				YAKIN DO	Ğu ünİversİtesİ – O		KOORDİN	ATÖR	LÜĞÜ	Ü				
					DERS	<mark>X</mark> Bölümü İZLENCESİ Bahar Dönemi								
Ders Koo MTH101		rs Adı culus I				Kredi 4			AKTS 5					
Önkoşul	l: -							1						
	i: English	1			Ders Tipi: Compulsor		[Döne	m : 1	
			Sınıf	'Saati	Laboratuvar	Uygulama	n.c		Öğrenme Oturumları				·	
Saatleri 4					0	0	PÇ 0			r	0	D	0	,
Öğretim E-posta:		Ders	Koord	linatörü: C	ommon Course	Ofis Saatleri Online Ofis								
O	e Kazanıml	arı	▶ 1▶ 1▶ 1	The studen The studen The studer The studen	pletion of this course, it gets the idea about it gets the idea about nt gets the idea about it gets the idea about	Limits of a fund differentiation sketching the integral	tions graph of a	funct						
Ders Tan	11 m 1		Rela Crit	ated rates. ical Points.	ntinuity. Derivatives. R Rolle's and the mea Asymptotes. Curve s fintegration. Definite	in value theore ketching. Integ	m. rals. Funda	amen				es. Cha	in rule	
Dersin A	Dersin Amaçları T		The met read	echniques of integration. Definite integrals. L'Hôpital' Rule. ne course is standart first-year course on Calculus providing basic definitions, concepts and ethods of limit, differentiations and integration . The objective is two fold : To make students ady to see applications of calculus on subsequent courses and to enable them to continue their udy on more advance level.										
Ders Kita	abı ve/vey	a	1	THOMA	S' CALCULUS ,Weir , l	Hass, Giordano E	leventh Edi	ition –	2005					
Kaynakl	Kaynaklar		2	Early Transcendental Functions Robert Smith, Roland Minton 3rd.edition, 2007										
Ders İçe	riği													
Derste K	Cullanılacal	Yön	temlei	r										
Hafta	Tarih				HAFTALIK I Etkinlikler	DERS İZLENCES Notlar	l					D of on	/V-	1-
1	22 – 26 Ş	ubat			Etkiniikier	Derse giriş						Keier	ans/Ka	упак
2	1 – 5 Mai				nd Limits:The Tangent y Problems, The Limit o									
3	8 – 12 Ma	art			Limits Using the Limit Precise Definition of a nuity									
4	15 – 19 Mart			Derivative a Function D Formulas D	and Rates of Change Thas a as a ifferentiation perivatives of tric Functions The Chain									
5	5 22 – 26 Mart			Implicit Differentiation Rates of Change in the Natural and Social Sciences Related Rates Linear Approximations and Differentials										
6	29 Mart – 2 Nisan		san	Application Maximum a Mean Value Derivatives Graph	ns of Differentiation and Minimum Values Th e Theorem How Affect the Shape of a									
7	5– 9 Nisa	a Graph Limits at Infinity; Horizontal Asymptotes												
8	8 12–16 Nisan			Summary of Curve Sketching.Optimization Problems Antiderivatives										
9	19 – 22 N	lisan		- 10010His A		ARA S	INAVLAR					1		
10	26–30 N			Distances	ives IntegralsAreas and		_							
11	3 – 7 May	/1S		Fundamenta Indefinite In	e Integral The al Theorem of Calculus ntegrals and the Net									
	Ī			Change The	eorem The Substitution									

			Rule				
12	10 – 12 May	IS	Between	ions of IntegrationAreas Curves Inverse s Exponential Functions and			
13	17 – 21 Mayıs		Applicati Natural I Natural F	ions of IntegrationThe Logarithmic FunctionThe Exponential Derivatives of Logarithmic			
14	24 – 28 Mayıs		Substitut	netric IntegralsTrigonometric ion Integration of Rational s by Partial Fractions			
15	31 Mayıs – 4	Haz		,			
16	7 – 16 Hazira	ın			F İ NAL SINAVLARI		•
Derse	Katılım: Minimur	n 70 %					
Değerlendirme:				Yöntem	Tarih	%	Referans/Kaynak
		1	Quiz		Week 5	5	,
2			Midterm		Week 9	40	
3		3	Quiz		Week 12	5	
4		4	Final		Week16	50	
				Öğrenme	Programı		
Eğitim Aracı			Miktar Öğrenci İş Yükü (Saat)		Eğitim Aracı	Miktar	Öğrenci İş Yükü (Saat)
In class (14 weeks)			16	64	Final evam	1	25

Eğitim Aracı	Miktar	Öğrenci İş Yükü (Saat)	Eğitim Aracı	Miktar	Öğrenci İş Yükü (Saat
In class (14 weeks)	16	64	Final exam	1	25
Quiz	2	2	Self study	14	56
Assignment					
(preparation	1	2			
included)					
Mid-term exam	1	10	Toplam		160
		Öngörülen AKTS Kredisi		/30 = ~ 5	
		(Toplam İş Yükü / 30) :			