SYLLABUS

1. Course title:

HISTOLOGY

2. Code:

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

(●) Mandatory ( ) Elective

6. Prerequisites:

None

7. Class restrictions:

8. Duration / semester:

1 2

9. Weekly contact hours:

9.1. Lectures:	2
9.2. Seminars:	0
9.3. Laboratory/Practice classes:	1

10. Faculty:

Faculty of Pharmacy

11. Department/study program:

Pharmacy (integrated first and second cycle of study)

12. Lecturer:

dr.sc. Melisa Lelić, assistant professor

13. Lecturer's e-mail:

melisa.lelic@untz.ba

14. Web site:

www.frmf.untz.ba

15. Course aims:

The objectives of the course are to familiarize students with the normal morphology and ultrastructure of tissues and organs, while understanding the importance of their morphology and organization. The student will be able to comprehend human structure as a whole composed of mutually integrated structural components. During practical exercises, theoretical knowledge is assessed, and students develop skills in practical microscopy, as well as in the analysis and interpretation of histological slides.

16. Learning outcomes:

At the end of the semester/course, successful students who have continuously fulfilled their obligations throughout the teaching period will be able to understand the basic concepts of the microscopic structure of individual tissues and organs, and to perceive the human body as a whole composed of interconnected systems. The acquired knowledge will serve as a foundation for understanding physiological and biochemical processes in the body related to general functions, as well as the pathways and mechanisms of drug absorption.

17. Course content:

Module 1
Histology of tissues. Epithelial tissue — covering and glandular epithelium; connective and supportive tissue — connective cells, fibers, and intercellular substance. Classification of connective tissues; cartilage and bone. Blood plasma and blood cells. Bone marrow. Muscular tissue. Nervous tissue — blood-brain barrier; synapses; the nervous system (central and peripheral). Respiratory system — trachea and lungs; blood-air barrier. Cardiovascular system — heart, working and conducting cardiac muscle, arteries, veins, and capillaries.
Module 2
Digestive tract — general characteristics. Structure of the esophagus, stomach, small and large intestine. Pancreas. Liver and its vascularization. Urinary system — kidney, nephron, renal circulation, ureter, urinary bladder. Male and female reproductive systems. Endocrine system. Immune (defense) system — lymphatic tissue and organs. Skin and mammary gland. Sensory organs — organ of vision and organs of hearing and balance.

18. Learning methods:

Lectures: 2 (30 hours)
Practical exercises: 1 (15 hours)

19. Assessment methods:

Students are required to attend all forms of classes, and attendance is recorded on the prescribed form (4–5 points). During the semester, students take a partial exam covering the material of Module 1, worth 16–30 points.In the 15th week of classes, students take the practical part of the exam, which includes the identification, analysis, and interpretation of two histological slides and one theoretical question on blood cell elements, worth 9–15 points.The final part of the exam is written and covers the material of Module 2, worth 26–50 points.

20. Assessment components:

The grading scale is as follows:
55–64 points = 6 (E)
65–74 points = 7 (D)
75–84 points = 8 (C)
85–94 points = 9 (B)
95–100 points = 10 (A)

21. Required reading list:

Junqueira LC, Carneiro J, Keeley RO. Osnove histologije. Data status Beograd, 2005.

Zlata Žigić: Histološki praktikum, OFF-SET, Tuzla, 2011.

22. Web sources:

23. Applicable starting from the academic year:

2018/2019.

24. Adopted in the Faculty/Academy session:

17.11.2025.