

## Information sheet for the course Histology and histological methods in histopathology

<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>HVMH/d</i>	<b>Course unit title:</b> <i>Histology and histological methods in histopathology</i>
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 2 hour weekly/26 hours per semester of study; full-time</i>	
<b>Number of credits:</b> <i>4</i>	
<b>Recommended semester:</b> <i>5<sup>th</sup> semester in the 3<sup>rd</sup> year (full-time)</i>	
<b>Degree of study:</b> <i>I (bachelor)</i>	
<b>Course prerequisites:</b> <i>none</i>	
<b>Assessment methods:</b> <i>To obtain credits for the course, a student must pass an oral or written examination (50 points). To obtain A, a student must score at least 45 points, to obtain B, a student must score at least 40 points, to obtain C, a student must obtain at least 35 points, to obtain D, a student must obtain at least 30 points, and finally to obtain E, a students must to obtain at least 25 points.</i>	
<b>Learning outcomes of the course unit:</b> <i>A student has basic knowledge of the microscopic structure of cells and tissues, shape and size of the cells, the cell membrane, nucleus, nucleolus, mitochondria, Golgi apparatus, lysosomes, pigments, fatty vacuoles, cell connections, mitosis. Has a knowledge of epithelium, the supporting and connective tissue, blood, muscle tissue and nervous tissue.</i>	
<b>Course contents:</b> <ol style="list-style-type: none"> <li>1. <i>Introduction to histology.</i></li> <li>2. <i>Cells, cell organelles.</i></li> <li>3. <i>Cytology.</i></li> <li>4. <i>Tissues - epithelial, connective, nervous, blood, structure, cellular and subcellular components.</i></li> <li>5. <i>The histological structure of system organs.</i></li> <li>6. <i>Cardiovascular System.</i></li> <li>7. <i>Heart and blood vessels construction</i></li> <li>8. <i>Digestive system</i></li> <li>9. <i>Histological description of the liver and pancreas.</i></li> <li>10. <i>Respiratory system, histological structure of the airways and lung tissue.</i></li> <li>11. <i>Urogenital system, histological structure, spermatogenesis, menstrual cycle.</i></li> <li>12. <i>Endocrine glands, structure, functional activity.</i></li> <li>13. <i>Skin, and skin appendages.</i></li> </ol>	
<b>Recommended of required reading:</b> <ol style="list-style-type: none"> <li>1. <i>VACEK Z., Histológia a histologická technika. Brno. NCONZO, 1995. 184 s. ISBN 978-80-7013-202-9.</i></li> <li>2. <i>LOJDA, Z. A KOL. Základy histochemického průkazu enzymů . Brno: Ústav pro další vdelávání zdravotnických pracovníků. 1980.</i></li> <li>3. <i>LÜLLMANN-RAUCH R. Histologie. Překlad 3. vydání. Grada, Praha, 2012.</i></li> <li>4. <i>GOMOLČÁK, P. Základy imunohistochemie v patológii. – Brno: Institut pro další vzdělávání pracovníků ve zdravotnictví v Brně. 1997. ISBN 80-7013-239-6.</i></li> <li>5. <i>NYKLÍČEK, O. - J. SLOBODA, J. Cytodiagnostika pro SZP. 1990. 223s.</i></li> <li>6. <i>KONRÁDOVÁ V., UHLÍK J., VAJNER L.: Funkční histologie. H+H Jinočany 1998.</i></li> </ol>	

7. LICHNOVSKÝ V. ET AL. *Základy histologie pro bakaláře*. LF UP Olomouc, 1997.
8. BERKOVITZ, B.K.B. – HOLLAND, G.R.: *Colour Atlas and Textbook of Oral Anatomy, Histology and Embryology 3rd Edition*, Elsevier Science 2005
9. JIRKOVSKÁ M., JIRSOVÁ Z., MARTÍNEK J.: *Testové otázky z histologie a embryologie*. Univerzita Karlova, Praha, (1997).

**Language:** *Slovak*

**Remarks:**

**Jazyk, ktorého znalosť je potrebná na absolvovanie predmetu:** slovenský

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

a	b	c	d	e	f
-	-	-	-	-	-

**Lectures:** *doc. MUDr. Ján Porubský, CSc.*

**Last modification:** *22.4.2014*

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