

# CELL BIOLOGY

1	Course Title:	CELL BIOLOGY
2	Course Code:	TTB 5001
3	Type of Course:	Compulsory
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	8.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ÜNAL EGELİ
15	Course Lecturers:	Prof. Dr. Ünal EGELİ Doç. Dr. Gülşah ÇEÇENER
16	Contact information of the Course Coordinator:	btunca@uludag.edu.tr 0224 295 41 61 ULUDAĞ ÜNİVERSİTESİ TIP FAKÜLTESİ TIBBİ BİYOLOJİ ANABİLİM DALI
17	Website:	
18	Objective of the Course:	Learning basic concepts of molecular content of cell, structure and function of organelles and linking between other subjects, making clinical approach possible and easier.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Understanding basic concepts of cell biology.
	2	Recognizing cell organelles and understanding their functional relationship.
	3	Understanding the molecular alterations in the cell and linking to related diseases.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Atom to molecule	
2	The structure of cell membrane	

<b>3</b>	An overview of organelles of the cell	
<b>4</b>	The cell skeleton	
<b>5</b>	The structure of Endoplasmic Reticulum	
<b>6</b>	The structure of golgi	
<b>7</b>	The structure of peroxisomes	
<b>8</b>	The structure of lysosomes	
<b>9</b>	The structure of ribosomes	
<b>10</b>	The structure of mitochondria	
<b>11</b>	The structure of nucleus	
<b>12</b>	Cell cycle	
<b>13</b>	Mitosis	
<b>14</b>	Meiosis	

<b>22</b>	Textbooks, References and/or Other Materials:	Molecular Biology of the Cell, Alberts, Garland Science Molecular Cell Biology, Lodish, WH Freeman and Company The Cell: A molecular Approach , Geoffrey M. Copper
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	0	0.00

Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	4	10	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		14	6.00	84.00
Homeworks		3	16.00	48.00
Projects		1	0.00	0.00
Field Studies		0	0.00	0.00
Course Midterm exams		0	0.00	0.00
Others		4	16.00	64.00
Final Exams		1	2.00	2.00
Total Work Load				240.00
Total work load/ 30 hr				8.00
ECTS Credit of the Course				8.00

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	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK2	5	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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