

## Course description

General information about the course		
<b>1. Major of study:</b> medicine	<b>2. Study level:</b> unified MSc	
	<b>3. Form of study:</b> intramural	
<b>4. Year:</b> III	<b>5. Semester:</b> V	
<b>6. Course name:</b> Biochemistry with elements of chemistry V		
<b>7. Course status:</b> required		
<b>8. Course contents and assigned learning outcomes</b>		
<ol style="list-style-type: none"> <li>1. Student uses modern analytical techniques that can be used to evaluate the patient's condition.</li> <li>2. Student knows basic biochemical processes in the body and knows how to correlate them with the state of the patient.</li> <li>3. Student interprets the function and regulation of the metabolism of carbohydrates, proteins, lipids, and nucleic acids in physiological conditions as well as the changes that occur in disease.</li> <li>4. Student knows the most common metabolic diseases and disorders.</li> <li>5. Student has the ability to identify potential targets of therapy and therapeutic activities.</li> </ol> <p>Learning outcomes / reference to learning outcomes indicated in the standards            For knowledge – student knows and understands:            B.W10.;B.W11.;B.W12.;B.W13.;B.W14.;B.W15.;B.W16.;B.W17.;C.W.34.;C.W.47.;C.W48.;C.W49.;C.W51.;</p> <p>For skills student can do: B.U3.;B.U6.;B.U8.;B.U9.;</p> <p>For social competencies student is ready to:            formulate conclusions based on own measurements or observations            implement the principles of professional behavior and cooperation in a multicultural team            communicate and cooperate with colleagues during experiments</p>		
<b>9. Number of hours for the course</b>		<b>120</b>
<b>10. Number of ECTS points for the course</b>		<b>10</b>
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Grade credit – MCQ	*
Skills	Report Observation	*
Competencies	Observation	*

\* 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