

**İLKÖĞRETİM MATEMATİK EĞİTİMİ PROGRAMI / ELEMENTARY MATHEMATICS EDUCATION PROGRAM**

**BİRİNCİ YARIYIL (GÜZ) / FIRST SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
MATH 101	Introduction to Set Theory and Logic	-	3	2	0	4	8
MATH 131	Calculus I	-	3	2	0	4	6
ED 101	Introduction to Educational Sciences	-	3	0	0	3	6
CET 110	Basic Computer Applications	-	2	0	2	3	5
AFE 131	Academic English I	-	2	2	0	3	4
Toplam			13	6	2	17	29

**İKİNCİ YARIYIL (BAHAR) / SECOND SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
MATH 102	Basic Algebraic Structures	MATH101	3	2	0	4	8
MATH 132	Calculus II	MATH131	3	2	0	4	6
EDEM 102	Development of Mathematical Concepts	-	3	0	0	3	8
ED 221	Educational Psychology	-	3	0	0	3	5
AFE 132	Academic English II	AFE 131	2	2	0	3	4
Toplam			14	6	0	17	31

**ÜÇÜNCÜ YARIYIL (GÜZ) / THIRD SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
MATH 255	Calculus III	MATH 132	3	2	0	4	8
MATH 111	Analytical Geometry	-	3	2	0	4	9
EDEM 240	Geometry for Teachers	-	3	0	0	3	6
ED 340	Instructional Principles and Methods	-	3	0	0	3	6
TKL 201	Turkish Language I	-	2	0	0	2	2
Toplam			14	4	0	16	31

**DÖRDÜNCÜ YARIYIL (BAHAR) / FOURTH SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
MATH 241	Differential Equations	MATH 132	3	2	0	4	6
MATH 221	Linear Algebra	-	4	0	0	4	6
EDEM 205	Contemporary Trends in Teaching Mathematics	-	3	0	0	3	7
HUM 103	Humanities	-	2	0	0	2	3
TKL 202	Turkish Language II	-	2	0	0	2	2
	Unrestricted Elective I	-	3	0	0	3	5
Toplam			17	2	0	18	29

**BEŞİNCİ YARIYIL (GÜZ) / FIFTH SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHYS 101	Physics I		3	0	2	4	6
EDEM 325	Development of Thinking Skills		3	0	0	3	6
HTR 301	History of Turkish Revolution I		2	0	0	2	2
ED 103	Guidance in Education		3	0	0	3	6
EDGN 200	Social Awareness		0	4	0	2	4
EDEM 48x	Area Elective I		3	0	0	3	6
Toplam			14	4	2	17	30

**ALTINCI YARIYIL (BAHAR) / SIXTH SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
STAT 410	Statistics		3	0	0	3	5
EDEM 346	Task-based Mathematics Instruction		3	0	0	3	7
ED 477	Classroom Management		3	0	0	3	5
HTR 302	History of Turkish Revolution II		2	0	0	2	2
EDEM 48x	Area Elective II		3	0	0	3	6
	Unrestricted Elective II		3	0	0	3	5
Toplam			17	0	0	17	30

**YEDİNCİ YARIYIL (GÜZ) / SEVENTH SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
EDEM 427	Teaching Methods in Elementary Mathematics I		2	2	0	3	8
EDEM 406	School Experience		1	4	0	3	6
RSCH 410	Scientific Research Methods		3	0	0	3	4
ED 440	Measurement and Evaluation		3	0	0	3	5
EDEM 48x	Area Elective III		3	0	0	3	6
Toplam			12	6	0	15	29

**SEKİZİNCİ YARIYIL (BAHAR) / EIGHTH SEMESTER**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
EDEM 428	Teaching Methods in Elementary Mathematics II	EDEM 427	2	2	0	3	8
EDEM 408	Teaching Practice	EDEM 406	2	6	0	5	6
EDEM 456	Material Development in Elementary Mathematics		2	2	0	3	5
EDEM 48x	Area Elective IV		3	0	0	3	6
EDEM 48x	Area Elective V		3	0	0	3	6
Toplam			12	10	0	17	31
Genel Toplam						134	240

**BÖLÜM SEÇMELİ DERSLER (GÜZ) / AREA ELECTIVES**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
EDEM 481	Analysis of Mathematics Course		3	0	0	3	6
EDEM 483	Exploring Geometry		3	0	0	3	6
EDEM 485	Evaluation of Mathematics Instruction		3	0	0	3	6
EDEM 487	Teaching Probability and Statistics		3	0	0	3	6

**BÖLÜM SEÇMELİ DERSLER (BAHAR) / AREA ELECTIVES**

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
EDEM 480	Teaching Mathematics for Social Justice		3	0	0	3	6
EDEM 482	Qualitative Research Methods in Mathematics Education		3	0	0	3	6
EDEM 484	Mathematical Modelling and Problem Solving		3	0	0	3	6
EDEM 486	Contemporary Issues in Elementary Mathematics Education		3	0	0	3	6
EDEM 488	Examination of Old Texts in Mathematics Education		3	0	0	3	6