

# PATHOLOGY LABORATORY APPLICATIONS

1	Course Title:	PATHOLOGY LABORATORY APPLICATIONS
2	Course Code:	TLTZ110
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	none
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. BERNA AYTAÇ VURUŞKAN
15	Course Lecturers:	Dr. Nesrin Uğraş Dr. Fatma Öz Atalay
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Tıp Fakültesi Patoloji Anabilim Dalı Görükle / Nilüfer / Bursa Tel: 0 224 4253669
17	Website:	
18	Objective of the Course:	To develop technical staff who are competent in carrying out operations outside of microscopic evaluation and who can apply traditional and modern techniques in pathology department.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	The student, which has the knowledge about theoretical and practical classes of pathology and pathology laboratory that supported with the up-to-date material, applies in the professional work area.
	2	The student has the knowledge and the artifice about save and transpor methods of the biologic materials.
	3	The student has the knowledge about the dysinfection, sterilization and preperation methods for every analysis and also knows how to apply them.
	4	The student has the knowledge about the basic tests, preperation of the solutions that are used in the different divisions of the laboratory.
	5	The student has the theoretical and practical knowledge and skills about chemical solution preperation which are used in the laboratory.
	6	The student knows how to use the laboratory intstuments according to the rules and techniques, how to do the general controls and after cares.
	7	The student can make work organization in the laboratory, can take responsibilities in the teamwork and also individially according to his position in the laboratory.
	8	The student has the knowledge about the safety preventions, applies the personel safety rules and makes the laboratory conditions safe.

		9	The student has the ability to communicate with the colleagues, medical doctors, other medical staff and patients as well in an efficient way and by observing the ethics.		
		10	The student has the consciousness about how important the professional knowledge thus the student attends the educational programmes and activities in whole work life.		
21	Course Content:				
	Course Content:				
Week	Theoretical		Practice		
1	INTRODUCTION TO PATHOLOGY		PREPARATION OF TISSUE FIXATION SOLUTIONS		
2	PATHOLOGICAL MATERIAL TYPE		ROUTINE LABORATORY PROCEDURES 1		
3	TERMS USED IN PATHOLOGY		ROUTINE LABORATORY PROCEDURES 2		
4	MACROSCOPIC DEFINITION AND SAMPLING IN PATHOLOGY		ROUTINE LABORATORY PROCEDURES 3		
5	TISSUE FIXATION SOLUTIONS		ROUTINE LABORATORY PROCEDURES 4		
6	TISSUE PROCESSOR		ROUTINE LABORATORY PROCEDURES 5		
7	TISSUE EMBEDDING AND SECTIONS FROM BLOCK		TISSUE PROCESSOR		
8	MIDTERM EXAM				
9	STAINING PROCEDURES APPLIED IN BIOPSY MATERIALS IN PATHOLOGY		TYPES OF TISSUE STAINING		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			LABORATORY	2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preparation			14	3.00	42.00
Homeworks			1	15.00	15.00
Projects			0	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams			Turkish Pathology Association	15.00	15.00
Others			0	0.00	0.00
TERM LEARNING ACTIVITIES			NUMBE	WEIGHT	15.00
Total Work Load					143.00
Total work load/ 30 hr			0	0.00	4.77
ECTS Credit of the Course					5.00
Final Exam			1	60.00	
Total			2	100.00	
Contribution of Term (Year) Learning Activities to Success Grade			40.00		
Contribution of Final Exam to Success Grade			60.00		
Total			100.00		
Measurement and Evaluation Techniques Used in the Course					
24	ECTS / WORK LOAD TABLE				

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	2	3	2	3	2	3	2	3	2	3	2	0	0	0	0
ÖK2	3	2	3	3	2	3	2	3	2	3	2	3	0	0	0	0
ÖK3	3	2	2	3	2	1	3	3	3	3	3	3	0	0	0	0
ÖK4	2	2	3	2	1	2	3	3	3	3	3	3	0	0	0	0
ÖK5	3	3	2	2	1	3	2	3	3	2	2	3	0	0	0	0
ÖK6	2	2	2	2	2	2	3	3	2	3	1	3	0	0	0	0
ÖK7	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0
ÖK8	3	3	2	1	2	3	1	3	3	3	3	2	0	0	0	0
ÖK9	3	2	3	2	3	2	2	3	2	2	3	1	0	0	0	0
ÖK10	3	2	1	1	2	3	3	2	3	2	3	3	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			