	CALCULUS II (INTEC	GRAL CALCULATIONS)						
1	Course Title:	CALCUL	US II (INTEGRAL CALCULATIONS)						
2	Course Code:	MAT107	2						
3	Type of Course:	Compuls	ory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	1							
6	Semester:	2							
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 ar	e no prerequisites.						
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	ESEN İYİGÜN						
15	Course Lecturers:	Prof.Dr.k Yrd.Doç.	Kadri Arslan Dr.Sezayi Hızlıyel						
16	Contact information of the Course Coordinator:	e-mail: esen@uludag.edu.tr phone: 0.224.2941766 address: Uludağ University, Art and Science Faculty, Department of Mathematics,16059, Bursa.							
17	Website:								
18	Objective of the Course:	The aim of the course is to make the students gain the basic subjects of mathematics, to teach the notions of integrals, techniques of integration, applications of integration, further applications of integration, sequences, series and the related notions.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Data detection, evaluation and use the data on suitable places for problems						
		2	The students learn what does integral mean, how to calculate an integral and applications of integration.						
		3	The students know how to solve a problem.						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	burse Content:						
Week									
1	The indefinite integral and continuou functions.	IS	Problems solving.						

2	Upper a theorem	nd low s.	er sun	ns and	d the fu	Indam	ental	Pro	Problems solving.												
3	Definite	Definite integral and Riemann sums.									Problems solving.										
4	Inequali	equalities and improper integrals.								Problems solving.											
5	Substitu fractions	tion, ir s.	ntegrat	ion by	/ parts	and p	artial	Pro	Problems solving.												
6	Trigonor exponer	metric ntial su	integra bstitut	als, bi ions.	nomial	integr	als,	Pro	Problems solving.												
7	Account calculati	the le on.	ngth o	f the o	curve a	nd vo	lume	Pro	Problems solving.												
8	Midterm	Exam	+Repe	eating	course	es		Pro	Problems solving.												
9	Area and revolution	Area and volume calculation of surfaces of evolution									Problems solving.										
10	Account coordina	Account area and arc length in polar coordinates									Problems solving.										
11	Sequen	ces ve	conve	ergend	ce of se	equen	ces.	Pro	blems	s solvin	ıg.										
12	Series, s test, alte test and	Series, series with positive terms, the ratio test, alterne series,power series, the integral test and taylor series.									Problems solving.										
13	Multiple	Aultiple integrals.								s solvin	ıg.										
14	Applicat	ions of	f multip	ole int	egrals.			Pro	oblems	s solvin	ıg.										
22	Textboo Material	Textbooks, References and/or Other Materials:								1. Prof. Dr.Mustafa Balcı, 2003, Genel Matematik I, Balcı Yayınları,Cilt I, 2.Baskı, ISBN-975-6683-00-7,Ankara,418											
Activites							1	Number				Duration (hour)			Total Work Load (hour)						
Theore	tical							67	678 ⁴ s.			3.00			42.00						
Practicals/Labs									14				2.00			28.00					
Self study and preperation													2.00			28.00					
Homeworks								C	0				0.00			0.00					
Ridjects Exam 1									40160				1.00			14.00					
Field Studies									0				0.00			0.00					
Muditer mort aprisject 0									0.00			10.00			10.00						
Others								1	14			3.00			42.00						
Final Exams 2									100.00			16.00			16.00						
Total Work Load															180.00						
학년대 영화 문 18월 / 30 hr														6.00							
ECTS Credit of the Course															6.00						
Total								100	0.00												
Measurement and Evaluation Techniques Used in the Course																					
24	ECTS	/ WO	RK L	OAD	TAB	LE															
25	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	5	0	0	3	0	0	0	0	0	0	0	0					
ÖK2	4	4	0	0	4	0	0	3	0	0	0	0	0	0	0	0					

ÖK3	4	4	4	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			