	BIOINFO	RMAT	IC APPLICATIONS							
1	Course Title:	BIOINFO	DRMATIC APPLICATIONS							
2	Course Code:	MBG310	04							
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	cle							
5	Year of Study:	3								
6	Semester:	6								
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:	Doç. Dr.	FIGEN ERSOY							
15	Course Lecturers:	yok								
16	Contact information of the Course Coordinator:	e-posta: figen@uludag.edu.tr 0 224 29 41776 Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, Görükle Kampüsü, 16059 Bursa								
47	Wohaita	Corume Nampusu, 10009 Bursa								
17	Website: Objective of the Course:	The number of this course is to teach advanced to be investigated.								
18	Objective of the Course.	The purpose of this course is to teach advanced techniques and concepts used in molecular biology today. Thus, a new perspective can be developed by the student so that he can cope with the problems and be successful in his graduate study.								
19	Contribution of the Course to Professional Development:	Contribution of the course to professional development is to teach some techniques in Molecular Biology.								
20	Learning Outcomes:									
		1	Analyse and solve problems using an integrated multidisciplinary approach.							
		2	Integrate and evaluate critically information from various sources.							
		3	Plan, conduct and write a programme of original research.							
		4	Use modern information and communications technologies.							
		5	Critically evaluate scientific publications.							
		6	Communicate effectively through oral presentations							
		7	Devise functional genomics methodologies for solving problems							
		8	Transfer techniques and solutions from one discipline to another.							
		9								
		10								

21	Cours	urse Content: Course Content:																	
								C	ours	se Co	ntent:								
Week	Theo	heoretical I									Practice								
1	Introd	ntroduction																	
2	prime	r de	sign																
3	RE mapping																		
4	signal peptide search																		
5	3D protein programs																		
6	miRNA, biochemical pathways																		
7	NCBI																		
8	BLAST																		
9	protein localization, pspired																		
10	yeast genome																		
11	, -																		
12	transn	nen	nbran	e prote	eins														
13	protei	n da	ata ba	ınk															
14	Paper	pre	esenta	ation 9	&10														
Activit	Activites						I	Number			Duration (hour)			Total Work Load (hour)					
Th 2:3 re	i ⁄ka ses	sme	nt						1	14					42.00				
Practica	als/Lat	os							(0			0.00			0.00			
Self stu Midtern	id¥ ang	d pr	epera	tion			1		40	40.00			15.00		15.00				
Homew										3			15.00		45.00				
Project: Home	S Work-n	roje	ct				0			0.80			0.00			0.00			
Field St		IOIC	GL .				10						0.00	0.00			0.00		
Midtern Total	n exan	ns					2		10	100.00			20.00			20.00			
Others							12			0					0.00				
Sinates	\$3613 6	de	- (,		-			T i	1)	30.00				
Total W	ork Lc	oad													172.00				
Total w	ork loa	ad/ 3	30 hr						10	0.00					5.07				
ECTS (Course	Credit	of th	ne Co			ппчч		a ni ti		5.00									
		s/	WOI	RK L	OAD	TAB	LE												
25											OUTC	OME	S TO I	PROC	BRAM	ME			
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	5		4	4	4	5	4	4	5	4	5	0	0	0	0	0	0		
ÖK2	4		5	4	5	4	5	4	4	4	4	0	0	0	0	0	0		

ÖK3

Contrib ution Level:	ution			2 low			3 Medium			4 High			5 Very High			
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	5	4	4	4	5	4	5	4	4	5	0	0	0	0	0	0
ÖK7	5	4	4	4	5	4	4	4	5	4	0	0	0	0	0	0
ÖK6	4	5	4	5	4	4	4	4	5	4	0	0	0	0	0	0
ÖK5	4	5	4	4	4	4	4	4	5	4	0	0	0	0	0	0
ÖK4	4	4	4	5	4	3	4	4	3	5	0	0	0	0	0	0