

ANALYTIC NUMBER THEROY

1	Course Title:	ANALYTIC NUMBER THEROY	
2	Course Code:	MAT3052	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	6	
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:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. İSMAİL NACİ CANGÜL	
15	Course Lecturers:	Doç. Dr. Gökhan Soydan, Doç. Dr. Musa DEMİRCİ, Doç. Dr. Ahmet TEKCAN, Yrd. Doç. Dr. Hacer ÖZDEN	
16	Contact information of the Course Coordinator:	cangul@uludag.edu.tr, 0224 2941756, Fen-Edebiyat Fakültesi, Matematik Bölümü, 16059, Görükle / Bursa	
17	Website:	http://www.ismailnacicangul.com/	
18	Objective of the Course:	To obtain results concerning the distribution of prime numbers and to make an introduction to analytic numbers	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Can define prime numbers and state the known results on their distribution
		2	Can establish relations between arithmetic functions
		3	Can apply the theorems on the distribution of prime numbers
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21	Course Content:		
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Week	Theoretical	Practice	
1	Prime number theorem		
2	Results of the prime number theorem		
3	The analytic proof of prime number theorem		
4	Fundamental theorem of arithmetic		

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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