

## Information sheet for the course Anatomy II.

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>	
<b>Faculty:</b> <i>Faculty of Health Care</i>	
<b>Course unit code:</b> <i>ANAT2/e</i>	<b>Course unit title:</b> <i>Anatomy II.</i>
<b>Type of course unit:</b> <i>compulsory</i>	
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 2 hours weekly/26 hours per semester of study; full-time</i>	
<b>Number of credits:</b> <i>3</i>	
<b>Recommended semester:</b> <i>2<sup>nd</sup> semester in the 1<sup>st</sup> year (part-time)</i>	
<b>Degree of study:</b> <i>I (bachelor)</i>	
<b>Course prerequisites:</b> <i>Anatomy I.</i>	
<b>Assessment methods:</b> <i>Written or oral examination (50 score points) - for obtaining the particular grades it is necessary to achieve:</i> <i>at least 45 score points for the grade A</i> <i>at least 40 score points for the grade B</i> <i>at least 35 score points for the grade C</i> <i>at least 30 score points for the grade D</i> <i>at least 25 score points for the grade E</i>	
<b>Learning outcomes of the course unit:</b> <i>The student will acquire knowledge by studying the subject, objectives and tasks of anatomy, its interdisciplinary position and a brief history. Student can explain the basic concepts of functional morphology and describe plane directions, surface topography and demonstrate knowledge of anatomical nomenclature and Latin terminology. The student will be able to demonstrate knowledge of the anatomy of passive and active components, musculoskeletal disorders and the central and peripheral nervous system. The student knows the structure and management of the cardiovascular, respiratory, digestive, excretory, reproductive, endocrine, autonomic nervous system, the regulatory systems of the body and sense organs.</i>	
<b>Course contents:</b> <ol style="list-style-type: none"> <li><i>1. Musculoskeletal system - basic concepts. Musculoskeletal system - special section.</i></li> <li><i>2. The management of body. Cloth, nervous, immune system.</i></li> <li><i>3. Nervous system. Central nervous system - the spinal cord, brainstem reticular formation, cerebellum, midbrain, Diencephalon, forebrain, basal ganglia, cerebral cortex, it cytoarchitektonika, gyrification, the limbic system.</i></li> <li><i>4. Ventricles, cerebrospinal fluid and its circulation, brain packaging.</i></li> <li><i>5. Blood supply the CNS. Lanes central nervous system. Cranial nerves.</i></li> <li><i>6. The peripheral nervous system. Autonomic nervous system.</i></li> <li><i>7. Endocrine system. Pituitary, adrenal, thyroid, parathyroid, pancreas, gonads, pineal, thymus.</i></li> <li><i>8. Cardiovascular system. Body fluids, function and composition of blood, lymph, homeostasis, immunity.</i></li> <li><i>9. Anatomy of the heart, blood flow rate, systolic and cardiac output, blood supply of the heart muscle, control of cardiac activity, transmission system cardiac innervation of the heart and ECG.</i></li> <li><i>10. Circulation, survey vessels, blood circulation, lymph circulation.</i></li> <li><i>11. Digestive System. Construction digestive tract, liver, bile, pancreas, digestive juices.</i></li> <li><i>12. Reproductive system. Thermoregulation. Formation and regulation of heat poikilothermy and homiothermy, fever, hypothermia.</i></li> </ol>	

13. *Senses. Visual, auditory, olfactory, gustatory and tactile. Specific sensations (touch and pressure, muscle tension, position and movement of the body; pain;)*

**Recommended of required reading:**

1. *BENUŠKA, J. a kol. Anatomia pre nelekárske študijné odbory 1. Bratislava: UK, 2005. 148 p.*
2. *BENUŠKA, J. a kol. Anatomia pre nelekárske študijné odbory 2. Bratislava: UK, 2005. 133 p.*
3. *MELLOVÁ, Y., HEŠKOVÁ, G., VÝBOHOVÁ, D., MELLO, M., KUNERTOVÁ, L., MARČEKOVÁ, M. Anatomia človeka pre nelekárske študijné programy. Martin: Osveta, 2010, 183 p. ISBN 978-80-8063-335-6.*
4. *DYLEVSKÝ, I. Somatológia. Martin: Osveta, 2003. 439 p. ISBN 80-8063-127-1.*
5. *ČIHÁK, R. Anatomie 1. Praha: Grada Publishing 2013. 552 p. ISBN 978-80-247-3817-8.*
6. *ČIHÁK, R. Anatomie 2. Praha: Grada Publishing, 2013. 512 p. ISBN 978-80-247-4788-0.*
7. *ČIHÁK, R. Anatomie 3. Praha: Grada Publishing, 2013. 692 p. ISBN 978-80-247-1132-4.*
8. *NETTER FRANK H. Anatomický atlas človeka. Praha: Grada Publishing, 2005. 628 p. ISBN 80-247-1153-2.*
9. *LOVÁSOVÁ, K. – KLUCHOVÁ, D. Nový pohľad na topografiu štruktúr sluchového orgánu. Slovenský lekár. Máj-jún 2009: 105-109.*
10. *Osteologický Bulletin 1999, č.1, roč. 6, p.102 – 117.*
11. *Osteologický Bulletin 2001, č. 1, roč. 6, p. 2 – 45*
12. *KUBÍKOVÁ, E. - HIRJAK, D. - HISHAM EL FALOUGY, GMITTEROVÁ, K., – VARGA, I: Elongácia processus styloideus a osifikované ligamentum styloideum u 28-ročného muža. Medicínsky Monitor, 2009, 2, p. 1 –5.*
13. *PAVLOVČINOVÁ, G. Cerumen a hygiena zvukovodov. Edukafarm medinews, 2008, 1: 32.*
14. *BARTONÍČEK, J. - DŽUPA, V. - SKÁLA-ROSENBAUM, J., – DOUŠA, P., – PAZDÍREK, P: Zlomeniny proximálneho femuru. Postgrad Med, 2005, 7, 5: 485 – 490.*
15. *HUTCHINSON MAT ET AL. Lidské tělo. Obrazový atlas latinsko – česko – anglický. C-Press, Brno 2007, 142 p. ISBN 80-251-0662-4.*

**Language:** Slovak

**Remarks:** -

**Evaluation history:** Number of evaluated students - 765

A	B	C	D	E	FX
15.29%	21.31%	18.56%	18.82%	20.39%	5.62%

**Lectures:** doc. MUDr. Jana Slobodníková, CSc.

**Last modification:** 22.04.2014

**Supervisor:** doc. MUDr. Juraj Čelko, CSc.