Course description

Conoral in	nformation about the course	
General Ir	2. Study level: unified MSc	
Major of study: medicine Vear: III	3. Form of study: intramural	
	5. Semester: V, VI	
6. Course name: Histology I + II	,	
7. Course status: required		
8. Course contents and assigned learning o	utcomes	
Introduction to histology		
Ultrastructure of the cell - functional specia	alizations	
Connective tissue - cells, intercellular matri	ix, bone formation	
Muscle tissue - mechanism of contraction		
Lymphatic system		
Nervous system. Neurogenesis		
Sensory organs - eye		
Transmitters, synapses, receptors		
Cardiovascular system		
Vasculogenesis and angiogenesis		
Digestive system - liver, pancreas		
Endocrine system - organs and DNES		
Urinary system		
Respiratory system		
Male reproductive system		
Female reproductive system		
Structure and function of fetal membranes	and placenta	
Learning outcomes / reference to learning of		
For knowledge – student knows and unders		
Knows histological and embryological nom	enclature	A.W1
knows cellular structures and their function	nal specializations	A.W4
knows microarchitecture of tissues, extrace	ellular matrix and organs	A.W5
knows developmental stages of human en and development of individual organs.	nbryo, organization of placenta and fetal i	membranes A.W6
knows the ways of communication between intracellular signal transduction.	en cells, cell and extracellular matrix and p	oathways B.W21
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For skills student can do:		
Can operate optical microscope		A.U1
Using optical microscope can differentiate		
tissues and cells. Can interpret their organi	zation and relations between their struct	
function		A.U2
Has ability to use histological nomenclature	e both in written and spoken form.	A.U5

For social competencies student	is ready to:		
Has ability for constant self education	•		
9. Number of hours for the cours	6 e		90
10. Number of ECTS points for th	ne course		7
11. Methods of verification and	evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of eva	luation*
Knowledge	Grade credit – MCQ	*	
Skills	Report Observation Practical exam	*	
Competencies	Observation	*	

^{*} The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level **Better than satisfactory (3,5)** – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved