

KİLİS 7 ARALIK UNIVERSITY  
FACULTY OF ARTS AND SCIENCES  
DEPARTMENT OF MATHEMATICS  
COURSES FOR BA DEGREE



1.Semester Course Plan				
Course Code	Course Name	T+A	Compulsory/ Elective	ECTS
AİİT101	PRINCIPLES OF ATATURK AND HISTORY OF REVOLUTION-I	2+0	Compulsory	2
ENF103	USE OF BASIC INFORMATION TECHNOLOGY	1+2	Compulsory	3
FİZ151	PHYSICS-I	2+2	Compulsory	4
İNG101	ENGLISH-I	3+0	Compulsory	3
MAT101	ANALYSIS-I	4+2	Compulsory	6
MAT103	ANALYTIC GEOMETRY-I	3+0	Compulsory	3
MAT105	ABSTRACT MATHEMATICS-I	4+0	Compulsory	5
TÜRK101	TURKISH LANGUAGE-I	2+0	Compulsory	2
BESR101	PHYSICAL EDUCATION -I	1+1	Elective	2
FEL011	PHILOSOPHY OF SCIENCE -I	2+0	Elective	2
MZK101	MUSIC-I	1+1	Elective	2
			Total ECTS	34
2.Semester Course Plan				
Course Code	Course Name	T+A	Compulsory/ Elective	ECTS
AİİT102	PRINCIPLES OF ATATURK AND HISTORY OF REVOLUTION-II	2+0	Compulsory	2
ENF104	INFORMATICS AND COMPUTER PROGRAMS	2+2	Compulsory	4
FİZ152	PHYSICS-II	2+2	Compulsory	4
İNG102	ENGLISH-II	3+0	Compulsory	3
MAT102	ANALYSIS-II	4+2	Compulsory	5
MAT104	ANALYTIC GEOMETRY-II	3+0	Compulsory	3
MAT106	ABSTRACT MATHEMATICS-II	4+0	Compulsory	5
TÜRK102	TURKISH LANGUAGE - II	2+0	Compulsory	2
BESR102	PHYSICAL EDUCATION-II	1+1	Elective	2
FEL021	PHILOSOPHY OF SCIENCE -II	2+1	Elective	2
MZK102	MUSIC-II	1+1	Elective	2
			Total ECTS	34

3.Semester Course Plan				
Course Code	Course Name	T+A	Compulsory/ Elective	ECTS
MAT201	ADVANCED ANALYSIS -I	4+2	Compulsory	8
MAT203	DIFFERENTIAL EQUATIONS-I	2+2	Compulsory	5
MAT205	LINEAR ALGEBRA -I	2+2	Compulsory	5
MAT207	PROBABILITY AND STATISTICS-I	2+2	Compulsory	4
MAT209	COMPUTER PROGRAMMING -I	2+2	Compulsory	4
FİZ030	THEORY OF RELATIVITY-I	2+0	Elective	2
IKT030	ECONOMETRICS-I	2+0	Elective	2
IKT031	CURRENT ECONOMIC ISSUES	2+0	Elective	2
MAT030	GEOMETRY-I	2+0	Elective	2
			Total ECTS	34
4.Semester Course Plan				
Course Code	Course Name	T+A	Compulsory/ Elective	ECTS
MAT202	ADVANCED ANALYSIS -II	4+2	Compulsory	7
MAT204	DIFFERENTIAL EQUATIONS-II	2+2	Compulsory	5
MAT206	LINEAR ALGEBRA -II	2+2	Compulsory	5
MAT208	PROBABILITY AND STATISTICS -II	2+2	Compulsory	4
MAT210	COMPUTER PROGRAMMING -II	2+2	Compulsory	5
FİZ040	THEORY OF RELATIVITY-II	2+0	Elective	2
IKT040	ECONOMETRICS-II	2+0	Elective	2
ISL040	PUBLIC RELATIONS	2+0	Elective	2
MAT040	GEOMETRY-II	2+0	Elective	2
			Total ECTS	34
5.Semester Course Plan				
Course Code	Course Name	T+A	Compulsory/ Elective	ECTS
MAT301	COMPLEX FUNCTION THEORY-I	4+0	Compulsory	6
MAT303	ABSTRACT ALGEBRA-I	4+0	Compulsory	5
MAT305	GENERAL TOPOLOGY-I	4+0	Compulsory	6
MAT307	VOCATIONAL ENGLISH-I	3+0	Compulsory	3
MAT050	NUMERICAL ANALYSIS-I	4+0	Elective	5
MAT051	HISTORY OF MATHEMATICS-I	4+0	Elective	5
MAT052	MATRIX ANALYSIS -I	4+0	Elective	5

MAT053	SYSTEM ANALYSIS AND DESIGN	4+0	Elective	5
MAT054	BULANIK KÜME TEORİSİ	4+0	Elective	5
			Total ECTS	45
	6.Semester Course Plan			
<b>Course Code</b>	<b>Course Name</b>	<b>T+A</b>	<b>Compulsory/ Elective</b>	<b>ECTS</b>
MAT302	COMPLEX FUNCTION THEORY-II	4+0	Compulsory	6
MAT304	ABSTRACT ALGEBRA -II	4+0	Compulsory	5
MAT306	GENERAL TOPOLOGY -II	4+0	Compulsory	6
MAT308	VOCATIONAL ENGLISH-II	3+0	Compulsory	3
MAT060	NUMERICAL ANALYSIS-II	4+0	Elective	5
MAT061	HISTORY OF MATHEMATICS-II	4+0	Elective	5
MAT062	MATRIX ANALYSIS -II	4+0	Elective	5
MAT063	FINANCIAL MATHEMATICS	4+0	Elective	5
MAT064	OYUN TEORİSİ	4+0	Elective	5
			Total ECTS	45
	7.Semester Course Plan			
<b>Course Code</b>	<b>Course Name</b>	<b>T+A</b>	<b>Compulsory/ Elective</b>	<b>ECTS</b>
MAT401	REAL ANALYSIS-I	4+0	Compulsory	5
MAT403	DIFFERENTIAL GEOMETRY-I	4+0	Compulsory	5
MAT405	GRADUATE THESIS-I	0+2	Compulsory	5
MAT070	FUNCTIONAL ANALYSIS-I	4+0	Elective	5
MAT071	PARTIAL DIFFERENTIAL EQUATIONS	4+0	Elective	5
MAT072	TOPOLOGICAL GROUPS	4+0	Elective	5
MAT073	COMPUTER AIDED MATHEMATICAL ANALYSIS-I	4+0	Elective	5
MAT074	FUZZY SET THEORY	4+0	Elective	5
MAT075	INTRODUCTION TO CONTROL THEORY-I	4+0	Elective	5
MAT076	NUMBER THEORY	4+0	Elective	5
			Total ECTS	50
	8.Semester Course Plan			
<b>Course Code</b>	<b>Course Name</b>	<b>T+A</b>	<b>Compulsory/ Elective</b>	<b>ECTS</b>
MAT402	REAL ANALYSIS-II	4+0	Compulsory	5
MAT404	DIFFERENTIAL GEOMETRY-II	4+0	Compulsory	5
MAT406	GRADUATE THESIS-II	0+2	Compulsory	5

MAT080	FUNCTIONAL ANALYSIS-II	4+0	Elective	5
MAT081	SELECTED TOPICS IN ANALYSIS	4+0	Elective	5
MAT082	ADVANCED PROGRAMMING	4+0	Elective	5
MAT083	COMPUTER AIDED MATHEMATICAL ANALYSIS -II	4+0	Elective	5
MAT085	INTRODUCTION TO CONTROL THEORY -II	4+0	Elective	5
MAT086	INTEGRAL EQUATIONS	4+0	Elective	5
			Total ECTS	45
	T= Theory			
	A= Application			
	ECTS= European Credit Transfer System			

\*These courses are for BA - Bachelor Degree and offered only in specified academic semester.

\*\* PLEASE be aware that some classes may be cancelled or offered as individual study if there are not enough students registered for them.

\*\*\* For detailed information, please contact [mevlana@kilis.edu.tr](mailto:mevlana@kilis.edu.tr)