

<b>Title:</b>	<b>Endocrinology</b>
<b>Lecture hours:</b>	20
<b>Study period: (summer/winter)</b>	<b>winter</b>
<b>Number of credits:</b>	2.00
<b>Assessment methods:</b>	Written test, scored questions Grading criteria: 91-100% - 5.0 81-90% - 4.5 71-80% - 4.0 61-70% - 3.5 51-60% - 3.0 ≤ 50% of the points - 2.0
<b>Language of instruction:</b>	English
<b>Prerequisites:</b>	knowledge of basic biochemistry, physiology of organisms
<b>Course content:</b>	<ul style="list-style-type: none"> <li>- Biosynthesis and metabolism of hormones. Principles of action of hormones and regulation of their release</li> <li>- Thyroid, structure and functions of the thyroid gland, the mechanism of action of thyroid hormones on cells</li> <li>- Hypothalamus, pituitary, body growth and development</li> <li>- Regulation of calcium economy</li> <li>- Adrenal glands</li> <li>- Pancreas, diabetes and obesity</li> <li>- Puberty, female and male sex hormones, pregnancy</li> <li>- Tissue hormones</li> <li>- Aging of the body</li> <li>- Diagnosis of endocrine diseases</li> <li>- Rehabilitation in endocrinology</li> </ul>
<b>Learning outcomes:</b>	<p>W01. Student has knowledge of hormonal regulation of physiological processes occurring in the human body. He/she can classify hormones and knows the mechanisms of their action [K_W01, K_W04, K_W05].</p> <p>W02. Student characterizes endocrine glands and the most common diseases associated with this system. Applies knowledge of endocrine diseases [K_W10].</p>
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<b>Contact (email address):</b>	katarzyna.lubiech@ukw.edu.pl
<b>Literature:</b>	<ul style="list-style-type: none"> <li>• David G. Gardner, Dolores M. Shoback, Greenspan's Basic and Clinical Endocrinology. McGraw-Hill Education Ltd. 2017</li> <li>• Brook C., Marshall N. Essential Endocrinology. Blackwell Publishing. 2001</li> <li>• Robertson R.P. DeGroot's Endocrinology, 8th Edition Basic Science and Clinical Practice. Elsevier. 2023</li> <li>• Nussey S. Whitehead S. Endocrinology An Integrated Approach BIOS Scientific Publishers; 2001</li> <li>• O'Neill R., Murphy R. c Crash Course Endocrinology: 4th edition, Elsevier Health Sciences. 2015</li> </ul>