		GEN							
1	Course Title:	GENETICS II							
2	Course Code:	BYL3002							
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	cle						
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	3.00							
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.	Tolga Çavaş						
15	Course Lecturers:	Prof. Dr. Tolga ÇAVAŞ Prof. Dr. Nilüfer ÇİNKILIÇ Prof. Dr. Serap ÇELİKLER KASIMOĞULLARI							
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: tcavas@uludag.edu.tr Telefon: 0 224 294 1869 Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: tcavas@uludag.edu.tr Phone: 0 224 294 1869							
17	Website:								
18	Objective of the Course: Contribution of the Course to	inheritan specific student	s of this course are to teach the molecular concept of nce, procaryotic and viral genetics, cytoplasmic inheritance, topics in population and quantitative genetics, to make understand the developmental genetics and carcinogenesis. Inse establishes the base for future studies of students by						
19	Professional Development:	providing	g information about genetics which is one of the basic s of biology.						
20	Learning Outcomes:		·						
		1	Comprehending the molecular alteration in genetics						
		2	Recognize the organization of genetic material in organisms						
		3	To analyze the genetic consequences at the population level						
		4	The ability to gain synthesis between access to current information and knowledge they have learned of genetics						
		5							
		6							
		7							
		8							
		9							

Theoretical     3 P4C. Turner ve ark., Nelegvüler Biyolojide     289001 not       Practicals/Labs     0     0.00     0.00       Sedestudesense     0     0.00     0.00       Sedestudesense     6     1.00     6.00       Homeworks     6     1.00     6.00       Priedesense     0     0.00     0.00       Middlerm Exam     1     44700     1.00     2.00       Field Studies     0     0.00     0.00     0.00       Middlerm exams     0     0.00     0.00     0.00       Others     3     2.00     6.00     10.00       Total Work Load     2     1.00.00     20.00     20.00       Stational Stational Station Techniques Used in the Course     3.00     3.00     100.00       Measurement and Evaluation Techniques Used in the Course								1	0												
Week   Theoretical   Practice     1   DNA organisations in chromosomes (heterochromatine and chromosomes banding)   Image: Comparison of the second comparecend comparecend comparison of the second comparison	21	Course Content:																			
1   DNA organisations in chromosomes     2   Structural differences in chromosome banding)     3   Structure of centromer and telomer and polytene chromosomes     4   Sequences of eucaryotic DNA     5   Gene Mutation and classification of mutations     6   Molecular mechanisms of mutations     7   Midterm Exam, repeating lecture     8   DNA repair mechanismsBacterial and viral genetics     9   Analysis of the fine structure of genes     10   cytoplasmic inheritance     11   genetics of cancer and cell cycle regulation     12   Genetic basis of development     13   quantitative genetics     14   population genetics     14   population genetics     14   population genetics     14   population genetics     14   population genetics     0   0.00   0.00     Sequences									C	Cours	urse Content:										
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Home work-project   10   1000   6.00     Others   3   2.00   6.00     Einal Exams   2   100.00   20.00   20.00     Total Work Load   92.00   92.00   92.00   3.07     Sotalewerk hadd/ 30 hr   3.07   3.07   3.07     ECTS Credit of the Course   3.00   3.00   3.00     Total   100.00   Writing exam Test exam   24     24   ECTS / WORK LOAD TABLE   25   CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME																					
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	25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
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<b>ÖK2</b> 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ÖK2	0		0	0	4	0	0	0	0	0	0	0	0	0	0	0	0			

ÖK3	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 Iow		3	Medi	um	4 High			5 Very High					