CALCULUS I(DIFFERENTIAL CALCULATIONS)										
1	Course Title:	CALCUL	ALCULUS I(DIFFERENTIAL CALCULATIONS)							
2	Course Code:	MAT1071								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cycle								
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	There are no prerequisites.								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. ESEN İYİGÜN								
15	Course Lecturers:	Prof.Dr.Kadri Arslan Yrd.Doç.Dr.Sezayi Hızlıyel								
16	Contact information of the Course Coordinator:	e-posta: esen@uludag.edu.tr telefon: 0.224.2941766 adres: Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 16059, Görükle Kampüsü, Bursa								
17	Website:									
18	Objective of the Course:	To train students in understanding of numbers, inequalities, functions and powers. To provide experience in drawing the graph of a curves. To train students in understanding of derivative and rules of derivative. To give knowledge on compute limit. To train students in establishing mathematical modelling of some problems. To provide experience in some special functions.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Knows the corresponding mathematical models to bring up to date problems.Mathematics is a whole, is not the only solution of the problems you learn to reach different methods of solving the problem.							
		2	Recognise numbers, inequalities and functions.							
		3	Learns in drawing the graph of a curve.							
		4	Learns derivative, limit and continuity.							
		5	Learns maximum and minimum problems, increasing and decreasing functions.							
		6	Learns indeterminate forms and differential.							
		7	Learn how to take the derivative of some special functions.							
		8								
		9								
		10								
21	Course Content:									
	Course Content:									

Week	Theoretical		Practice								
1	Numbers and Inequalities		S	Solved number and inequality examples.							
2	Functions		F	Function examples given.							
3	Graphs		G	Graphs were drawn.							
4	Curves and equations		E	Examples of the curve and the equation is solved.							
5	Limit and Continuity		Were given examples of limit and continuity.								
6	The derivative		Examples of derivatives are solved.								
7	Higher derivatives and the chain rule		Examples were given of higher order derivatives and the chain rule.								
8	Midterm Exam + Repeating courses		Solving problems.								
9	Trigonometric functions, their graphs properties	and	Graphs were drawn of them by giving examples of trigonometric functions.								
10	The maximum and minimum problem increasing and decreasing functions, mean value theorem	ns, the	Examples were given the maximum and minimum problems, increasing and decreasing function examples were solved and examples related to the mean value theorem.								
11	Indeterminate forms, Polar coordinate Parametric curves	es,	Indeterminate forms, polar coordinates and parametric curves were given examples of.								
12	Differential, Curve sketching,		Examples were given of differential and curve sketching.								
13	Hyperbolic and Inverse functions and derivatives.	l their	Examples of derivatives of hyperbolic and inverse functions are solved.								
14	Exponents and Logarithm functions a derivatives.	and their	Exponential and logarithmic functions derivatives examples were given.								
Activit	es			Number	Duration (hour)	Total Work Load (hour)					
Theore	tical		Z. E	Serge Lang, 1980, A dition, ISBN 0-201-041	48-0, Yale Universi	ty, 524 s.					
Practica	als/Labs			14	2.00 28.00						
Self stu	dy and preperation		6	78 ⁴ s.	2.00 28.00						
Homew	vorks			0	0.00	0.00					
Project	8		5 James Stewart TÜBA YAYINLARI Kalküld Differansiyel								
Field S	tudies			0	0.00	0.00					
Midtern	n exams			1	10.00	10.00					
Others				14	3.00	42.00					
FERME	XEANRINING ACTIVITIES	NUMBE	W	ÉIGHT	16.00	16.00					
Total W	Vork Load					180.00					
Total w	ork load/ 30 hr	0	Δ	00		6.00					
ECTS (Credit of the Course	IV.		00		6.00					
Final E	xam	1	60.00								
Total		2	100.00								
Contrib Succes	oution of Term (Year) Learning Activitiess Grade	es to	40.00								
Contrib	oution of Final Exam to Success Grade	9	60.00								
Total			100.00								
Measur Course	rement and Evaluation Techniques Us	sed in the									
24	24 ECTS / WORK LOAD TABLE										

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	4	4	0	4	0	0	0	3	0	0	0	0	0	0	0
ÖK2	0	4	4	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	4	0	3	0	0	0	3	0	0	0	0	0	0
ÖK4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:				2 low 3			3 Medium		4 High			5 Very High			