

# MODERN BIOLOGY

1	Course Title:	MODERN BIOLOGY
2	Course Code:	BYL1188
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	5.00
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. NİLÜFER ÇİNKILIÇ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	aydemirn@uludag.edu.tr 0.224.2941797 Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Görükle Kampüsü, 16059 Bursa
17	Website:	
18	Objective of the Course:	The course will provide an overview of modern biology subjects to the psychology students.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To have information regarding the classification of living things and their structural and molecular properties
	2	Beside psychology, to have fundamental knowledge in other related science such as biology
	3	To be able to see the continuity of the relationship between the environment and living things as a whole
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	History of biology	
2	What is living things, mechanism for being living things	
3	Chemistry of life, atoms, molecules and chemical bonds	

4	Special characteristics of water, biological macromolecules	
5	Cell and organelles, basic structure of cell	
6	first exam analysis of questions	
7	What is genetic material, the structure of DNA, chromosome and its structure	
8	Who is Charles Darwin	
9	Theory of Wallace -Darwin	
10	Natural selection, new species born	
11	Basis of life in the earth, creation of the earth	
12	The evolution of primates and human	
13	Neural system as a cell and tissue	
14	Evolution of language and brain	

<b>22</b>	Textbooks, References and/or Other Materials:	Modern Biology Lecture Notes
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	0	0.00
Home work-project	1	10.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	10	1.00	14.00
Homeworks	1	4.00	4.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	14	3.00	42.00
Final Exams	1	30.00	30.00
Total Work Load			172.00
Total work load/ 30 hr			5.07
ECTS Credit of the Course			5.00

[illegible]

**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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