation*/ credit	
Knowledge	Grade credit – MCQ	*Over 90% correct answers – grade A 75-90% correct answers – grade B 60-75% correct answers – grade C Less than 60% correct answers – grade F	
Skills	Observation Practical exam	*Active participation in labs and seminars and 3 of 5 correct procedures on practical exam to pass	
Competencies	Observation	*	

\* For exams and grade credits the following evaluation system has been assumed:

**Very good (5,0)** – the assumed learning outcomes have been achieved and significantly exceed the required level

**Better than good (4,5)** – the assumed learning outcomes have been achieved and slightly exceed the required level

**Good (4,0)** – the assumed learning outcomes have been achieved at the required level

**Better than satisfactory (3,5)** – the assumed learning outcomes have been achieved at the average required level

**Satisfactory (3,0)** – the assumed learning outcomes have been achieved at the minimum required level

**Unsatisfactory (2,0)** – the assumed learning outcomes have not been achieved