	COMPLEX	FUN	CTIONS THEORY II						
1	Course Title:	COMPLE	EX FUNCTIONS THEORY II						
2	Course Code:	MAT301	2						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	-						
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	7.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	SİBEL YALÇIN TOKGÖZ						
15	Course Lecturers:	Analiz ve	Fonksiyonlar Teorisi Anabilim Dalı öğretim üyeleri						
16	Contact information of the Course Coordinator:	Bölümü,							
		224 294 tekcan@	17 51 uludag.edu.tr						
17	Website:								
18	Objective of the Course:	The aim of the course is to make the students gain the theory of complex functions from the rest of the fall semester at the undergraduate leve. The goals is to teach the sequences and ser of complex functions, singularities, residues and it's aplications. A to learn to calculate the some real integrals.							
19	Contribution of the Course to Professional Development:	To help the learn informations on complex function theory 2.							
20	Learning Outcomes:								
		1	Learn the compeks numbers						
		2	Learn the complex valued sequence and series						
		3	Learn the uniform convergence of complex valued sequence and series						
		4	Learn the power series and their convergences radius and convergences ball						
		5	Learn the Taylor and Laurent series expansion						
		6	Learn the classification of singularities and calculaiton of these singularities						
		7	Learn the Residue theorem and its applications						
		8	Learn the evaluate of some real integrals by means of residue theorem						
		9	Learn the number of zeros and poles of analytic functions						
0.4	Course Content	10							
21	Course Content:	0-	vivos Contenti						
\\\\a\\\	Theoretical	Co	purse Content:						
		io viov	Practice Solving questions related to subject						
1	Complex numbers and their geometric view Solving questions related to subject								

2	Complex value properties of their converge					Solving questions related to subject													
3	Complex value these seres, c	ed serie	es an ence	d parti	tion su	ıms of ries	Sol	Solving questions related to subject											
4	Function sequences sequences		rm an	d abso	lute	Sol	Solving questions related to subject												
5	Function serie convergences sequences. W		d absol	lute	Sol	Solving questions related to subject													
6		Power series and their convergences radius and convergences ball								Solving questions related to subject									
7	Power series and converge			nverge	nces r	adius	Sol	ving q	uestio	ns relat	ed to su	ıbject							
8	Taylor series	expans	ions				Sol	ving q	uestio	ns relat	ed to su	ıbject							
9	Laurent series	expan	sions	at sin	gular p	ooints	Sol	ving q	uestio	ns relat	ed to su	ıbject							
10	Laurent series	expan	sions	in ring	g doma	ain	Sol	ving q	uestio	ns relat	ed to su	ıbject							
11	, ,							Solving questions related to subject											
12	Residue theorem and its applications						Solving questions related to subject												
13								Solving questions related to subject											
Activi							N	lumb	er		Dura	tion (	hour)	Total V Load (I					
Theore	Materials:						Dar	za Yay	rinevi,	Bursa,	2021.00	'a a' a la la	- D	28.00 htice-Hal					
Practic	als/Labs							4	A A S A I	VA LA	2.00	aname		28.00					
Self st	dy and prepera	ation					134	<u>д. Н. 1</u>	MATHI	=WS ve	15.WoH	OWEL	L. Cor	Pergo An	alysis,				
Home	works							2	прац	1911 191	3.00			36.00					
Pr <b>2</b> 3cc	tsAssesment						0				0.00			0.00					
Field S	Studies						0				0.00 0.00								
Midten	m exams m Fxam				1		401	00			25.00	25.00							
Others							0					0.00							
Final E	xams work-project				0		0.0	0	28.00 28.										
	Vork Load													235.00					
Total v	vork load/ 30 hr						100	00						7.00					
ECTS	Credit of the Co		Loam	m <del>g / to</del>	แขนเบอ	10	7-10.							7.00					
Contribution of Final Exam to Success Grade						60.00													
Total						100.00													
Measu Course	rement and Eva	aluation	n Tec	hnique	s Use	d in the	The	e syste	em of i	elative	evaluat	ion is a	applied.						
24	ECTS / WO	RK L	OAD	TAB	LE														
25		CON	TRIE	BUTIC	ON OI			_	OUT(		S TO I	PROC	SRAM	ME					
	PQ1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16				

25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME  QUALIFICATIONS														
	PQ1	Q1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16														
ÖK1	3	4	4	5	2	2	3	3	2	3	2	3	3	4	4	2

Contrib 1 very low ution Level:			2 low		3	Medi	um		4 Higl	'n		5 Ver	y High			
LO: Learning Objectives PQ: Program Qualifications																
ÖK9	3	4	3	3	3	4	3	2	4	3	3	2	5	4	5	4
ÖK8	2	3	4	5	3	3	3	3	3	3	3	3	3	3	3	3
ÖK7	3	4	2	3	2	4	2	3	3	3	4	4	5	2	4	3
ÖK6	3	2	3	3	3	4	3	3	4	4	3	3	4	2	2	2
ÖK5	2	3	3	4	3	2	4	4	2	3	3	2	4	2	2	3
ÖK4	2	2	2	3	3	4	3	2	4	3	2	4	2	3	2	3
ÖK3	2	4	3	2	2	4	2	3	4	2	4	5	2	3	3	2
ÖK2	4	2	2	3	4	2	3	3	4	2	3	5	3	4	2	4