

DAILY LIFE AND BIOLOGY

1	Course Title:	DAILY LIFE AND BIOLOGY
2	Course Code:	FEN0104
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
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:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. YETER ŞİMŞEKLİ
15	Course Lecturers:	Doç.Dr.Yeter Şimşekli
16	Contact information of the Course Coordinator:	ysimsekli@uludag.edu.tr, 2942290, U.Ü.Eğ.Fak.FBE ABD
17	Website:	
18	Objective of the Course:	To transfer latest advances in Biology, Biotechnology and genetic, to give information about the daily life applications.
19	Contribution of the Course to Professional Development:	Having knowledge about the latest developments in the fields of Biology, Biotechnology and Genetics will contribute to teachers in teaching the relevant units.
20	Learning Outcomes:	
	1	Understanding the place and importance of biology in our daily life
	2	Comprehend the relation between biology and technology
	3	Understand the daily life convenience of genetic applications
	4	Comprehend the relation between biology and society and environment
	5	Understand the effects of chemicals on our life
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The importance of biology in terms of society and technology	
2	Genetically modified organisms (GMO)	
3	Genetic cloning	
4	Stem cell technology	
5	Bioinformatics	

6	Organ transplantation and importance of organ donation	
7	The use of nanotechnology in biology	
8	Biological sensors	
9	Development process of drugs and cosmetics and effects of theme on environment	
10	Chemical substances (drugs, dye and detergents) and their biological effect	
11	Organisms in our immediate surrounding and their effects on human health	
12	Organisms in our immediate surrounding and their effects on human health	
13	Using microorganisms to remove or neutralize contaminants	
14	Food additives, their preparation process and their dangers	

22	Textbooks, References and/or Other Materials:	Polat, F., Biyolojide Özel Konular. Pegema yayıncılık, 2010.
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-proiect	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Contribution of Term (Year) Learning Activities to Success Grade	40.00	2.00	28.00
Practicals/Labs	0	0.00	0.00
Contribution of Final Exam to Success Grade	0.00	3.00	33.00
Self study and preperation	11		
Homeworks	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course	Midterm and final exams are applied for evaluation and the relative system is used.		
Field Studies	0	0.00	0.00
24. TOTAL WORKLOAD TABLE			
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	40.00	40.00
Total Work Load			121.00
Total work load/ 30 hr			4.03
ECTS Credit of the Course			4.00

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

ÖK5	5	5	1	1	3	1	3	1	5	1	1	1	1	1	5	1
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							