

# CELL MEMBRANE STRUCTURES, DYNAMICS AND CLINICAL CORRELATIONS

1	Course Title:	CELL MEMBRANE STRUCTURES, DYNAMICS AND CLINICAL CORRELATIONS	
2	Course Code:	TIP1080	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri	
15	Course Lecturers:	Prof. Dr. Sahin A. Sırmalı, Prof. Dr. Semiha Ersoy, Doç. Dr. Berrin Avcı	
16	Contact information of the Course Coordinator:	berrin@uludag.edu.tr 224/2954071, 224/2952525 U.U.T.F.Histoloji ve Embriyoloji Anabilim Dalı	
17	Website:		
18	Objective of the Course:	The cell is the smallest functional unit of the organism to the structural and functional correlation of the dynamic structure of membrane systems is intended to teach.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learn the histological structure of the cell membrane.
		2	Having information about the classification and functions of cell membrane proteins.
		3	To learn the mechanisms of cell transport.
		4	Knowledge about mechanisms of signal transduction between cells
		5	To learn the properties of the apical, basal and side surface for cells.
		6	Learn the correlation of functional complexes with the cell connection.
		7	Having information about the classification of cell adhesion molecules, and functioning.
		8	Learn the cell cycle.
		9	A knowledge of the mechanisms of cell death.
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	The cell membrane structures		
2	The cell membrane structures		

3	Membrane transport and vesicular transport	
4	The cell signal transduction	
5	The cell adhesion molecules	
6	Cell membrane surface properties, functional and clinical correlations	
7	Cell membrane surface properties, functional and clinical correlations	
8	Cell membrane surface properties, functional and clinical correlations	
9	Cell membrane surface properties, functional and clinical correlations	
10	Cell membrane surface properties, functional and clinical correlations	
11	Dynamics of the plasma membrane and cell death	
12	Dynamics of the plasma membrane and cell death	
13	Pathologies associated with the plasma membrane structure and function	
14	Pathologies associated with the plasma membrane structure and function	

22	Textbooks, References and/or Other Materials:	Histology Textbook and Atlas (M. H. Ross)
23	Assesment	

Activites			Number	Duration (hour)	Total Work Load (hour)
Quiz	0	0	0	1.00	14.00
Practicals/Labs		0		0.00	0.00
Final Exam	1	60	1	1.00	14.00
Self study and preperation		0		0.00	0.00
Homeworks		0		0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade		40		0.00	0.00
Projects		0		0.00	0.00
Field Studies		0		0.00	0.00
Contribution of Final Exam to Success Grade		60	1	1.00	1.00
Midterm exams		0		0.00	0.00
Others		0		0.00	0.00
Measurement and Evaluation Techniques Used in the Course		1		1.00	1.00
Total Work Load					31.00
24. ECTS / WORK LOAD TABLE					1.00
Total work load/ 30 hr					2.00
ECTS Credit of the Course					2.00

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	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0
ÖK2	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0
ÖK3	1	1	1	1	1	1	1	1	3	0	0	0	0	0	0	0
ÖK4	1	1	1	1	1	1	1	1	3	0	0	0	0	0	0	0

ÖK5	1	1	1	1	1	1	1	1	3	0	0	0	0	0	0	0
ÖK6	1	1	1	1	1	1	1	1	3	0	0	0	0	0	0	0
ÖK7	1	1	1	1	1	1	1	1	3	0	0	0	0	0	0	0
ÖK8	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0
ÖK9	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			