

## 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> I	<b>5. Semester:</b> I, II	
<b>6. Course name:</b> General physics I + II		
<b>7. Course status:</b> required		
<p><b>8. Course contents and assigned learning outcomes:</b>            Knows the laws of physics. Understands and applies in practice selected concepts and laws of physics and biophysics. Uses the laws of physics and biophysics to describe issues in the field of cell and tissue biology and physiological processes. Knows the role of physical and biophysical environmental factors in creating, developing and shaping the phenomenon of life. He knows the mechanisms and effects of the impact of physical and biophysical environmental factors (natural and artificially created by man) on the human body at various stages of its development and different periods of life. Knows the theoretical foundations and uses in practice physical laws and phenomena as well as biophysical regularities (in medical diagnostics, prevention and treatment). Knows the principles of operation of diagnostic and therapeutic equipment (on selected examples). Knows selected measuring instruments and physical apparatus. Is able to use selected measuring instruments and physical apparatus. Uses the laws of physics and biophysics to describe issues in the field of cell and tissue biology and physiological processes.</p> <p><b>Learning outcomes / reference to learning outcomes indicated in the standards</b>            For knowledge – student knows and understands: B.W5,B.W6,B.W7,B.W8, B.W9            For skills student can do : B.U1,B.U2, B.U9            For social competencies student is ready to: K.4</p>		
<b>9. Number of hours for the course</b>		<b>80</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*
<b>Knowledge</b>	Written evaluation – open questions Grade credit – MCQ <b>Summary methods:</b> Written exam / test exam	<ul style="list-style-type: none"> <li>• Very good (5,0)</li> <li>• Better than good (4,5)</li> <li>• Good (4,0)</li> <li>• Better than satisfactory (3,5)</li> <li>• Satisfactory (3,0)</li> <li>• Unstatisfactory (2,0)</li> </ul>
<b>Skills</b>	Observation	
<b>Competencies</b>	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