

KIRKLARELI UNIVERSITY FACULTY OF ARTS AND SCIENCES
EDUCATION COURSE PLAN OF MATHEMATICS DEPARTMENT
(Valid from 2016-2017 Education Year.)

1.Semester Course Plan					
	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	MAT13101	ANALYSIS-I	4+2	Compulsory	8
	MAT13103	LINEAR ALGEBRA I	3+2	Compulsory	6
	MAT16107	ANALYTIC GEOMETRY I	3+0	Compulsory	6
	UNV13101	TURKISH LANGUAGE	2+0	Compulsory	2
	UNV13103	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0	Compulsory	2
	UNV13105	ENGLISH I	4+0	Compulsory	4
	UNV13107	BASIC INFORMATION TECHNOLOGY	1+1	Compulsory	2
				Total ECTS	30

2.Semester Course Plan					
	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	MAT13102	ANALYSIS II	4+2	Compulsory	8
	MAT13104	LINEAR ALGEBRA II	3+2	Compulsory	6
	MAT16108	ANALYTIC GEOMETRY II	3+0	Compulsory	6
	MAT16110	COMPUTER APPLICATION	0+2	Compulsory	2
	UNV13102	TURKISH LANGUAGE-II	2+0	Compulsory	2
	UNV13104	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2+0	Compulsory	2
	UNV13106	ENGLISH II	4+0	Compulsory	4
				Total ECTS	30

3.Semester Course Plan					
	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	FIZ13251	PHYSICS-I	3+0	Compulsory	5
	MAT13201	ANALYSIS III	4+2	Compulsory	8
	MAT13211	DIFFERENTIAL EQUATIONS I	3+2	Compulsory	5
	MAT16213	PROBABILITY-STATISTICS I	1+2	Compulsory	4
	MAT16215	ABSTRACT MATHEMATICS I	3+0	Compulsory	4
	UNV13201	ENGLISH III	4+0	Compulsory	4
				Total ECTS	30

4.Semester Course Plan					
	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	FIZ13252	PHYSICS II	3+0	Compulsory	5
	MAT13202	ANALYSIS IV	4+2	Compulsory	8
	MAT16214	DIFFERENTIAL EQUATIONS II	3+2	Compulsory	5
	MAT16216	PROBABILITY-STATISTICS II	1+2	Compulsory	4
	MAT16218	INTRODUCTION TO PROGRAMMING	2+2	Compulsory	4
	MAT16220	ABSTRACT MATHEMATICS II	3+0	Compulsory	4
				Total ECTS	30

5.Semester Course Plan	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	MAT13301	COMPLEX FUNCTIONS THEORY I	3+0	Compulsory	4
	MAT13303	ABSTRACT ALGEBRA I	3+0	Compulsory	4
	MAT13305	DIFFERENTIAL GEOMETRY I	3+0	Compulsory	5
	MAT13307	PARTIAL DIFFERENTIAL EQUATIONS I	3+0	Compulsory	5
	MAT16315	PROGRAMMING	2+2	Compulsory	4
	SEÇ-I	ELECTIVE COURSES-I	3+0	Elective	4
	SEÇ-II	ELECTIVE COURSES-II	3+0	Elective	4
				Total ECTS	30
Elective Courses					
	MAT13309	GEOMETRIES	3+0	<i>Elective</i>	4
	MAT13311	HISTORY OF MATHEMATICS	3+0	<i>Elective</i>	4
	MAT13313	MATRIX THEORY	3+0	<i>Elective</i>	4
	UNV13020	OCCUPATIONAL ENGLISH I	3+0	<i>Elective</i>	4
	UNV13030	GERMAN LANGUAGE I	3+0	<i>Elective</i>	4

6.Semester Course Plan	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	MAT13302	COMPLEX FUNCTIONS THEORY II	3+0	Compulsory	4
	MAT13304	ABSTRACT ALGEBRA II	3+0	Compulsory	4
	MAT13306	DIFFERENTIAL GEOMETRY II	3+0	Compulsory	5
	MAT13308	PARTIAL DIFFERENTIAL EQUATIONS II	3+0	Compulsory	5
	MAT13310	TOPOLOGY	3+0	Compulsory	4
	SEÇ-III	ELECTIVE COURSES-III	3+0	Elective	4
	SEÇ-IV	ELECTIVE COURSES-IV	3+0	Elective	4
				Total ECTS	30
Elective Courses					
	MAT13312	FOURIER SERIES AND THEIR INTEGRALS	3+0	<i>Elective</i>	4
	MAT13314	VECTORIAL ANALYSIS	3+0	<i>Elective</i>	4
	MAT13316	MATHEMATICAL REASONING	3+0	<i>Elective</i>	4
	MAT13318	NON-EUCLIDEAN GEOMETRIES	3+0	<i>Elective</i>	4
	MAT16320	MATHEMATICAL RESEARCH METHODS AND TECHNIQUES	3+0	<i>Elective</i>	4
	UNV13021	OCCUPATIONAL ENGLISH II	3+0	<i>Elective</i>	4
	UNV13031	GERMAN LANGUAGE II	3+0	<i>Elective</i>	4

7.Semester Course Plan					
	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	MAT16427	NUMERICAL ANALYSIS I	2+2	Compulsory	4
	MAT16429	FUNCTIONAL ANALYSIS I	3+0	Compulsory	6
	MAT16431	REAL ANALYSIS	3+0	Compulsory	4
	SEÇ-V	ELECTIVE COURSES-V	3+0	Elective	4
	SEÇ-VI	ELECTIVE COURSES-VI	3+0	Elective	4
	SEÇ-VII	ELECTIVE COURSES-VII	3+0	Elective	4
	SEÇ-VIII	ELECTIVE COURSES-VIII	3+0	Elective	4
				Total ECTS	30
Elective Courses					
	MAT13407	APPLIED MATHEMATICS I	3+0	<i>Elective</i>	4
	MAT13409	PROJECTIVE GEOMETRY	3+0	<i>Elective</i>	4
	MAT13411	LINEAR PROGRAMMING	3+0	<i>Elective</i>	4
	MAT13413	NUMERICAL SOLUTIONS OF DIFFERENTIAL EQUATIONS	3+0	<i>Elective</i>	4
	MAT13415	DIFFERENTIAL EQUATION SYSTEMS	3+0	<i>Elective</i>	4
	MAT13417	TENSOR ALGEBRA	3+0	<i>Elective</i>	4
	MAT13419	STOCHASTIC MODELS AND PROCESSES	3+0	<i>Elective</i>	4
	MAT13421	DIFFERENTIABLE MANIFOLDS	3+0	<i>Elective</i>	4
	MAT13423	ADVANCE ALGEBRAIC TOPICS	3+0	<i>Elective</i>	4
	MAT13425	HISTORY OF SCIENCE	3+0	<i>Elective</i>	4
	MAT16433	FIELD EXTENSIONS AND GALOIS THEORY	3+0	<i>Elective</i>	4
	UNV13022	OCCUPATIONAL ENGLISH III	3+0	<i>Elective</i>	4
	UNV16032	GERMAN LANGUAGE III	3+0	<i>Elective</i>	4

8.Semester Course Plan					
	Course Code	Course Name	T+A	Compulsory/Elective	ECTS
	MAT16430	FUNCTIONAL ANALYSIS II	3+0	Compulsory	6
	SEÇ-10	ELECTIVE COURSES-10	3+0	Elective	4
	SEÇ-11	ELECTIVE COURSES-11	3+0	Elective	4
	SEÇ-12	ELECTIVE COURSES-12	3+0	Elective	4
	SEÇ-13	ELECTIVE COURSES-13	3+0	Elective	4
	SEÇ-14	ELECTIVE COURSES-14	3+0	Elective	4
	SEÇ-9	ELECTIVE COURSES-9	3+0	Elective	4
				Total ECTS	30
Elective Courses					
	MAT13408	APPLIED MATHEMATICS II	3+0	<i>Elective</i>	4
	MAT13410	INTEGRAL TRANSFORMATIONS	3+0	<i>Elective</i>	4
	MAT13412	NUMBER THEORY	3+0	<i>Elective</i>	4
	MAT13414	SCATTERING THEORY	3+0	<i>Elective</i>	4
	MAT13416	SEMI-RIEMANN GEOMETRY	3+0	<i>Elective</i>	4
	MAT13418	SPECIAL TOPICS WITHIN MAPLE	3+0	<i>Elective</i>	4
	MAT13420	WEB DESIGN	3+0	<i>Elective</i>	4
	MAT13422	MODUL THEORY	3+0	<i>Elective</i>	4
	MAT13424	SPECIAL FUNCTIONS	3+0	<i>Elective</i>	4
	MAT13426	ALGEBRA III	3+0	<i>Elective</i>	4
	MAT13428	PROJECT MANAGEMENT	3+0	<i>Elective</i>	4
	MAT16432	THEORY OF COMPUTATION AND INTEGRAL	3+0	<i>Elective</i>	4
	UNV13023	OCCUPATIONAL ENGLISH IV	3+0	<i>Elective</i>	4
	UNV16033	GERMAN LANGUAGE IV	3+0	<i>Elective</i>	4