	r	MATHEMATICS						
1	Course Title:	MATHEMATICS						
2	Course Code:	MAT1083						
3	Type of Course:	Compulsory						
4	Level of Course:	First Cycle						
5	Year of Study:	1						
6	Semester:	1						
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:							
12	Language:	Turkish						
13	Mode of Delivery:	Face to face						
14	Course Coordinator:	Prof. Dr. İSMAİL NACİ CANGÜL						
15	Course Lecturers:	Matematik bölümünün tüm öğretim üyesi ve öğretim görevlileri						
16	Contact information of the Course Coordinator:	E-posta: cangul@uludag.edu.tr Telefon: +90 224 2941756 Adres: Uludağ Üniversitesi Fen-Edebiyat Fakültesi Matematik Bölümü 16059 Görükle-Bursa-TÜRKİYE						
17	Website:							
18	Objective of the Course:							
19	Contribution of the Course to Professional Development:							
20	Learning Outcomes:							
		1						
		2						
		3						
		4						
		5						
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		9						
		10						
21	Course Content:							
		Course Content:						
	Theoretical	Practice						
1	functions, special functions, trigonom functions							
2	inverse trigonometric functions, expo	nential						
3	equations and inequalities							
4	limit of functions, limit theorems, limit polynomials, special functions, expor logarithmic, trigonometric and inverse trigonometric functions	nential,						

5	indeterminates and I'	hospital rule									
6	continuity of functions, types of discontinuity and removal of discontinuity										
7	definition of derivative, fundamental derivative theorems, geometric meaning of derivative, tangent and normal equations										
8	derivatives of sum, product and quotients, powers, chain rule										
9	implicit derivative, derivative of the inverse function, derivatives of exponential and logarithmic functions										
10	derivatives of trigonometric functions, derivatives of inverse trigonometric functions										
11	Physical meaning of derivative and its applications										
12	Rolle theorem, intermediate value theorem, optimization problems										
13	differential and linearization, Newton method										
14	drawing curves of rational functions by means of derivative										
22	Textbooks, Reference	es and/or Othe	r								
	Materials:		•								
23	Assesment										
TERM L	LEARNING ACTIVITIES		NUMBE R	WEIGH	Т						
Activit	tes			Nun	nber		Dura	ition (hour)	Total W Load (h	
Flome \	work-project etical										
Practic	als/Labs										
Total Self stu	udy and preperation										
Homew			•								
Project	ts										
		Cuasasa Cras									
	studies	Success Grad	<u> 16</u>								
		Success Grad	NO.								
	n exams	Success Grad	10								
Midterr Others	tudies m exams										
Midterr Others	n exams										
Others Final E Total W	tudies m exams KECTS / WORK L Vork Load Vork load/ 30 hr										
Others Final E Total W	tudies n exams ECTS / WORK L									5.00	
Others Final E Total W	m exams West / Work Lever Load Work Load / 30 hr Credit of the Course		OF LEA		S OUT(в то і	PROC	BRAM		
Midterr Others Final E Total W Total w	m exams West / Work Lever Load Work Load / 30 hr Credit of the Course	OAD TABLE	OF LEA	UALIF	ICATIO				BRAM PQ14	IME	PQ16
Midtern Others Final E Total W Total w	work Load york load/ 30 hr Credit of the Course PQ1 PQ2 PQ3	OAD TABLE	OF LEA QI	UALIF PQ8 PQ	9 PQ1 0	ONS	PQ12	PQ1 3	PQ14	IME	PQ16
Midtern Others Final E Total W Total w	rib 1 very low	TRIBUTION	OF LEA QI Q6 PQ7 F jectives	UALIF PQ8 PQ	PQ1 Progra	PQ11	PQ12 alifica	PQ1 3	PQ14	IME	