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3 Type of Course: Compulsory 4 Level of Course: Third Cycle 5 Year of Study: 1 6 Semester: 2 7 ECTS Credits Allocated: 5.00 8 Theoretical (hour/week): 1.00 9 Practice (hour/week): 4.00 10 Laboratory (hour/week): 0 11 Prerequisites: THE 6005 Tecniques of Light Microscopy 12 Language: Turkish 13 Mode of Delivery: Face to face 14 Course Coordinator: Prof. Dr. ZEHRA MINBAY 15 Course Lecturers: Prof. Dr. ZeHRA MINBAY 16 Contact information of the Course Coordinator: Prof. Dr. Zehra Minbay 17 Website: To educate researchers; who comprehend the detailed knowledge of histochemical and immunohistochemical techniques, who acknowledge the area of usage and the differences of these techniques and who can employ these techniques in the laboratory an interpret the results. 19 Contribution of the Course to Professional Development: 20 Learning Outcomes: 1 To comprehend the principles of histochemical techniques 1 To comprehend the principles of enzyme histochemistry are to employ histochemical techniques in the laboratory an interpret the results. 3 To understand the principles and protocoles of immunohistochemical techniques. 4 To comprehend the principles and protocoles of immunohistochemical techniques. 5 To be able to employ light and flourescence immunohistochemical staining. 6 To perport of the programment of the immunohistochemical techniques. 7 To quantitavely analyse the preparations resulted after immunohistochemical staining. 8 To comprehend the electroimmunohistochemistry	1	Course Title:								
4 Level of Course: Third Cycle 5 Year of Study: 6 Semester: 2 TeCTS Credits Allocated: 5.00 8 Theoretical (hour/week): 4.00 10 Laboratory (hour/week): 11 Precquisites: THE 6005 Tecniques of Light Microscopy 12 Language: Turkish 13 Mode of Delivery: 14 Course Coordinator: 15 Course Lecturers: Prof. Dr. ZEHRA MINBAY 16 Contact information of the Course Coordinator: 17 Website: 18 Objective of the Course: Objective of the Course to Prof. Dr. Techna Minday or or instruction of the Course to Prof. Dr. Service and immunohistochemical techniques. 19 Contribution of the Course to Prof. Dr. Dr. Dr. Dr. Dr. Dr. Dr. Dr. Dr. Dr	2	Course Code:	THE 6004							
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			8	To comprehend the electroimmunohistochemistry techniques.						
9			9							

	10									
21	21 Course Content:									
	Course Content:									
Week	Theoretical		Practice							
1	The aim and teaching plan of the cou	ırse	Overview of the histochemistry laboratory							
2	Introduction to histochemical technique	ues	Р	Preparation of solutions						
3	Histochemical procedures		Ρ	rinciples of the techniq	ues					
4	Enzyme histochemistry		Enzymatic reactions							
5	Enzymatic staining		S	taining technique of er	zyme histochemist	ry				
6	Principles of immunohistochemistry		0	verview of the immuno	histochemistry labo	oratory				
7	Immunohistochemical tissue prepara fixation and sectioning	tion,	La	aboratory: Fixation and	d sectioning					
8	Antigen Retrieval Methods		La	aboratory: Antigen Ret	rieval					
9	Immunohistochemical methods for lig microscopy	La	aboratory: Immunohist	ochemistry for light	microscopy					
Activit			Lá	aboratory: Immunohist Number	ochemistry for fluor Duration (hour)					
Theore	microscopy lical		е	ectron microscopy and 14	1.00 1.00	14.00				
Practic	als/Labs			14	4.00	56.00				
Self stu	dy and preperation stry		рі	eparations	3.00	42.00				
Homew	vorks			2	20.00					
Project	immunohistochemistry		peparations 0.00 0.00 0.00 0.00							
Field S				0 xporatory: Quartitative	0.00					
Midtern	Infinite or quantitative analysis of		st	0.00						
Others				0 ıınanocytochemistry: 7	0.00 11 Tactical Apploac 15.00	0.00				
Final E	Materials:			ditor).						
	/ork Load					147.00				
Total w	ARSESON hr					4.90				
ECTS (Credit of the Course					5.00				
Midtern	n Exam	0	0.00							
Quiz		0	0.00							
Home v	work-project	2	0.00							
Final E	xam	1	100.00							
Total		3	100.00							
	ution of Term (Year) Learning Activities S Grade	es to	0.00							
Contrib	ution of Final Exam to Success Grade		100.00							
Total			100.00							
Measu Course	rement and Evaluation Techniques Us	sed in the								
24 ECTS / WORK LOAD TABLE										

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