



UNIVERSITY "ISMAIL QEMALI" VLORA
FACULTY OF TECHNICAL AND NATURAL SCIENCES
DEPARTMENT OF BIOLOGY

Subject: Histology (BIO 262)

Subject	Histology
Lecturer	Dr. Blerta Laze
Hours per week	Lessons 3 hours, Seminars 1 hour, Laboratories 1 hour
Tipologjia e lëndës	Characteristic formation disciplines of the program
Course/ semester	II/ I
Role of the subject	Obligatory
Program	Bachelor
Credites	7
Code of the subject	BIO 262
Lecturer email	blerta.laze@univlora.edu.al

Description:

Students in the Histology course will gain knowledge on:

the methods and object of the subject of human Histology, the structural and functional organization of the four tissues, familiarity with the typical architecture of the tissues in the main organs and systems of the organism, also focusing on the analysis of the most important functions of cellular differentiation.

BASIC CONCEPTS:

- 1 To study the structural and functional organization of the four human tissues
- 2 To study the typical architecture of the tissues in the main organs and systems of the human organism

COURSE TOPICS:

Lessons course topics:

- Topic 1** Histology and study methods. Cell and tissue culture. Epithelial tissue-Cell types.
- Topic 2** Covering epithelium. Glandular epithelium. Elements of connective tissue. Connective tissue cells. Collagen fibers
- Topic 3** Types of connective tissue. Cartilage and bones.
- Topic 4** Blood and hematopoiesis. Muscle tissue.
- Topic 5** Nervous tissue - Development. Nervous system.
- Topic 6** Circulation system. The Skin.
- Topic 7** Immune system and lymphoid organs.
- Topic 8** Endocrine system
- Topic 9** Digestive system
- Topic 10** Digestive system
- Topic 11** Respiratory system
- Topic 12** Urinary system
- Topic 13** The male reproductive system

Topic 14 The female reproductive system

Topic 15 Sense organs

Seminars course topics:

Topic 1 Introduction in Histology. Cell and tissue culture.

Topic 2 Epithelial tissue-Cell types

Covering epithelium. Glandular epithelium. Elements of connective tissue. Connective tissue cells. Collagen

Topic 3 fibers

Topic 4 Covering epithelium. Glandular epithelium. Elements of c. Connective tissue cells. Collagen fibers

Topic 5 Types of connective tissue. Cartilage and bones.

Topic 6 Blood and hematopoiesis. Muscle tissue.

Topic 7 Nervous tissue - Development. Nervous system.

Topic 8 Circulation system. The Skin.

Topic 9 Immune system and lymphoid organs.

Topic 10 Endocrine system

Topic 11 Digestive system

Topic 12 Respiratory system

Topic 13 Urinary system

Topic 14 The male reproductive system

Topic 15 The female reproductive system. Sense organs.

Topict që do të trajtohen në laboratore:

Topic 1 Microscope structure. Principles of microscope work.

Topic 2 Microscopic examination of epithelial tissue

Topic 3 Microscopic examination of connective tissue

Topic 4 Cross-sectional examination of bone and cartilage under a microscope

Topic 5 Microscopic examination of a blood smear and muscle cells

Topic 6 Microscopic examination of nerve cells

Topic 7 Microscopic examination of blood vessels and skin cells in a cross section

Topic 8 Microscopic examination of cells of the immune system and lymphoid organs

Topic 9 Examination of the endocrine system under a microscope

Topic 10 Examination of the digestive system under a microscope

Topic 11 Microscopic examination of the respiratory system

Topic 12 Microscopic examination of the cells of the urinary system

Topic 13 Microscopic examination of the male reproductive system

Topic 14 Microscopic examination of the female reproductive system

Topic 15 Microscopic examination of sensory cells

EVALUATION OF THE SUBJECT

TEST	EVALUATION
Test I	25%
Annual assessment: Attendance, Laboratories and Seminars	15%
Final test	60%

Grade evaluation is based on the conversion of the total grade to %, grade 5-10 progressively 41-100%. The student who has less than 75% attendance during the semester will not be included in the final exam, as he will be graded with M (Absence). If the student has attended the course, but does not appear in the next exam, he is assessed NP (Did Not Appear). The course will be evaluated on the basis of the annual evaluation and the final exam. Points earned will be cumulative. Exams will not be repeated for any reason. If you miss the final exam without a valid reason, then you will lose points for the exam you missed.

Grade	4	5	6	7	8	9	10
Vlerësimi	-40	41-50	51-60	61-70	71-80	81-90	91-100

LITERATURE

a) Basic literature:

“Histologjia”, M. Lika (Çekani)
Cycle of laboratories materials: Dr. Blerta Laze

b) Recommended literature:

Histology and Cell Biology (fifth edition)
Douglas Paulsen
ISBN – 13: 978-0071476652
ISBN0 – 13: 0071476652

LECTURER

Dr. Blerta Laze

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