MEDICAL GENETICS										
1	Course Title:	MEDICA	L GENETICS							
2	Course Code:	TIP3016								
3	Type of Course:	Compuls	ory							
4	Level of Course:	First Cyc	le							
5	Year of Study:	3								
6	Semester:	6								
7	ECTS Credits Allocated:	2.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	No								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	face							
14	Course Coordinator:	Öğr.Gör.	Tıp Fakültesi Öğrenci İşleri							
15	Course Lecturers:	Yrd. Doç. Dr. Tuna Gülten Doç. Dr. Tahsin Yakut								
16	Contact information of the Course Coordinator:	tunag@uludag.edu.tr,Tel: 2954351 Uludağ Üniversitesi Tıp Fakültesi Tıbbi Genetik Anabilim Dalı Poliklinikler Binası Görükle / BURSA								
17	Website:	http://tip.uludag.edu.tr/akademikegitimprogramlari.php								
18	Objective of the Course:	Providing the medical students having the sufficient knowledge about the basic principles and clinical manifestations of human genetics.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:	ning Outcomes:								
		1	Understanding the basic principles of human genetics.							
		2	Learning the genetic mechanisms in disease etiology							
		3	Having knowledge about the diagnosis, management and treatment of the genetic diseases							
		4	Learning to approach to the genetic diseases in primary care medicine and ethical issues							
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	The impact of genetics in medicine Gregor Mendel and the laws of inher	itance								

2	The human genome: Gene organizat function and regulation The human genome: Gene organizat function and regulation	tion, tion,								
3	Chromosome structure and organiza human Impact of genetic tests in diagnosis	tion in								
4	Impact of genetic tests in diagnosis Mendelian inheritance, pedigree drav terminalogy	wing and								
5	Single gene disorders Biochemical and molecular genetics human disease	of								
6	Genetic aspect of hemoglobinopathie Genotype-phenotype relationship in hemoglobinopathies	es								
7	Genetics of common diseases Genetics of common diseases									
8	Genetic basis and genotype-phenoty relationship in inborn errors of metab Genetic basis and genotype-phenoty relationship in inborn errors of metab	rpe olism rpe olism								
Activit	es		Number	Duration (hour)	Total Work Load (hour)					
Theore 10	Chromosome aberrations and huma	า	14	2.00	28.00					
Practic	als/Labs		0	0.00	0.00					
Self stu	gonomalities and classification of cor	igenitai	10	1.00	10.00					
Homew	vorks		0	0.00						
Project	Diagnostic approach to congenital		0	0.00						
Field S	tudies		0	0.00	0.00					
Midtern	n exams		1	10.00	10.00					
Others			0	0.00	0.00					
Final E	kams	-	1	10.00	10.00					
Total W	/ork Load				58.00					
Total w	ork load/ 30 hr				1.93					
ECTS (Credit of the Course				2.00					
22	Textbooks, References and/or Other Materials:		 Nussbaum R. L., McInnes R. R., Willard F. H., Boerkoel C.F., "Thompson & Thompson, Genetics in Medicine", W.B Saunders Company., Sixth Edition (2001) Turnpenny P. D., Ellard S., "Emery's Elements of Medical Genetics", Elsevier Churchill Livingstone., Twelfth Edition (2005) Gelehrter T. D., Collins F. S., Ginsburg D., "Principles of Medical Genetics ", Williams & Willkins., Second edition (1998) 							
23 Assesment										
TERML	EARNING ACTIVITIES	NUMBE R	WEIGHT							
Midtern	n Exam	1	40.00							
Quiz		0	0.00							

Home work-project								0.0	0.00								
Final Exam 1							60	60.00									
Total 2								10	100.00								
Contribution of Term (Year) Learning Activities to Success Grade								40	40.00								
Contribution of Final Exam to Success Grade							60	60.00									
Total							10	100.00									
Measurement and Evaluation Techniques Used in the Course						ne											
24 EC	24 ECTS / WORK LOAD TABLE																
25 CONTRIBUTION OF LEA								ARN QUA	RNING OUTCOMES TO PROGRAMME JALIFICATIONS								
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	0	5	5	3	4	4	3	0	0	3	5	5	0	0	0	0	
ÖK4	5	5	5	3	4	4	3	0	0	3	5	5	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications										-							
Contrib 1 very low ution Level:			2 Iow		3	Medi	dium 4 High		5 Very High								