

Subject:	ANATOMY WITH HISTOLOGY
Study Program:	Three-year professional studies for graduate nurses/medical technicians
Code:	SM S/T-114
Academic Year:	First
Semester:	First
Total Classes:	65
Credits:	4
Type of Subject:	Compulsory
Prerequisite:	No
Conducted by:	Department of Anatomy, Department of Histology
Professor in Charge:	Angja Strateska-Zafiroska, Ph.D.; Prof. Liljana Milenkova
Address:	Institute of Anatomy, Institut of Histology Faculty of Medicine, No. 6, "50 Divizija" Street, 1 000 Skopje tel: + 389 389 2 3125 304;
Key Words:	Studies for nurses and medical technicians, basic subjects, anatomy, histology
Teaching Goals:	<ul style="list-style-type: none"> - Comprehension of the basic macroscopic structure of the human body - Comprehension of the microscopic structure of the human organs and tissues - Use of specialized terminology
Content Summary	<p>Theoretical lessons:</p> <p>Anatomy (40 classes)</p> <ul style="list-style-type: none"> - Basic terminology in anatomy - Introduction to anatomy, types of anatomy, anatomical nomenclature - Anatomy of organ systems: <ul style="list-style-type: none"> - locomotor system - respiratory system - cardiovascular system - digestive system - urogenital system - endocrine glands - sensory organs - peripheral and central nervous system <p>Histology (10 classes)</p> <ul style="list-style-type: none"> - Structural characteristics of the eukaryotic cells - Structural characteristics of the tissues - Histological structure of certain organic systems (cardiovascular, respiratory, urinary, digestive and immunological systems) <p>Practical lessons:</p> <p>Anatomy (10 classes)</p> <ul style="list-style-type: none"> - Observation of bones, joints and muscles of the upper and lower extremities, the head and the torso - Topographical anatomy of the thorax, stomach and pelvis <p>Histology (5 classes)</p> <ul style="list-style-type: none"> - Observation of histological preparations of tissues and organs by using slides and/or microscope

Organization:	Theoretical lessons: 50 classes Practical lessons: 15 classes																									
Teaching Methods	Interactive lessons, practice																									
Expected Academic Results	Knowledge and understanding: The student will acquire knowledge on the position of the organs and their links to other organs, the basic structure of the organs and tissues, as well as the basic terminology. Key skills: The student will be able to apply his knowledge on the subjects of anatomy, histology and embryology while studying other medical subjects.																									
Specific recommendations on the schooling:	<p>The student is required to actively follow all of the planned activities</p> <p>Rating the student's activities:</p> <table><tr><th>Type of activity</th><th>Points in Anatomy</th><th>Points in Histology</th></tr><tr><td>Theoretical lessons</td><td>0.5-1.0</td><td>0.5-1.0</td></tr><tr><td>Practical lessons</td><td>2.5-4.0</td><td>1.5-2.0</td></tr><tr><td>Paper</td><td>1-2</td><td></td></tr><tr><td>Regular check</td><td>18-30</td><td>12-20</td></tr><tr><td>Final exam</td><td>24-40</td><td></td></tr><tr><td>Total:</td><td>46-77</td><td>14-23</td></tr><tr><td>Total:</td><td colspan="2">60-100</td></tr></table> <p>Conditional criteria for assessing the knowledge:</p> <ol style="list-style-type: none">In order to collect the signature, the student should obtain the minimum points in both the theoretical and the practical lessons, and write a paper;In order to take the final exam, the student should obtain the minimum points in the regular check;If the student has not obtained the minimum points in the regular check, he/she takes the comprehensive final exam.*		Type of activity	Points in Anatomy	Points in Histology	Theoretical lessons	0.5-1.0	0.5-1.0	Practical lessons	2.5-4.0	1.5-2.0	Paper	1-2		Regular check	18-30	12-20	Final exam	24-40		Total:	46-77	14-23	Total:	60-100	
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Knowledge Assessment:	<p>Regular check of the knowledge – 1 (written)</p> <ol style="list-style-type: none">Anatomy: respiratory, cardiovascular and digestive system 18 - 30 pointsHistology: histological structure of cells, tissue and organs 12 - 20 points <p>Final exam (written)</p> <ol style="list-style-type: none">Anatomy: digestiv, urogenital, peripherral, central nervous system, endocrine glands and senses 24 - 40 points <p>Comprehensive final exam*: it is a combination of the regular check failed and the final exam.</p> <p>* The grade in the comprehensive exam is given according to the grading table, and on the basis of the sum of points obtained in all of the activities.</p>																									

Teaching Aids:	Principal: <ul style="list-style-type: none"> - Human Anatomy – lecture notes by the Department of Anatomy - Atlas of Human Anatomy - Gracilija Kiroška, “Histology” – lecture notes for the students at TSS, Skopje 2009
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