

Information sheet for the course Physiology

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>FYZ/d</i>	Course unit title: <i>Physiology</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 1 hour weekly/13 hours per semester of study; full-time</i>	
Number of credits: <i>2</i>	
Recommended semester: <i>3rd semester in the 2nd year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>During semester student can get 50 points</i> <ul style="list-style-type: none"> - <i>Test (20 points)</i> - <i>Oral examination (30 points)</i> <i>For assesment A is necessary get at least 48 points, for B at least 44 points, for C at least 41 points, for D at least 38 points and for E minimum 35 points.</i>	
Learning outcomes of the course unit: <i>After completing the course the student is able to:</i> <ul style="list-style-type: none"> - <i>define the basic concepts of physiology to explain the functions of the human body,</i> - <i>explain the context and relationships of individual systems,</i> - <i>compare the differences in the regulation of the nervous system and the endocrine system.</i> 	
Course contents: <ol style="list-style-type: none"> 1. <i>Introduction to physiology - definition.</i> 2. <i>Physiological principles</i> 3. <i>General neurophysiology</i> 4. <i>Physiology of muscles</i> 5. <i>Physiology of blood</i> 6. <i>Physiology of blood circulation</i> 7. <i>Physiology of respiration</i> 8. <i>Physiology of digestion and absorption</i> 9. <i>Physiology of excretion</i> 10. <i>Thermoregulation, acid-base balance</i> 11. <i>Physiology of the CNS, sensory and motor nervous system</i> 12. <i>Physiology of the immune system, physiology of physical effort</i> 13. <i>Physiology of endocrine glands</i> 	
Recommended of required reading: <ol style="list-style-type: none"> 1. <i>KITTNAR, O. a kol. 2011. Lékařská fyziologie. Grada Publishing, a.s., 2011. 790 s. ISBN 978-80-247-3068-4.</i> 2. <i>SCHMIDT, R. F. 1993. Memorix Fyziologie. 1993. Scientia Medica, spol. s r.o., 1993. 310s. ISBN 80-85526-18-2.</i> 3. <i>MASÁR, O., MALINA, A. 2006. Fyziológia pre nelekárske odbory. Trenčín 2006. 112 s.</i> 	
Language: <i>Slovak</i>	
Remarks:	
Evaluation history: <i>Number of evaluated students</i>	

Lectures: prof. MUDr. Adriana Ondrušová, PhD.					
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Supervisor: doc. MUDr. Mária Štefkovičová, PhD., MPH.					