



УНИВЕРЗИТЕТ У БАЊОЈ ЛУЦИ
UNIVERSITY OF BANJA LUKA
МЕДИЦИНСКИ ФАКУЛТЕТ
FACULTY OF MEDICINE



Academic year	Subject	Course code	Study programme	Study cycle	Year of study	Semester	No of students	No of groups for practical classes
2025/2026.	Histology and embriology	ISM22HE	Medical Studies in English	I	I	I		3

PLAN AND SCHEDULE OF LECTURES

Week	Lecture	Thematic Unit	Day	Date	Time	Location	H	Professor
I	L1	Introduction to Histology and Embryology. Cytology.	Wednesday	1.10.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
II	L2	Cytology: Ultrastructural Characteristics of the Cell	Wednesday	8.10.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
III	L3	Definition and Classification of Tissues. Epithelial Tissue. Types of Epithelial Tissues. Simple Lining Epithelium.	Wednesday	15.10.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
IV	L4	Epithelial Tissue. Stratified Epithelium. Glandular Epithelial Tissue.	Wednesday	22.10.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
V	L5	Connective Tissue. General Characteristics and Embryonic Origin of Connective Tissues. Types of Connective Tissues.	Wednesday	29.10.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
VI	L6	Specialized Connective Tissues.	Wednesday	5.11.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović

VII	L7	Specialized Connective Tissues. Supporting Connective Tissues	Wednesday	12.11.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
VIII	L8	Bone Marrow. Hematopoiesis.	Wednesday	19.11.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
IX	L9	Muscle Tissue	Wednesday	26.11.2023.	19:45-20:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
X	L10	Nervous Tissue	Wednesday	03.12.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
XI	L11	General Embryology	Wednesday	10.12.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
XII	L12	General Embryology	Wednesday	17.12.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
XIII	L13	Circulatory System	Wednesday	24.12.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
XIV	L14	Immune System	Wednesday	31.12.2023.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović
XV	L15	Colloquium 1	Wednesday	14.01.2024.	14:00-15:30	Amphitheater MF	2	Assist. Prof. Dr. Milan Popović

L1, L2, ..., L15 – Lecture One, Lecture Two, ..., Lecture Fifteen, H – Hours

PRACTICAL CLASS PLAN

Week	Practical Class	Type of Class	Thematic Unit
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I	P1	PC	Introduction to Histology and Methods. Microscopy and Preparation of Histological Slides. General Morphology of the Cell..
II	P2	PC	Cell Organelles. Golgi Complex, Rough Endoplasmic Reticulum, Polysomes
III	P3	PC	Cell Organelles. Mitochondria, Centriole, Cilium. Cell Division.
IV	P4	PC	Epithelial Tissue. Simple Epithelium. Squamous, Cuboidal, Columnar. Pseudostratified Epithelium.
V	P5	PC	Stratified Epithelium. Non-Keratinized Stratified Squamous Epithelium. Keratinized Stratified Squamous Epithelium. Stratified Cuboidal Epithelium. Stratified Columnar Epithelium. Transitional Epithelium.
VI	P6	PC	Connective Tissue. Loose Connective Tissue. Dense Connective Tissue. Ultrastructure of the Fibroblast. Tendon. Mucous Tissue. Adipose Tissue.
VII	P7	PC	Cartilages: Hyaline, Elastic, Fibrous.
VIII	P8	PC	Bone. Ground Bone. Decalcified Bone. Ossification: Intramembranous and Endochondral. Ultrastructure of the Osteoclast.
IX	P9	PC	Blood. Blood Smear. Ultrastructure of Neutrophilic, Basophilic, and Eosinophilic Granulocytes. Structure of Platelets.
X	P10	PC	Muscle Tissue. Striated Skeletal Muscle, Cardiac Muscle, Smooth Muscle.
XI	P11	PC	Nervous Tissue.
XII	P12	PC	General Embryology. Spermatogenesis. Oogenesis.
XIII	P13	PC	Endometrium. Umbilical Cord (Funiculus Umbilicalis). Placenta.
XIV	P14	PC	Circulatory System. Elastic-Type Artery. Muscular-Type Artery and Vein (H&E Staining and Orcein Staining). Capillaries.
XV	P15	PC	Colloquium

P1, P2,, P15 – practical class one, practical class two, ..., Fifteen, TC- Theoretical class, PC – Practical class

Practical Class Schedule

Group	Day	Time	Place	H	Assistant
Group I	Monday	9.30-11.45	Microscopy Room of the Department of Histology	3	Dr. Maja Baružija, Assistant
Group II	Tuesday	10.15 – 13.00			Dr. Sanja Jovičić, Senior Assistant
Group III	Wednesday	9.30-11.45			Dr. Maja Baružija, Assistant

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G1, G2, G3, G4 – Group One, Group Two, Group Three, Group Four, H – Hours

Head of Department:
Prof. Dr. Vesna Ljubojević