

GENERAL CELL BIOLOGY

1	Course Title:	GENERAL CELL BIOLOGY
2	Course Code:	BYL4090
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	8
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
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. Elif Demirkan
15	Course Lecturers:	Prof. Dr. Elif DEMİRKAN
16	Contact information of the Course Coordinator:	<p>Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: edemirkan@uludag.edu.tr Telefon: 0 224 294 17 94</p> <p>Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: edemirkan@uludag.edu.tr Phone: 0 224 294 17 94</p>
17	Website:	
18	Objective of the Course:	This course provides an overview of the cell biology, both structure and function.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To have basic information about the structural and molecular features of organisms
	2	The ability to effectively employ communication technologies
	3	To earn the ability to transfer information
	4	The ability to win the professional and ethical responsibility awareness
	5	To have sufficient knowledge in areas of Natural Sciences for which one might be consulted
	6	Be aware of scientific innovation
	7	To comprehend the position and responsibility of human beings in nature
	8	To be able to reach up to date information
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	10	
21	Course Content:	
	Course Content:	

Week	Theoretical	Practice
1	The emergence of modern cell biology	
2	Two primary types of cells: prokaryotic cells and eukaryotic cells	
3	The importance of carbon and water	
4	Macromolecules: components responsible for most of the form and function in living systems	
5	Optical techniques used in the determination of cellular structures	
6	Examination of live cells	
7	Molecular layout of the cell membrane	
8	Cells and transport processes	
9	Intracellular membrane system	
10	Intracellular respiratory centers	
11	The structure and function of plastids	
12	Non-membrane bound organelles	
13	Morphology of Nucleus, Ultrastructure of nucleolus	
14	Mechanism of Apoptosis	

24 ECTS / WORK LOAD TABLE

[illegible]

ÖK5	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK7	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	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			