HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   77 OF 2015

The decree of Faculty Committee dated 12.02.2015 and with number 061 of 2015 and the decree of University Curriculum Committee about changing **7 ECTS credits** of the course **"MAT 148 Linear Algebra" (4 0 4)** which is offered to the students of Department of Actuarial Science by Faculty of Science Department of Mathematics to **5 ECTS**as demonstrated in the attachment beginning from Spring term of 2014-2015 academic year are approved.

CURRICULUM TABLE Hacettepe University Faculty of Science Mathematics Programme Bachelor's Degree (The sections of which education language is English are stated at the end of the document.)											
FALL						**SPRING**					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**SECTION**	**COURSE CODE AND NAME**	**T**	**P**	**C**	**ECTS**	**SECTION**
1st Semester						**2nd Semester**					
MTK 111CALCULUS FOR MATH STUDENTS I	4	2	5	8	5	MTK 112CALCULUS FOR MATH STUDENTS II	4	2	5	7	5
MTK 141 ABSTRACT MATHEMATICS I	4	0	4	7	5	MTK 142ABSTRACT MATHEMATICS II	4	0	4	7	5
MTK 151 ANALYTIC GEOMETRY I	3	0	3	6	3	MTK 152ANALYTIC GEOMETRY II	3	0	3	5	3
FİZ 113 PHYSICS I	3	0	3	4		FİZ 114 PHYSICS II	3	0	3	4	
ING 127 BASIC ENGLISH I	2	2	3	3		BEB 650 BASIC INFORMATION and COMMUNICATION TECH	0	2	1	2	
TKD 103 TURKISH LANGUAGE I	2	0	2	2		ING 128 BASIC ENGLISH II	2	2	3	3	
						TKD 104TURKISH LANGUAGE II	2	0	2	2	
IN TOTAL FOR MUST COURSES			**20**	**30**		**IN TOTAL FOR MUST COURSES**			**21**	**30**	
IN TOTAL FOR ELECTIVE COURSES			**-**	**-**		**IN TOTAL FOR ELECTIVE COURSES**			**-**	**-**	
1st Semester Total			**20**	**30**		**2nd Semester Total**			**21**	**30**	
3rd Semester						**4th Semester**					
MTK 201ANALYSIS III	4	2	5	7	5	MTK 202ANALYSIS IV	4	2	5	8	5
MTK 203DIFFERENTIAL EQUATIONS	4	0	4	5	3	MTK 242LINEAR ALGEBRA II	4	2	5	8	4
MTK 241LINEAR ALGEBRA I	4	2	5	8	4	MTK 262APPLIED COMPUTER ALGEBRA	2	0	2	4	4
İST 215INTRODUCTION TO STATISTICS	4	0	4	5		ING 238ENGLISH IV	3	0	3	3	
ING 237ENGLISH III	3	0	3	3		AİT 204ATATÜRKS PRIN.& A HIS.of HIS REF.II	2	0	2	2	
AİT 203ATATÜRKS PRIN.& A HIS.of HIS REF.I	2	0	2	2		**ELECTIVE COURSE GROUP (Non-departmental**)**			**4**	**5**	
IN TOTAL FOR MUST COURSES			**23**	**30**		**IN TOTAL FOR MUST COURSES**			**17**	**25**	
IN TOTAL FOR ELECTIVE COURSES			**-**	**-**		**IN TOTAL FOR ELECTIVE COURSES**			**4**	**5**	
3rd Semester Total			**23**	**30**		**4th Semester Total**			**21**	**30**	
5th Semester						**6th Semester**					
MTK 311THEORY of COMPLEX FUNCTIONS	4	2	5	7	2	MTK 302PARTIAL DIFFERANTIAL EQUATIONS	4	0	4	7	4
MTK 345 ABSTRACT ALGEBRA I	3	2	4	7	4	MTK 322 GENERAL TOPOLOGY	4	0	4	6	3
MTK 351 DIFFERENTIAL GEOMETRY I	4	0	4	6	4	MTK 346 ABSTRACT ALGEBRA II	3	2	4	7	4

	T	P	C	ECTS			T	P	C	ECTS	
ELECTIVE COURSE GROUP (Area*)			8	10		ELECTIVE COURSE GROUP (Area*)			8	10	
IN TOTAL FOR MUST COURSES			13	20		IN TOTAL FOR MUST COURSES			12	20	
IN TOTAL FOR ELECTIVE COURSES			8	10		IN TOTAL FOR ELECTIVE COURSES			8	10	
5th Semester Total			21	30		6th Semester Total			20	30	
7th Semester						8th Semester					
MTK 413 BASICS of THEO.of FUNCTIONS and FUNCTIONAL ANALY.	4	0	4	6	2	ELECTIVE COURSE GROUP (Area*)			9	21	
ELECTIVE COURSE GROUP (Area*)			9	21		ELECTIVE COURSE GROUP (Non-departmental**)			4	9	
ELECTIVE COURSE GROUP (Non-departmental**)			1	3							
IN TOTAL FOR MUST COURSES			4	6		IN TOTAL FOR MUST COURSES			-	-	
IN TOTAL FOR ELECTIVE COURSES			10	24		IN TOTAL FOR ELECTIVE COURSES			13	30	
7th Semester Total			14	30		8th Semester Total			13	30	

GRAND TOTAL	240 (National credit: 153)
TOTAL CREDITS FOR MUST COURSES	161 (National credit: 110)
TOTAL CREDITS FOR ELECTIVE COURSES	79 (Area Elective: 62, Non-departmental: 17) (With national credit: Area Elective: 34, Non-departmental: 9)
CREDITS PERCENTAGE FOR MUST COURSES	% 67
CREDITS PERCENTAGE FOR ELECTIVE COURSES	% 33 (Area Elective: % 78, Non-departmental: % 22)

* Area courses are the ones coded MTK. It is compulsory to choose 62 credits ECTS (34 national credits) to graduate.

** Non-departmental courses are the ones coded different than MTK.The elective courses stated as non-departmental are not compulsory, instead of these courses students can enroll area elective courses or elective courses offered by the university. It is compulsory to choose 17 credits ECTS (9 national credits) to graduate.

ELECTIVE COURSES	T	P	C	ECTS	NUMBER OF SECTIONS
4th Semester Elective Courses:					
MTK 270 INTRODUCTION TO PROGRAMMING (Fall + Spring)	4	0	4	5	2
İST 218PROBABILITY	4	0	4	5	
5th Semester Elective Courses:					
MTK 303FOURIER TRANSFORMS	4	0	4	5	1
MTK 321 METRIC SPACES (Fall + Spring) (Section: 01-50)	4	0	4	5	2
MTK 333NUMERIC ANALYSIS I (Section: 01-50)	4	0	4	5	2
MTK 355GEOMETRIC LINEAR ALGEBRA I (Fall + Spring) (Section: 01-50)	4	0	4	5	2
MTK 361DISCRETE STRUCTURES	4	0	4	5	1
MTK 363INTRODUCTION TO COMPUTER ALGORITHMS (Fall + Spring)	3	0	3	5	2

6th Semester Elective Courses:					
MTK 308INTRODUCTION TO OPTIMIZATION	4	0	4	5	1
MTK 334NUMERIC ANALYSIS II(Section: 01-50)	4	0	4	5	2
MTK 348 ELEMENTARY NUMBER THEORY (Fall + Spring)	4	0	4	5	1
MTK 354 DIFFERENTIAL GEOMETRY II (Fall + Spring)	4	0	4	5	3
MTK 356 GEOMETRIC LINEAR ALGEBRA II (Fall + Spring) (Section: 01-50)	4	0	4	5	2
7th Semester Elective Courses:					
MTK 403 INTRODUCTION TO GAME THEORY (Fall + Spring) (Section: 01-50)	3	0	3	7	1
MTK 409RESEARCH METHODS I	0	4	2	2	36
MTK 431AN INTRO. TO COMPUTATIONAL ALGEBRA I	3	0	3	7	1
MTK 435 COMMUTATIVE RING THEORY I (Fall + Spring)	3	0	3	7	1
MTK 437FUZZY MATHEMATICS	3	0	3	7	1
MTK 439 RINGS and MODULES (Fall + Spring) (Section: 01-50)	3	0	3	7	2
MTK 443 CALCULUS ON MANIFOLDS I (Fall + Spring)	3	0	3	7	1
MTK 445ELEMENTARY KNOT THEORY	3	0	3	7	1
MTK 447NONLINEAR PROGRAMMING	3	0	3	7	1
MTK 449INTRODUCTION TO ALGEBRAIC CODING THEORY	3	0	3	7	1
MTK 453TRANSFORMATIONS and GEOMETRIES I	3	0	3	7	1
MTK 455FRACTAL GEOMETRY I	3	0	3	7	1
MTK 457 INTRODUCTION TO HYPERBOLIC GEOMETRY (Fall + Spring) (Section: 01-50)	3	0	3	7	2
MTK 463 THE HISTORY of MATHEMATICS (Fall + Spring)	2	0	2	3	1
MTK 465PROGRAMMING WITH MATLAB	2	0	2	3	1
MTK 467OBJECT ORIENTED PROGRAMMING	2	2	3	7	1
MTK 469 ALGEBRA and NUMBER THEORY WITH GAP (Fall + Spring)	3	0	3	7	1
MTK 473JAVA (Fall + Spring)	3	0	3	7	2
MTK 481INTRODUCTION TO SET THEORY	4	0	4	7	1
MTK 485 ROUGH SET THEORY (Fall + Spring)	3	0	3	7	1
MTK 493SEMINAR I	0	2	1	2	1
MTK 497 COMPUTER AIDED MATH. PROJECT I	0	4	2	2	36
FEL 110-001/003/005INTRODUCTION TO PHILOSOPHY	3	0	3	5	
ING 337ENGLISH V	3	0	3	3	
ING 437ENGLISH VII	3	0	3	3	
8th Semester Elective Courses:					
MTK 406 MATHEMATICAL MODELING	4	0	4	7	1
MTK 410RESEARCH METHODS II	0	4	2	2	36
MTK 412ANALYTIC NUMBER THEORY	4	0	4	7	1
MTK 414TRAINING COURSE (Fall + Spring)	0	2	1	4	1
MTK 416AN INT. TO BANACH LATTICES and POSITIVE OPERATORS	4	0	4	7	1
MTK 430OPERATOR THEORY ON HILBERT SPACES	4	0	4	7	1
MTK 432AN INTRO. TO COMPUTATIONAL ALGEBRA II	3	0	3	7	1
MTK 434ALGEBRAIC CURVES	3	0	3	7	1

Course	T	P	C	E	Q
MTK 436COMMUTATIVE RING THEORY II	3	0	3	7	1
MTK 438FUZZY TOPOLOGY	3	0	3	7	1
MTK 442APPLIED ABSTRACT ALGEBRA	3	0	3	7	1
MTK 446INTRODUCTION TO GEOMETRIC TOPOLOGY(Section: 01-50)	3	0	3	7	2
MTK 448CONVEX OPTIMIZATION	3	0	3	7	1
MTK 450CALCULUS ON MANIFOLDS II (Section: 01-50)	3	0	3	7	1
MTK 454TRANSFORMATIONS and GEOMETRIES II	3	0	3	7	1
MTK 456FRACTAL GEOMETRY II	3	0	3	7	1
MTK 462GRAPH THEORY	3	0	3	7	1
MTK 464DATA STRUCTURES and ALGORITHMS	2	2	3	7	1
MTK 466MATHEMATICAL TYPING SKILLS	2	0	2	3	1
MTK 482SPECIAL FUNCTIONS and CLASSICAL ORTHOGONAL POLYNOM(Section: 01-50)	3	0	3	7	2
MTK 494SEMINAR II	0	2	1	2	1
MTK 498COMPUTER ADIDED MATH. PROJECT I	0	4	2	2	36
FEL 110-002/004/006INTRODUCTION TO PHILOSOPHY	3	0	3	5	
EKO 116-10-11GENERAL ECONOMICS	3	0	3	4	
ING 338ENGLISH VI	3	0	3	3	
ING 438ENGLISH VIII	3	0	3	3	
BYL 120-01THE DNA ERA	3	0	3	5	
AKT 450-01INTRODUCTION TO ACTUARIAL MATHEMATICS	3	0	3	6	

Attention: Education language of the courses listed below as English.

1) MTK 111-01CALCULUS FOR MATH STUDENTS I
2) MTK 112-01CALCULUS FOR MATH STUDENTS II
3) MTK 141-01ABSTRACT MATHEMATICS I
4) MTK 142-01ABSTRACT MATHEMATICS II
5) MTK 201-01ANALYSIS III
6) MTK 202-01ANALYSIS IV
7) MTK 241-01 LINEAR ALGEBRA I
8) MTK 242-01LINEAR ALGEBRA II
9) MTK 262-01APPLIED COMPUTER ALGEBRA
10) MTK 351-01DIFFERENTIAL GEOMETRY I
11) MTK 354-01 DIFFERENTIAL GEOMETRY II
12) MTK 321-50 METRIC SPACES
13) MTK 322-50GENERAL TOPOLOGY (MANDATORY)
14) MTK 333-50 NUMERIC ANALYSIS I
15) MTK 334-50NUMERIC ANALYSIS II
16) MTK 345-50ABSTRACT ALGEBRA I(MANDATORY)
17) MTK 346-50ABSTRACT ALGEBRA II(MANDATORY)
18) MTK 355-50GEOMETRIC LINEAR ALGEBRA I
19) MTK 356-50GEOMETRIC LINEAR ALGEBRA II
20) MTK 439-50RINGS and MODULES

21) MTK 446-50INTRODUCTION TO GEOMETRIC TOPOLOGY

22) MTK 482-50SPECIAL FUNCTIONS and CLASSICAL ORTHOGONAL POLYNOM

23) MTK 457-50 INTRODUCTION TO HYPERBOLIC GEOMETRY

Table 2 SERVICE COURSE TABLE Hacettepe University Faculty of Science Mathematics Programme					
Course Code and Name	**P**	**T**	**C**	**ECTS**	**NUMBER OF SECTIONS**
MAT103 BASIC MATHEMATICS I	2	0	2	3	1
MAT105 BASIC MATHEMATICS	3	0	3	3	6
MAT107 CALCULUS I	4	0	4	5	13
MAT113 BASIC MATHEMATICS I	2	2	3	3	2
MAT115 MATHEMATICS	2	0	2	4	1
MAT117 BASIC MATHEMATICS	3	0	3	3	1
MAT119 BASIC MATHEMATICS	2	2	3	4	1
MAT121 MATHEMATICS I	3	2	4	6	6
MAT123 MATHEMATICS I	4	2	5	6	13
MAT125 MATHEMATICS I	4	2	5	6	1
MAT145 CALCULUS I	3	0	3	4	7
MAT223 ENGINEERING MATHEMATICS	4	0	4	5	2
MAT225 ADVANCED MATHEMATICS I	3	2	4	6	4
MAT235 ENGINEERING MATHEMATICS I	4	0	4	5	4
MAT245 LINEAR ALGEBRA	4	0	4	5	2
MAT307 NUMERICAL ANALYSIS	4	0	4	5	3
MAT108 CALCULUS II	4	0	4	5	10
MAT122 MATHEMATICS II	3	2	4	6	6
MAT124 MATHEMATICS II	4	2	5	6	11
MAT126 MATHEMATICS II	4	2	5	6	1
MAT144 INTRODUCTION TO LINEAR ALGEBRA	4	0	4	4	7
MAT146 CALCULUS II	3	0	3	4	7
MAT148 LINEAR ALGEBRA	**4**	**0**	**4**	~~**7**~~ **5**	**2**
MAT226 ADVANCED MATHEMATICS II	3	2	4	6	4
MAT236 ENGINEERING MATHEMATICS II	4	0	4	5	3
MAT238 ENGINEERING MATHEMATICS	4	0	4	5	4
MAT248 DIFFERENTIAL EQUATIONS	4	0	4	5	2
MAT254 FUNDAMENTAL LINEAR ALGEBRA	3	0	3	4	2

The departments and education language of the courses are listed below:

FALL SEMESTER						
Course Code-Section-Name	**P**	**T**	**C**	**ECTS**	**EDUCATION LANGUAGE**	**DEPARTMENT**
MAT103-01 BASIC MATHEMATICS I	**2**	**0**	**2**	**3**	**T**	**Sports Sciences**
MAT105-01 BASIC MATHEMATICS	3	0	3	3	T	Social Work
MAT105-02 BASIC MATHEMATICS	3	0	3	3	T	Social Work
MAT105-03 BASIC MATHEMATICS	3	0	3	3	T	
MAT105-21 BASIC MATHEMATICS	3	0	3	3	E	Social Work
MAT105-22 BASIC MATHEMATICS	3	0	3	3	E	Social Work
MAT105-23 BASIC MATHEMATICS	3	0	3	3	T	
MAT107-01 CALCULUS I	**4**	**0**	**4**	**5**	**E**	**Geological Engineering**
MAT107-02 CALCULUS I	**4**	**0**	**4**	**5**	**E**	
MAT107-03 CALCULUS I	**4**	**0**	**4**	**5**	**E**	**Mining Engineering**
MAT107-04 CALCULUS I	**4**	**0**	**4**	**5**	**E**	**Chemical Engineering**
MAT107-05 CALCULUS I	**4**	**0**	**4**	**5**	**E**	**Chemical Engineering**
MAT107-06 CALCULUS I	**4**	**0**	**4**	**5**	**E**	
MAT107-07 CALCULUS I	**4**	**0**	**4**	**5**	**T**	
MAT107-08 CALCULUS I	**4**	**0**	**4**	**5**	**T**	**Hydrogeology Engineering**
MAT107-09 CALCULUS I	**4**	**0**	**4**	**5**	**T**	**Geological Engineering**
MAT113-01 BASIC MATHEMATICS I	2	2	3	3	T	Child Development
MAT113-01 BASIC MATHEMATICS I	2	2	3	3	T	
MAT115-01 MATHEMATICS	**2**	**0**	**2**	**4**	**T**	**Pharmacy**
MAT117-01 BASIC MATHEMATICS	3	0	3	3	E	Nutrition and Dietetics
MAT119-01 BASIC MATHEMATICS	**2**	**2**	**3**	**4**	**T**	**Family and Consumer Sciences**
MAT121-01 MATHEMATICS I	**3**	**2**	**4**	**6**	**E**	**Statistics**
MAT121-02 MATHEMATICS I	**3**	**2**	**4**	**6**	**T**	**Statistics**
MAT121-03 MATHEMATICS I	**3**	**2**	**4**	**6**	**T**	**Statistics**
MAT121-04 MATHEMATICS I	**3**	**2**	**4**	**6**	**T**	**Statistics**
MAT121-05 MATHEMATICS I	**3**	**2**	**4**	**6**	**T**	**Actuarial Sciences**
MAT121-06 MATHEMATICS I	**3**	**2**	**4**	**6**	**T**	
MAT123-01 MATHEMATICS I	4	2	5	6	E	Computer Engineering
MAT123-02 MATHEMATICS I	4	2	5	6	E	Electrical and Electronics Engineering
MAT123-03 MATHEMATICS I	4	2	5	6	E	Mechanical Engineering
MAT123-04 MATHEMATICS I	4	2	5	6	E	Industrial Engineering
MAT123-05 MATHEMATICS I	4	2	5	6	E	Electrical and Electronics Engineering
MAT123-06 MATHEMATICS I	4	2	5	6	E	Food Engineering
MAT123-07 MATHEMATICS I	4	2	5	6	E	Nuclear Engineering
MAT123-08 MATHEMATICS I	4	2	5	6	E	Physics Engineering
MAT123-09 MATHEMATICS I	4	2	5	6	E	Physics Engineering
MAT123-10 MATHEMATICS I	4	2	5	6	E	Computer Engineering
MAT123-11 MATHEMATICS I	4	2	5	6	E	Geomatic Engineering

Course	P	T	C	ECTS		Department
MAT125-01 MATHEMATICS I	**4**	**2**	**5**	**6**	**T**	**Wood Processing Industry Eng.**
MAT145-01 CALCULUS I	3	0	3	4	E	Chemistry
MAT145-02 CALCULUS I	3	0	3	4	T	Chemistry
MAT145-03 CALCULUS I	3	0	3	4	T	Chemistry
MAT145-04 CALCULUS I	3	0	3	4	T	
MAT145-05 CALCULUS I	3	0	3	4	T	
MAT145-06 CALCULUS I	3	0	3	4	T	Biology (Elective)
MAT145-07 CALCULUS I	3	0	3	4	T	
MAT223-01 ENGINEERING MATHEMATICS	**4**	**0**	**4**	**5**	**E**	**Mining Engineering**
MAT223-02 ENGINEERING MATHEMATICS	**4**	**0**	**4**	**5**	**E**	**Mining Engineering**
MAT225-01 ADVANCED MATHEMATICS I	3	2	4	6	E	Statistics
MAT225-02 ADVANCED MATHEMATICS I	3	2	4	6	T	Statistics
MAT225-03 ADVANCED MATHEMATICS I	3	2	4	6	T	Statistics
MAT225-04 ADVANCED MATHEMATICS I	3	2	4	6	T	Actuarial Sciences
MAT235-01 ENGINEERING MATHEMATICS I	**4**	**0**	**4**	**5**	**E**	**Electrical and Electronics Engineering**
MAT235-02 ENGINEERING MATHEMATICS I	**4**	**0**	**4**	**5**	**E**	**Mechanical Engineering**
MAT235-03 ENGINEERING MATHEMATICS I	**4**	**0**	**4**	**5**	**E**	**Electrical and Electronics Engineering**
MAT235-04 ENGINEERING MATHEMATICS I	**4**	**0**	**4**	**5**	**E**	**Nuclear Engineering**
MAT245-01 LINEAR ALGEBRA	4	0	4	5	T	
MAT245-02 LINEAR ALGEBRA	4	0	4	5	E	Industrial Engineering
MAT307-01 NUMERICAL ANALYSIS	**4**	**0**	**4**	**5**	**T**	**Hydrogeology Engineering**
MAT307-02 NUMERICAL ANALYSIS	**4**	**0**	**4**	**5**	**E**	**Nuclear Engineering**
MAT307-03 NUMERICAL ANALYSIS	**4**	**0**	**4**	**5**	**T**	**Hydrogeology Engineering**
FALL SEMESTER						
Course Code-Section-Name	**P**	**T**	**C**	**ECTS**	**EDUCATION LANGUAGE**	**DEPARTMENT**
MAT107-21 CALCULUS I	**4**	**0**	**4**	**5**	**E**	**Mining Engineering, Chemical Engineering**
MAT107-22 CALCULUS I	**4**	**0**	**4**	**5**	**T**	**Hydrogeology Engineering, Geological Engineering**
MAT107-23 CALCULUS I	**4**	**0**	**4**	**5**	**T**	
MAT107-24 CALCULUS I	**4**	**0**	**4**	**5**	**T**	
MAT108-01 CALCULUS II	4	0	4	5	E	Hydrogeology Engineering
MAT108-02 CALCULUS II	4	0	4	5	E	Geological Engineering
MAT108-03 CALCULUS II	4	0	4	5	E	Mining Engineering
MAT108-04 CALCULUS II	4	0	4	5	E	Chemical Engineering
MAT108-05 CALCULUS II	4	0	4	5	E	Chemical Engineering
MAT108-06 CALCULUS II	4	0	4	5	E	
MAT108-07 CALCULUS II	4	0	4	5	T	

Course						Program
MAT108-08 CALCULUS II	4	0	4	5	T	Hydrogeology Engineering
MAT108-09 CALCULUS II	4	0	4	5	T	Geological Engineering
MAT108-10 CALCULUS II	4	0	4	5	T	Hydrogeology Engineering
MAT122-01 MATHEMATICS II	**3**	**2**	**4**	**6**	**E**	**Statistics**
MAT122-02 MATHEMATICS II	**3**	**2**	**4**	**6**	**T**	**Statistics**
MAT122-03 MATHEMATICS II	**3**	**2**	**4**	**6**	**T**	**Statistics**
MAT122-04 MATHEMATICS II	**3**	**2**	**4**	**6**	**T**	**Statistics**
MAT122-05 MATHEMATICS II	**3**	**2**	**4**	**6**	**T**	**Actuarial Sciences**
MAT122-06 MATHEMATICS II	**3**	**2**	**4**	**6**	**T**	
MAT123-21 MATHEMATICS I	4	2	5	6	E	Physics Engineering, Computer Engineering, Electrical and Electronics Engineering, Nuclear Engineering
MAT123-22 MATHEMATICS I	4	2	5	6	E	
MAT124-01 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Computer Engineering**
MAT124-02 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Electrical and Electronics Engineering**
MAT124-03 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Mechanical Engineering**
MAT124-04 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Industrial Engineering**
MAT124-05 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Electrical and Electronics Engineering**
MAT124-06 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Food Engineering**
MAT124-07 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Nuclear Engineering**
MAT124-08 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Physics Engineering**
MAT124-09 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Physics Engineering**
MAT124-10 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Computer Engineering**
MAT124-11 MATHEMATICS II	**4**	**2**	**5**	**6**	**E**	**Geomatic Engineering**
MAT126-01 MATHEMATICS II	4	2	5	6	T	Wood Processing Industry Eng. Program
MAT144-01 INTRODUCTION TO LINEAR ALGEBRA	**4**	**0**	**4**	**4**	**T**	**Statistics**
MAT144-02 INTRODUCTION TO LINEAR ALGEBRA	**4**	**0**	**4**	**4**	**T**	**Statistics**
MAT144-03 INTRODUCTION TO LINEAR ALGEBRA	**4**	**0**	**4**	**4**	**T**	
MAT144-04 INTRODUCTION TO LINEAR ALGEBRA	**4**	**0**	**4**	**4**	**T**	
MAT146-01 CALCULUS II	3	0	3	4	T	Chemistry
MAT146-02 CALCULUS II	3	0	3	4	T	Chemistry
MAT146-03 CALCULUS II	3	0	3	4	T	Chemistry
MAT146-04 CALCULUS II	3	0	3	4	T	
MAT146-05 CALCULUS II	3	0	3	4	T	
MAT146-06 CALCULUS II	3	0	3	4	T	Biology (Elective)
MAT146-07 CALCULUS II	3	0	3	4	T	
MAT148-01 LINEAR ALGEBRA	**4**	**0**	**4**	~~**7**~~ **5**	**T**	Actuarial Sciences
MAT148-02 LINEAR ALGEBRA	**4**	**0**	**4**	~~**7**~~ **5**	**T**	
MAT226-01 ADVANCED MATHEMATICS II	3	2	4	6	E	Statistics

MAT226-02 ADVANCED MATHEMATICS II	3	2	4	6	T	Statistics
MAT226-03 ADVANCED MATHEMATICS II	3	2	4	6	T	Statistics
MAT226-04 ADVANCED MATHEMATICS II	3	2	4	6	T	Actuarial Sciences
MAT236-01 ENGINEERING MATHEMATICS II	**4**	**0**	**4**	**5**	**E**	**Electrical and Electronics Engineering**
MAT236-02 ENGINEERING MATHEMATICS II	**4**	**0**	**4**	**5**	**E**	**Electrical and Electronics Engineering**
MAT236-03 ENGINEERING MATHEMATICS II	**4**	**0**	**4**	**5**	**E**	**Nuclear Engineering**
MAT238-01 ENGINEERING MATHEMATICS	4	0	4	5	T	
MAT238-02 ENGINEERING MATHEMATICS	4	0	4	5	E	Geological Engineering
MAT238-03 ENGINEERING MATHEMATICS	4	0	4	5	T	Geological Engineering
MAT238-04 ENGINEERING MATHEMATICS	4	0	4	5	T	Geological Engineering
MAT248-01 DIFFERENTIAL EQUATIONS	**4**	**0**	**4**	**5**	**T**	**Hydrogeology Engineering**
MAT248-02 DIFFERENTIAL EQUATIONS	**4**	**0**	**4**	**5**	**T**	**Hydrogeology Engineering**
MAT254-01 FUNDAMENTAL LINEAR ALGEBRA	3	0	3	4	E	Computer Engineering
MAT254-02 FUNDAMENTAL LINEAR ALGEBRA	3	0	3	4	E	Computer Engineering

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   78 OF 2015

The decree of Institute Committee dated 29.01.2015 and with number 08 of EKK/2015-01 and the decree of University Curriculum Committee about making the changes in the Graduate School of Educational Sciences Department of Elementary Education Preschool Education Division **"Early Childhood Education Non-thesis Master's Program", "Early Childhood Education Master's Program"** and **"Early Childhood Education Non-thesis Doctoral Program"**and in the course information packages as demonstrated in the attachment beginning from Fall term of 2015-2016 academic yearare approved.

UPTADES AND CHANGES IN THE COURSE INFORMATION PACKAGE OF
DIVISION OF PRESCHOOL EDUCATION
NON-THESIS SECONDARY (EVENING) PRESCHOOL EDUCATION MASTER PROGRAM

	PREVIOUS	CURRENT	REASON
1	ECE 602 EARLY CHILDHOOD POLICIES (303-7 ECTS) (ELECTIVE)	ECE 602 EARLY CHILDHOOD POLICIES AND SUSTAINABILITY(303-7 ECTS) (ELECTIVE)	It is decided that the name of the course will be changed as "Early Childhood Policies and Sustainability".
2	ECE 608 SUSTAINABILITY IN EARLY CHILDHOOD EDUCATION (223-8 ECTS) (ELECTIVE)	Removed	This course is removed from Master program package because its content is transferred to the course ECE 602 Early Childhood Policies and Sustainability.
3	-	ECE 624 HISTORY of CHILDHOOD (303-7 ECTS) (MANDATORY)	1. It is decided that this course will be included in the package of non-thesis master program as a new compulsory course. 2. This course will be included in the 1st semester of non-thesis master program information package.
4	-	ECE 622 GUIDANCE IN EARLY CHILDHOOD(223-8 ECTS) (ELECTIVE)	1. It is decided that this course will be included in the package of non-thesis master program as a new elective course. 2. This course will be included in the non-thesis master program information package as an elective course that will be opened in 1st or 2nd semester.
5	ECE 706 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (303-10 ECTS) (ELECTIVE)	ECE 623 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (303-7 ECTS) (ELECTIVE)	1. It is transferred from doctorate program to master program. 2. The ECTS credit of the course is changed as 7 ECTS considering non-thesis master program and work load. 3. Course code is changed as ECE 623. 4. This course will be included in the package of non-thesis master program as an elective course. 5. This course will be included in the non-thesis master program information package as an elective course that will be opened in 1st or 2nd semester.
6	ECE 712 MOTOR SKILLS DEVELOPMENT AND TRAINING(303-10 ECTS) (ELECTIVE)	ECE 618 MOTOR SKILLS DEVELOPMENT AND TRAINING (303-7 ECTS) (ELECTIVE)	1.It is transferred from doctorate program to master program. 2. The ECTS credit of the course is changed as 7 ECTS considering master program and work load. 3. Course code is changed as ECE 618. 4.This course will be included in the package

			of non-thesis master program as an elective course. 5. This course will be included in the non-thesis master program information package as an elective course that will be opened in 1st or 2nd semester.
7	ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION IN THE WORLD AND TURKEY (303-7 ECTS) (ELECTIVE)	ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION (303-7 ECTS) (ELECTIVE)	1. The name of the course is abridges as "Comparative Early Childhood Education". 2. This course will be included in the package of non-thesis master program as an elective course. 3. This course will be included in the non-thesis master program information package as an elective course that will be opened in 1st or 2nd semester.
8	ECE 611 RESEARCH METHOD AND TECHNIQUES (303-8 ECTS) (MANDATORY)	ECE 611RESEARCH METHOD and TECHNIQUES(303-7 ECTS) (MANDATORY)	The ECTS credit of the course is changed from 8 ECTS to 7 ECTS.

UPTADES AND CHANGES IN THE COURSE INFORMATION PACKAGE OF
DIVISION OF PRESCHOOL EDUCATION
PRESCHOOL EDUCATION MASTER'S DEGREE PROGRAMME WITH THESIS

General Information Alteration AboutProgramme

CURRENT	PROPOSED	REASON OF THE CHANGE AND EXPLANATION
-	Students are required to take elective courses of at least 14 ECTS from the area elective courses coded ECE offered by division in order to meet the master program graduation requirements.	This article is added to program information package in order to lead students to area elective courses.
Requirements and Rules of the Acquired Degree Students of Master Program have to pass courses of24credits in total.	**Requirements and Rules of the Acquired Degree** Students of Master Program have to pass courses of 120 ECTS credits in total.	Article and credit number is stated as ECTS.

	PREVIOUS	CURRENT	REASON
1	ECE 619 THEORIES IN EARLY CHILDHOOD EDUCATION (303-7 AKTS) (ELECTIVE)	ECE 619 THEORIES IN EARLY CHILDHOOD EDUCATION (303-7 AKTS) (MANDATORY)	1. It is decided that this course will be transferred from elective courses to mandatory courses in the package of master program. 2. This course will be included in the 1st semester of master program information package.
2	ECE 620 EARLY CHILDHOOD EDUCATION PROGRAMME(303-7 AKTS) (ELECTIVE)	ECE 620 EARLY CHILDHOOD EDUCATION PROGRAMME (303-7 AKTS) (MANDATORY)	1. It is decided that this course will be transferred from elective courses to mandatory courses in the package of master program. 2. This course will be included in the 2nd semester of master program information package.
3	ECE 602 EARLY CHILDHOOD POLICIES (303-7 ECTS) (ELECTIVE)	ECE 602 EARLY CHILDHOOD POLICIES AND SUSTAINABILITY (303-8 ECTS) (ELECTIVE)	It is decided that the name of the course will be changed as "Early Childhood Policies and Sustainability" and its TPC and ECTS credit will be changed from 303-7 to 223-8.
4	ECE 608 SUSTAINABILITY IN EARLY CHILDHOOD EDUCATION (223-8 ECTS) (ELECTIVE)	Removed	This course is removed from Master program package because its content is transferred to the course ECE 602 Early

			Childhood Policies and Sustainability.
5	-	ECE 624 HISTORY of CHILDHOOD (303-7 ECTS) (MANDATORY)	1. It is decided that this course will be included in the package of master program as a new mandatory course. 2. This course will be included in the 1st semester of master program information package.
6	-	ECE 622 GUIDANCE IN EARLY CHILDHOOD(223-8 ECTS) (ELECTIVE)	1. It is decided that this course will be included in the package of master program as a new elective course. 2. This course will be included in the master program information package as an elective course that will be opened in 1st or 2nd semester.
7	ECE 706 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (303-10 ECTS) (ELECTIVE)	ECE 623 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (303-7 ECTS) (ELECTIVE)	1. It is transferred from doctorate program to master program. 2. The ECTS credit of the course is changed as 7 ECTS considering master program and work load. 3. Course code is changed as ECE 623. 4. This course will be included in the package of master program as an elective course. 5. This course will be included in the master program information package as an elective course that will be opened in 1st or 2nd semester.
8	ECE 712 MOTOR SKILLS DEVELOPMENT AND TRAINING(303-10 ECTS) (ELECTIVE)	ECE 618 MOTOR SKILLS DEVELOPMENT AND TRAINING (303-7 ECTS) (ELECTIVE)	1. It is transferred from doctorate program to master program. 2. The ECTS credit of the course is changed as 7 ECTS considering master program and work load. 3. Course code is changed as ECE 618. 4. This course will be included in the package of master program as an elective course. 5. This course will be included in the non-thesis master program information package as an elective course that will be opened in 1st or 2nd semester.
9	ECE 611 RESEARCH METHOD AND TECHNIQUES (303-8 ECTS) (MANDATORY)	ECE 611RESEARCH METHOD and TECHNIQUES(303-7 ECTS) (MANDATORY)	The ECTS credit of the course is changed from 8 ECTS to 7 ECTS.
10	ECE 679 EDUCATION STATISTICS(303-8 ECTS) (MANDATORY)	ECE 679 EDUCATION STATISTICS (303-7 ECTS) (MANDATORY)	The ECTS credit of the course is changed from 8 ECTS to 7 ECTS.
11	ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION IN THE WORLD AND TURKEY (303-7 ECTS) (ELECTIVE)	ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION(303-7 ECTS) (ELECTIVE)	1. The name of the course will be changed as "Comparative Early Childhood Education" 2. This course will be included in the package of master program as an elective course.

		3. This course will be included in the master program information package as an elective course that will be opened in 1st or 2nd semester.

UPTADES AND CHANGES IN THE COURSE INFORMATION PACKAGE OF
DIVISION OF PRESCHOOL EDUCATION
PRESCHOOL EDUCATION DOCTORATE PROGRAMME

General Information Alteration about Programme

CURRENT	PROPOSED	REASON OF THE CHANGE AND EXPLANATION
-	Students are required to take elective courses of at least 40 ECTS from the area elective courses coded ECE offered by division in order to meet the doctorate program graduation requirements.	This article is added to program information package in order to lead students to area elective courses.
Requirements and Rules of the Acquired Degree Doctorate education consist of three parts; course, proficiency exam and thesis: Doctoral Students have to pass courses of 24 credits and to pass doctorate proficiency exam that includes an oral examination beside a written exam**.**	**Requirements and Rules of the Acquired Degree** Doctorate education consist of three parts; course, proficiency exam and thesis: Doctoral Students have to pass courses of ~~24~~ 90 ECTScredits and to pass doctorate proficiency exam that includes an oral examination beside a written exam**.**	The requirements and rules of the program are updated in accordance with the decree of Senate.

	PREVIOUS	CURRENT	REASON
1	ECE 706 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (303-10 ECTS) (ELECTIVE)	ECE 623 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (303-7 ECTS) (ELECTIVE)	1. It is transferred from doctorate program to master program. 2. The ECTS credit of the course is changed as 7 ECTS considering master program and work load. 3. Course code is changed as ECE 623. 4. This course will be included in the package of master program as an elective course.
2	ECE 712 MOTOR SKILLS DEVELOPMENT and TRAINING (303-10 ECTS) (ELECTIVE)	ECE 618 MOTOR SKILLS DEVELOPMENT AND TRAINING (303-7 ECTS) (ELECTIVE)	1. It is transferred from doctorate program to master program. 2. The ECTS credit of the course is changed as 7 ECTS considering master program and work load. 3. Course code is changed as ECE 618. 4. This course will be included in the package of master program as an elective course.
3	ECE 703 PHYSICAL ACTIVITY IN EARLY CHILDHOOD EDUCATION (303-7 ECTS) (ELECTIVE)	-	This course is removed from doctorate education programme.
4	ECE 701 BOOK EVALUATION and COURSE MATERIAL DESIGN(223-7 ECTS) (ELECTIVE)	ECE 701 BOOK EVALUATION and COURSE MATERIAL DESIGN (223-10 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 7 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorateprogram package will be 10 ECTS. 2. This course will remain as an elective course in the package of doctorate education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
5	ECE 705 EDUCATION of CHILDREN AT-RISK IN EARLY CHILDHOOD (223-8 ECTS) (ELECTIVE)	ECE 705 EDUCATION of CHILDREN AT-RISK IN EARLY CHILDHOOD (223-10 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 7 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS.2. This course will remain as an elective course in the package of doctorate education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
6	ECE 707 EARLY INTERVENTION PROGRAMS (303-7 ECTS) (ELECTIVE)	ECE 707 EARLY INTERVENTION PROGRAMS (303-10 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 7 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS. 2. This course will remain as an elective course in the package of doctorate

			education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
7	ECE 711 EARLY CHILDHOOD CLASSROOM MANAGEMENT (303-8 ECTS) (ELECTIVE)	ECE 711 EARLY CHILDHOOD CLASSROOM MANAGEMENT (303-10 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 7 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS. 2. This course will remain as an elective course in the package of doctorate education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
8	ECE 713 USING DRAMA ON DISABLED CHILDREN's EDUCATION (303-15 ECTS) (ELECTIVE)	ECE 713 USING DRAMA ON DISABLED CHILDREN's EDUCATION (303-10 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 7 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS. 2. This course will remain as an elective course in the package of doctorate education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
9	ECE 715 PLAY IN EARLY CHILDHOOD(303-15 ECTS) (ELECTIVE)	ECE 715 PLAY IN EARLY CHILDHOOD (303-15 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 15 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS. 2. This course will remain as an elective course in the package of doctorate education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
10	ECE 717 DIFFERENT APPROACHES IN CHILDREN's LITERATURE(303-15 ECTS) (ELECTIVE)	ECE 717 DIFFERENT APPROACHES IN CHILDREN's LITERATURE (303-10 ECTS) (ELECTIVE)	1. ECTS credit of the course changed from 15 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS. 2. This course will remain as an elective course in the package of doctorate education programme. 3. This course will be included in the doctorate programme information package as an elective course that will be opened in

			1st or 2nd semester.
11	ECE 719 DATA ANALYSIS(303-15 ECTS) (MANDATORY)	ECE 719 DATA ANALYSIS (303-15 ECTS) (MANDATORY)	1. ECTS credit of the course changed from 15 ECTS to 10 ECTS because it is decided that all the elective courses of the doctorate program package will be 10 ECTS. 2. This course will remain in the doctorate programme package as a mandatory course that will be opened in 1st semester.
12	-	ECE 721 BEHAVIORAL and EMOTIONAL PROBLEMS IN CHILDREN(303-10 ECTS) (ELECTIVE)	1. It is decided that this course will be included in the package of doctorate programme as a new elective course. 2. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
13	-	ECE 709 EARLY CHILDHOOD MATHEMATICS(303-10 ECTS) (ELECTIVE)	1. It is decided that this course will be included in the package of doctorate programme as a new elective course. 2. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.
14	-	ECE 720 OUTDOOR LEARNING ENVIROMENTS IN EARLY CHILDHOOD EDUCATION (223-10 ECTS) (ELECTIVE)	1. It is decided that this course will be included in the package of doctorate programme as a new elective course. 2. This course will be included in the doctorate programme information package as an elective course that will be opened in 1st or 2nd semester.

Attachment 2 to the decree of University Curriculum Committee dated 19.05.2015 and with number 787

Table 1
CURRICULUM TABLE
Hacettepe University
Institute of Educational Sciences
Department of Primary Education
Division of Preschool Education
Non-thesis Secondary (Evening) Preschool Education Master's Degree Programme

FALL						SPRING					
COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS **	COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS **
1st Semester						**2nd Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 604 EARLY CHILDHOOD EDUCATION APPROCHES and MODELS	2	2	3	8	2	ECE 611 RESEARCH METHOD and TECHNIQUES	3	0	3	~~8~~ 7	2
ECE 620 EARLY CHILDHOOD EDUCATION PROGRAMME	3	0	3	7	2	ECE 619 THEORIES IN EARLY CHILDHOOD EDUCATION	3	0	3	7	2
IN TOTAL FOR MUST COURSES			**6**	**15**		**IN TOTAL FOR MUST COURSES**			**6**	~~15~~ 14	
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
~~ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION IN THE WORLD AND TURKEY~~ ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION IN THE WORLD AND TURKEY	3	0	3	7	2	ECE 610 DEVELOPMENT and EDUCATION of CHILDREN WITH SPECIAL	3	0	3	7	2
~~ECE 602 EARLY CHILDHOOD POLICIES~~ ECE 602 EARLY CHILDHOOD POLICIES and SUSTAINABILITY	~~3~~ 2	~~0~~ 2	3	~~7~~ 8	2	ECE 612 COMMUNICATION IN EARLY CHILDHOOD EDUCATION	3	0	3	7	2
ECE 603 ASSESSING YOUNG CHILDREN	2	2	3	8	2	ECE 613 INFANT DEVELOPMENT and EDUCATION	3	0	3	7	2
ECE 605 SPECIAL EDUCATION IN EARLY CHILDHOOD	3	0	3	7	2	ECE 614 EARLY CHILDHOOD LITERATURE	3	0	3	7	2
ECE 606 VALUES EDUCATION	3	0	3	7	2	ECE 615 CHILDRENS RIGHTS	3	0	3	7	2
ECE 607 CREATIVITY EDUCATION	2	2	3	8	2	ECE 616 PROFESSIONAL DEVELOPMENT and TRAINING	3	0	3	7	2
~~ECE 608 SUSTAINABILITY IN EARLY CHILDHOOD EDUCATION~~(REMOVED)	~~2~~	~~2~~	~~3~~	~~8~~	~~2~~	ECE 617 PARENT EDUCATION and INVOLVEMENT	3	0	3	8	2
ECE 609 THE QUALITY IN EARLY CHILDHOOD CARE	3	0	3	7	2	ECE 679 EDUCATION STATISTICS	3	0	3	~~8~~ 7	2

and SERVICES											
ECE 618 MOTOR SKILLS DEVELOPMENT and TRAINING (Its code and ECTS credit are changed and the course transferred from doctorate programme to the master's programme)	3	0	3	7	2	ECE 623 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (Its code and ECTS credit are changed and the course transferred from doctorate programme to the master's programme)	3	0	3	7	2
ECE 622 GUIDANCE IN EARLY CHILDHOOD (newly opened)	2	2	3	8	2	ECE 624 HISTORY of CHILDHOOD(newly opened)	3	0	3	7	2
IN TOTAL FOR ELECTIVE COURSES			**6**	**15**		**IN TOTAL FOR ELECTIVE COURSES**			6	~~15~~ 16	
1st Semester Total	■	■	**12**	**30**	■	**2nd Semester Total**	■	■	**12**	**30**	■
3rd Semester						**4th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 699 TERM PROJECT	1	2	2	15	10						
IN TOTAL FOR MUST COURSES			**2**	**15**		**IN TOTAL FOR MUST COURSES**					
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
IN TOTAL FOR ELECTIVE COURSES			6	15		**IN TOTAL FOR ELECTIVE COURSES**					
3rd Semester Total	■	■	8	30	■	**4th Semester Total**	■	■		■	
5th Semester						**6th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
IN TOTAL FOR MUST COURSES						**IN TOTAL FOR MUST COURSES**					
LIST OF ELECTIVE COURSES**						**LIST OF ELECTIVE COURSES****					
IN TOTAL FOR ELECTIVE COURSES						**IN TOTAL FOR ELECTIVE COURSES**					
5th Semester Total	■	■			■	**6th Semester Total**	■	■		■	
7th Semester						**8th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
IN TOTAL FOR MUST COURSES						**IN TOTAL FOR MUST COURSES**					
LIST OF ELECTIVE						**LIST OF ELECTIVE**					

COURSES**						COURSES**					
IN TOTAL FOR ELECTIVE COURSES						IN TOTAL FOR ELECTIVE COURSES					
7th Semester Total						8th Semester Total					
GRAND TOTAL										32	90
TOTAL CREDITS FOR MUST COURSES										~~14~~ 12	~~45~~ 29
TOTAL CREDITS FOR ELECTIVE COURSES											~~45~~ 31
CREDITS PERCENTAGE FOR MUST COURSES											~~50~~ 48
CREDITS PERCENTAGE FOR ELECTIVE COURSES											~~50~~ 52

* Common Compulsory Courses (AİT, TKD, İNG, BEB) should also be listed.

** Only state the number of the courses you opened with your own code.

Table 1 CURRICULUM TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education Division of Preschool Education Preschool Education Master's Degree Programme With Thesis*											
FALL						**SPRING**					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS ****	**COURSE CODE AND NAME**	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS ****
1st Semester						**2nd Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 611 RESEARCH METHOD and TECHNIQUES	3	0	3	~~8~~ 7	2	ECE 679 EDUCATION STATISTICS	3	0	3	~~8~~ 7	2
ECE 619 THEORIES IN EARLY CHILDHOOD EDUCATION (It's transferred from elective to mandatory)	3	0	3	7	2	ECE 620 EARLY CHILDHOOD EDUCATION PROGRAMME(It's transferred from elective to mandatory)	3	0	3	7	2
ECE 624 HISTORY of CHILDHOOD (newly opened)	3	0	3	7	2	ECE 621 SEMINAR	2	2	3	8	2
IN TOTAL FOR MUST COURSES			~~3~~ 9	~~8~~ 21		**IN TOTAL FOR MUST COURSES**			~~6~~ 9	~~16~~ 22	
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
~~ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION IN THE WORLD AND TURKEY~~ ECE 601 COMPARATIVE EARLY CHILDHOOD EDUCATION IN THE WORLD AND TURKEY	3	0	3	7	2	ECE 612 COMMUNICATION IN EARLY CHILDHOOD EDUCATION	3	0	3	7	2
~~ECE 602 EARLY CHILDHOOD POLICIES~~ ECE 602 EARLY CHILDHOOD POLICIES and SUSTAINABILITY	~~3~~ 2	~~0~~ 2	3	~~7~~ 8	2	ECE 613 INFANT DEVELOPMENT and EDUCATION	3	0	3	7	2
ECE 603 ASSESSING YOUNG CHILDREN	2	2	3	8	2	ECE 614 EARLY CHILDHOOD LITERATURE	3	0	3	7	2
ECE 604 EARLY CHILDHOOD EDUCATION APPROCHES and MODELS	2	2	3	8	2	ECE 615 CHILDRENS RIGHTS	3	0	3	7	2
ECE 605 SPECIAL EDUCATION IN EARLY CHILDHOOD	3	0	3	7	2	ECE 616 PROFESSIONAL DEVELOPMENT and TRAINING	3	0	3	7	2
ECE 606 VALUES EDUCATION	3	0	3	7	2	ECE 617 PARENT EDUCATION and INVOLVEMENT	3	0	3	8	2
ECE 607 CREATIVITY	2	2	3	8	2	~~ECE 619 THEORIES IN~~	~~3~~	~~0~~	~~3~~	~~7~~	~~2~~

Course						Course					
EDUCATION						~~EARLY CHILDHOOD EDUCATION~~ (It's transferred from elective to mandatory)					
~~ECE 608 SUSTAINABILITY IN EARLY CHILDHOOD EDUCATION~~(REMOVED)	~~2~~	~~2~~	~~3~~	~~8~~	~~2~~	~~ECE 620 EARLY CHILDHOOD EDUCATION PROGRAMME~~(It's transferred from elective to mandatory)	~~3~~	~~0~~	~~3~~	~~7~~	~~2~~
ECE 609 THE QUALITY IN EARLY CHILDHOOD CARE and SERVICES	3	0	3	7	2	İÖB 623 QUALITATIVE RESEARCH IN EDUCATION	3	0	3	7	2
ECE 610 DEVELOPMENT and EDUCATION of CHILDREN WITH SPECIAL	3	0	3	7	2	EPO 642 CURRICULUM and EVALUATION-I	3	0	3	8	2
ECE 623 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION (Its code and ECTS credit are changed and the course transferred from doctorate programme to the master's programme)	3	0	3	7	2	ECE 622 GUIDANCE IN EARLY CHILDHOOD (newly opened)	2	2	3	8	2
ECE 618 MOTOR SKILLS DEVELOPMENT and TRAINING (Its code and ECTS credit are changed and the course transferred from doctorate programme to the master's programme)	3	0	3	7	2	EBB 629 DATA ANALYSIS METHODS IN EDUCATION	2	2	3	7	2
IN TOTAL FOR ELECTIVE COURSES			~~22~~ 9	~~9~~		**IN TOTAL FOR ELECTIVE COURSES**			~~14~~ 6	~~8~~	
1ˢᵗ Semester Total	⬛	⬛	~~12~~	30	⬛	**2ⁿᵈ Semester Total**	⬛	⬛	~~12~~	30	⬛
3ʳᵈ Semester						**4ᵗʰ Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 600-01 SPECIAL TOPICS (2-SEMESTER THESIS STUDY) **	4	0	0	30	2	ECE 600-02 SPECIAL TOPICS(2-SEMESTER THESIS STUDY) **	4	0	0	30	2
IN TOTAL FOR MUST COURSES			0	30		**IN TOTAL FOR MUST COURSES**			0	30	**2**
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
IN TOTAL FOR ELECTIVE COURSES			0	0		**IN TOTAL FOR ELECTIVE COURSES**			0	0	
3ʳᵈ Semester Total	⬛	⬛	0	30	⬛	**4ᵗʰ Semester Total**	⬛	⬛	0	30	⬛
5ᵗʰ Semester						**6ᵗʰ Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					

IN TOTAL FOR MUST COURSES						**IN TOTAL FOR MUST COURSES**					
LIST OF ELECTIVE COURSES**						**LIST OF ELECTIVE COURSES****					
IN TOTAL FOR ELECTIVE COURSES						**IN TOTAL FOR ELECTIVE COURSES**					
5th Semester Total						**6th Semester Total**					
7th Semester						**8th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
IN TOTAL FOR MUST COURSES						**IN TOTAL FOR MUST COURSES**					
LIST OF ELECTIVE COURSES**						**LIST OF ELECTIVE COURSES****					
IN TOTAL FOR ELECTIVE COURSES						**IN TOTAL FOR ELECTIVE COURSES**					
7th Semester Total						**8th Semester Total**					
GRAND TOTAL									~~24~~ 36	120	
TOTAL CREDITS FOR MUST COURSES									~~9~~ 18	~~24~~ 43	
TOTAL CREDITS FOR ELECTIVE COURSES									~~9~~	~~96~~ 17	
CREDITS PERCENTAGE FOR MUST COURSES										~~20~~ 72	
CREDITS PERCENTAGE FOR ELECTIVE COURSES										~~80~~ 28	

* Common Compulsory Courses (AİT, TKD, İNG, BEB) should also be listed.

** Only state the number of the courses you opened with your own code.

Table 1 CURRICULUM TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education Division of Preschool Education Preschool Education Doctorate Degree Programme*											
FALL						**SPRING**					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS ****	**COURSE CODE AND NAME**	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS ****
1st Semester						**2nd Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 719DATA ANALYSIS	3	0	3	~~15~~ 10	2						
IN TOTAL FOR MUST COURSES			3	~~15~~ 10		**IN TOTAL FOR MUST COURSES**			0	0	
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
ECE 701OOK EVALUATION and COURSE MATERIAL DESIGN	2	2	3	~~7~~ 10	2	ECE 721 BEHAVIORAL and EMOTIONAL PROBLEMS IN CHILDREN (NEWLY OPENED)	3	0	3	10	2
~~ECE 703 ECE 703 PHYSICAL ACTIVITY IN EARLY CHILDHOOD EDUCATION~~ (REMOVED)	~~3~~	~~0~~	~~3~~	~~7~~	~~2~~	ECE 702 SCIENCE EDUCATION IN EARLY CHILDHOOD EDUCATION	3	0	3	10	2
ECE 705 EDUCATION of CHILDREN AT-RISK IN EARLY CHILDHOOD	2	2	3	~~8~~ 10	2	ECE 704CHILD and MEDIA CULTURE	3	0	3	10	2
ECE 707 EARLY INTERVENTION PROGRAMS	3	0	3	~~7~~ 10	2	~~ECE 706 LIBRARY SERVICES IN EARLY CHILDHOOD EDUCATION~~(Its code and ECTS credit are changed and the course transferred from doctorate programme to the master's programme)	~~3~~	~~0~~	~~3~~	~~10~~	~~2~~
ECE 711 EARLY CHILDHOOD CLASSROOM MANAGEMENT	3	0	3	~~8~~ 10	2	ECE 708ART EDUCATION IN EARLY CHILD EDUCATION	3	0	3	10	2
ECE 709 EARLY CHILDHOOD MATHEMATICS (NEWLY OPENED)	3	0	3	10	2	ECE 710SCHOOL MATURITY	3	0	3	10	2
ECE 720 OUTDOOR LEARNING ENVIROMENTS IN EARLY CHILDHOOD EDUCATION (NEWLY OPENED)	2	2	3	10	2	~~ECE 712 MOTOR SKILLS DEVELOPMENT and TRAINING~~ (Its code and ECTS credit are changed and the course transferred from doctorate programme to the	~~3~~	~~0~~	~~3~~	~~10~~	~~2~~

						master's programme)					
						ECE 714 BOOKS ON DISABLED CHILDRENS EDUCATION	3	0	3	10	2
						ECE 716 CREATIVE DANCE	3	0	3	10	2
IN TOTAL FOR ELECTIVE COURSES			~~5~~	~~15~~ 20		**IN TOTAL FOR ELECTIVE COURSES**			~~8~~	30	
1st Semester Total			~~8~~	30		**2nd Semester Total**			~~8~~	30	
3rd Semester						**4th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
IN TOTAL FOR MUST COURSES			0	0		**IN TOTAL FOR MUST COURSES**					
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
ECE 713 USING DRAMA ON DISABLED CHILDREN's EDUCATION	3	0	3	~~15~~ 10	2						
ECE 715 PLAY IN EARLY CHILDHOOD	3	0	3	~~15~~ 10	2						
ECE 717 DIFFERENT APPROACHES IN CHILDREN's LITERATURE	3	0	3	~~15~~ 10	2						
IN TOTAL FOR ELECTIVE COURSES			6	30		**IN TOTAL FOR ELECTIVE COURSES**			0	0	
3rd Semester Total			6	30		**4th Semester Total**			2	30	
5th Semester						**6th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 700-01 SPECIAL TOPICS	5	0	0	30	2	ECE 700-02 SPECIAL TOPICS	5	0	0	30	2
IN TOTAL FOR MUST COURSES			0	30		**IN TOTAL FOR MUST COURSES**			0	30	
LIST OF ELECTIVE COURSES**						**LIST OF ELECTIVE COURSES****					
IN TOTAL FOR ELECTIVE COURSES			0	0		**IN TOTAL FOR ELECTIVE COURSES**			0	0	
5th Semester Total			0	30		**6th Semester Total**			0	30	
7th Semester						**8th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
ECE 700-03 SPECIAL TOPICS	5	0	0	30	2	ECE 700-04 SPECIAL TOPICS	5	0	0	30	2
IN TOTAL FOR MUST						**IN TOTAL FOR MUST**					

COURSES						COURSES						
LIST OF ELECTIVE COURSES**						LIST OF ELECTIVE COURSES**						
IN TOTAL FOR ELECTIVE COURSES		0	0			IN TOTAL FOR ELECTIVE COURSES		0	0			
7th Semester Total			0	30		8th Semester Total			0	30		
GRAND TOTAL										240		
TOTAL CREDITS FOR MUST COURSES										~~15~~ 10		
TOTAL CREDITS FOR ELECTIVE COURSES										~~225~~ 80		
CREDITS PERCENTAGE FOR MUST COURSES										~~6~~ 11		
CREDITS PERCENTAGE FOR ELECTIVE COURSES										~~94~~ 89		

* Common Compulsory Courses (AİT, TKD, İNG, BEB) should also be listed.

** Only state the number of the courses you opened with your own code.

HACETTEPE UNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   79 OF 2015

The decree of Institute Committee dated 29.01.2015 and with number 07 of EKK/2015-01 and the decree of University Curriculum Committee about making the changes in the Graduate School of Educational Sciences Department of Elementary Education Primary Education Division **"Master's Program in Elementary Education" and "Doctoral Program in Elementary Education"** as demonstrated in the attachment beginning from Fall term of 2015-2016 academic yearare approved.

**PROPOSED CHANGES IN INSTITUTE OF EDUCATIONAL SCIENCES - DEPARTMENT OF PRIMARY EDUCATION –DIVISION OF PRİMARY EDUCATION –
PRIMARY EDUCATION MASTER'S DEGREE PROGRAMME**

1) Transferring the course "İÖB 624 Communication in Mathematics Education" that is in Primary Education Master Program to doctorate program because its content is more suitable to doctorate program

2) Adding the courses presented below to the program beginning from the fall semester of 2015-2016 academic year

Table 4 ANY SEMESTER / YEARLY ELECTIVE COURSES TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education –Divisionof Primary Education – Primary Education Master's Degree Programme*					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS**
İÖB 626 BASIC SKILLS IN SCHOOL MATHEMATICS	3	0	3	7	1
İÖB 627MATHEMATICS TEACHING PROGRAMMES IN THE WORLD AND TURKEY	3	0	3	7	1
İÖB 628 BASIC CONCEPTS IN MATHEMATICS I	3	0	3	7	1
İÖB 630 SENSE OF NUMBER AND IN-CLASS PRACTICES	3	0	3	7	1
İÖB 631 TEACHING ALGEBRA	3	0	3	7	1
İÖB 632 TEACHING GEOMETRY	3	0	3	7	1
İÖB 633 TEACING MEASUREMENT	3	0	3	7	1
İÖB 634TEACHING STATISTICS AND PROBABILITY	3	0	3	7	1
İÖB 635 CREATIVE DRAMA IN MATHEMATICS EDUCATION	3	0	3	7	1
İÖB 636 ORIGAMI IN MATHEMATICS EDUCATION	3	0	3	7	1
İÖB 637 INFORMATION AND COMMUNICATION TECHNOLOGIES IN TEACHING MATHEMATICS	3	0	3	7	1
İÖB 638 INTELLIGENT GAMESSA IN TEACHING MATHEMATICS	3	0	3	7	1

PROPOSED CHANGES IN INSTITUTE OF EDUCATIONAL SCIENCES - DEPARTMENT OF PRIMARY EDUCATION –DIVISION OF PRİMARY EDUCATION – PRIMARY EDUCATION DOCTORATE DEGREE PROGRAMME

1) Changing the name and code of the course "İÖB 624 Communication in Mathematics Education" that was transferred from Primary Education Master Program as "İÖB 726 Discourse in School Mathematics" and changing 7 ECTS credits to 8 ECTS credits

2) Changing the name of the course "İÖB 721Projections in Mathematics Education" that is in primary Education Doctorate Program as "İÖB 721 Representations İN Mathematics Education" because it is more suitable to area

3) Adding the courses presented below to the program beginning from the fall semester of 2015-2016 academic year

Table 4 ANY SEMESTER / YEARLY ELECTIVE COURSES TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education –Divisionof Primary Education – Primary Education Doctorate Degree Programme*					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS**
İÖB 722 CONTEMPORARY TENDENCIES IN MATHEMATICS EDUCATION I	4	0	4	10	1
İÖB 723 CONTEMPORARY TENDENCIES IN MATHEMATICS EDUCATION II	4	0	4	10	1
İÖB 724 TEACHER KNOWLEDGE IN MATHEMATICS EDUCATION	3	0	3	8	1
İÖB 725 MODELING APPROACHES IN MATHEMATICS EDUCATION	2	2	3	10	1
İÖB 726 DISCOURSE IN SCHOOL MATHEMATICS	3	0	3	8	1
İÖB 727 ETHNOMATHEMATICS	3	0	3	8	1
İÖB 728 INFORMATION AND COMMUNICATION TECHNOLOGIES INTEGRATION IN TEACHING MATHEMATICS	2	2	3	10	1
İÖB 730 INDIVIDUAL STUDIES IN MATHEMATICS EDUCATION	2	2	3	12	5

Attachment 2 to the decree of University Curriculum Committee dated 19.05.2015 and with number 788

Table 1 CURRICULUM TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education Division of Primary Education Primary Education Master's Degree Programme*											
FALL						**SPRING**					
COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS **	COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS **
1st Semester						**2nd Semester**					
LIST OF MUST COURSES						LIST OF MUST COURSES					
İÖB 619FUNDAMENTALS of PHILOSOPHY of SCIENCE	3	0	3	8	1	İÖB 622INTRODUCTION TO RESEARCH TECHNIQUES	2	2	3	8	1
İÖB 611CURRICULUM DEVELOPMENT and EVALUATION	3	0	3	8	1	İÖB 620SEMİNAR	3	0	3	8	1
IN TOTAL FOR MUST COURSES	6	0	**6**	**16**		IN TOTAL FOR MUST COURSES	5	2	**6**	16	
LIST OF ELECTIVE COURSES						LIST OF ELECTIVE COURSES					
IN TOTAL FOR ELECTIVE COURSES			6	14		IN TOTAL FOR ELECTIVE COURSES			6	14	
1st Semester Total			**12**	**30**		**2nd Semester Total**			**12**	**30**	
3rd Semester						**4th Semester**					
LIST OF MUST COURSES						LIST OF MUST COURSES					
İÖB 600-01 SPECIAL TOPICS	4	0	0	30	40	İÖB 600-02 SPECIAL TOPICS	4	0	0	30	40
IN TOTAL FOR MUST COURSES	4	0	0	30		IN TOTAL FOR MUST COURSES	4	0	0	30	
LIST OF ELECTIVE COURSES						LIST OF ELECTIVE COURSES					
IN TOTAL FOR ELECTIVE COURSES	0	0	0	0		IN TOTAL FOR ELECTIVE COURSES	0	0	0	0	
3rd Semester Total			0	30		**4th Semester Total**			0	30	
GRAND TOTAL									**24**	**120**	
TOTAL CREDITS FOR MUST COURSES									12	92	
TOTAL CREDITS FOR ELECTIVE COURSES									12	28	
CREDITS PERCENTAGE FOR										53	

MUST COURSES		
CREDITS PERCENTAGE FOR ELECTIVE COURSES		47

* Common Compulsory Courses (AİT, TKD, İNG, BEB) should also be listed.

** Only state the number of the courses you opened with your own code.

Table 2 FALL SEMESTER ELECTIVE COURSES TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education –Divisionof Primary Education – Primary Education Master's Degree Programme*					
COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS
İÖB 601 PREP.&IMPLE.of CURRIC.TURKISH TEACH.IN ELEM.EDUCA.	2	2	3	7	1
İÖB 603 PREP.&IMPLE.of CURRIC.SOC.STUDI TEACH.IN ELEM.EDU.	2	2	3	7	1
İÖB 605 DESIGN and APPLY ELEMENTARY SCHOOL MATHEMATICS PR	3	0	3	7	1
İÖB 607 PREP.&IMPLE.of CURRIC.SCIENCE TEACH.IN ELEM.EDUCA.	2	2	3	7	1
İÖB 609 PREP.&IMPLE.of CURRIC.READ-WRIT.TEACH.IN ELEM.EDU.	2	2	3	7	1
İÖB 613 THE DEVELOPMENTAL HISTORY AND PHILOSOPHY OF MATHEMATICS	3	0	3	7	1
İÖB 615 EDUCATIONAL STATISTICS	3	0	3	7	1
İÖB 617 QUALITY MANAGEMENT IN ELEMENTARY EDUCATION	3	0	3	7	1
İÖB 623 QUALITATIVE RESEARCH IN EDUCATION	3	0	3	7	1

Table 3 SPRING SEMESTER ELECTIVE COURSES TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education –Divisionof Primary Education – Primary Education Master's Degree Programme*					
COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS
İÖB 602 EVALUATION of TURKISH CURRICULUM IN ELEMENTARY EDUCATION	2	2	3	7	1
İÖB 604 EVALUATION of SOC.STUD.CURRICULA IN ELEMENTARY EDUCATION	3	0	3	7	1
İÖB 606 EVALUATE ELEMENTARY SCHOOL MATHEMATICS PROGRAM	3	0	3	7	1
İÖB 608 EVALUATION of SCIENCE CURRICULUM IN ELEMENTARY EDUCATION	3	0	3	7	1
İÖB 610 EVALUATION of READ-WRIT. CURRIC IN ELEMENTARY EDUCATION	2	2	3	7	1
İÖB 612 COMPUTER BASED EDUCATION	2	2	3	7	1

İÖB 614 SCALE CONSTRUCTION	3	0	3	7	1
İÖB 616 CLASSROOM MANAGEMENT IN ELEMENTARY EDUCATION	3	0	3	7	1
İÖB 618 MEASU.&EVALUAT.TECHNIQUESAPPLIC.IN ELEM. EDUCATION	2	2	3	7	1
~~İÖB 624 COMMUNICATION IN SCHOOL MATHEMATICS~~	~~3~~	~~0~~	~~3~~	~~7~~	~~1~~

Table 4
ANY SEMESTER / YEARLY ELECTIVE COURSES TABLE
Hacettepe University
Institute of Educational Sciences
Department of Primary Education –Divisionof Primary Education –
Primary Education Master's Degree Programme*

COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS
İÖB 626 BASIC SKILLS IN SCHOOL MATHEMATICS	3	0	3	7	1
İÖB 627 MATHEMATICS TEACHING PROGRAMMES IN THE WORLD AND TURKEY	3	0	3	7	1
İÖB 628 BASIC CONCEPTS IN MATHEMATICS I	3	0	3	7	1
İÖB 630 SENSE OF NUMBER AND IN-CLASS PRACTICES	3	0	3	7	1
İÖB 631 TEACHING ALGEBRA	3	0	3	7	1
İÖB 632 TEACHING GEOMETRY	3	0	3	7	1
İÖB 633 TEACING MEASUREMENT	3	0	3	7	1
İÖB 634 TEACHING STATISTICS AND PROBABILITY	3	0	3	7	1
İÖB 635 CREATIVE DRAMA IN MATHEMATICS EDUCATION	3	0	3	7	1
İÖB 636 ORIGAMI IN MATHEMATICS EDUCATION	3	0	3	7	1
İÖB 637 INFORMATION AND COMMUNICATION TECHNOLOGIES IN TEACHING MATHEMATICS	3	0	3	7	1
İÖB 638 INTELLIGENT GAMESSA IN TEACHING MATHEMATICS	3	0	3	7	1

** Only state the number of the courses you opened with your own code.

<table>
<tr><td colspan="11" align="center">Table 1
CURRICULUM TABLE
Hacettepe University
Institute of Educational Sciences
Department of Primary Education
Division of Primary Education
Primary Education Doctorate Degree Programme*</td></tr>
</table>

FALL						SPRING				
COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS **	COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS **
1st Semester						**2nd Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
İÖB 704DESIGNING COURSE BOOK MATERIALS	2	2	3	14	1	İÖB 713SCIENCE PHILOSOPHY	3	0	3	14	1
IN TOTAL FOR MUST COURSES			3	14		**IN TOTAL FOR MUST COURSES**			3	14	
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
IN TOTAL FOR ELECTIVE COURSES			6	16		**IN TOTAL FOR ELECTIVE COURSES**			6	16	
1st Semester Total			~~9~~	30		**2nd Semester Total**			~~9~~	30	
3rd Semester						**4th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
İÖB 710 RESEARCH TECHNIQUES	2	2	3	14	1	İÖB 799PREPARATION TO DOCTORAL PROFICIENCY	0	4	2	30	30
IN TOTAL FOR MUST COURSES			3	14		**IN TOTAL FOR MUST COURSES**			2	30	
LIST OF ELECTIVE COURSES						**LIST OF ELECTIVE COURSES**					
IN TOTAL FOR ELECTIVE COURSES			6	16		**IN TOTAL FOR ELECTIVE COURSES**			0	0	
3rd Semester Total			9	30		**4th Semester Total**			2	30	
5th Semester						**6th Semester**					
LIST OF MUST COURSES						**LIST OF MUST COURSES**					
İÖB 700-01SPECIAL TOPICS	5	0	0	30	30	İÖB 700-02SPECIAL TOPICS	5	0	0	30	30
IN TOTAL FOR MUST COURSES			0	30		**IN TOTAL FOR MUST COURSES**			0	30	
LIST OF ELECTIVE COURSES**						**LIST OF ELECTIVE COURSES****					
IN TOTAL FOR ELECTIVE			0	0		**IN TOTAL FOR**			0	0	

COURSES						ELECTIVE COURSES					
5th Semester Total			0	30		**6th Semester Total**			0	30	
7th Semester						**8th Semester**					
LIST OF MUST COURSES						LIST OF MUST COURSES					
İÖB 700-03 SPECIAL TOPICS	5	0	0	30	30	İÖB 700-04 SPECIAL TOPICS	5	0	0	30	30
IN TOTAL FOR MUST COURSES			0	30		IN TOTAL FOR MUST COURSES			0	30	
LIST OF ELECTIVE COURSES**						LIST OF ELECTIVE COURSES**					
IN TOTAL FOR ELECTIVE COURSES			0	0		IN TOTAL FOR ELECTIVE COURSES			0	0	
7th Semester Total			0	30		**8th Semester Total**			0	30	
GRAND TOTAL									29	240	
TOTAL CREDITS FOR MUST COURSES									11	72	
TOTAL CREDITS FOR ELECTIVE COURSES									18	48	
CREDITS PERCENTAGE FOR MUST COURSES										60	
CREDITS PERCENTAGE FOR ELECTIVE COURSES										40	

* Common Compulsory Courses (AİT, TKD, İNG, BEB) should also be listed.

** Only state the number of the courses you opened with your own code.

Table 2
FALL SEMESTER ELECTIVE COURSES TABLE
Hacettepe University
Institute of Educational Sciences
Department of Primary Education –Divisionof Primary Education –
Primary Education Doctorate Degree Programme*

COURSE CODE AND NAME	T	P	C	ECTS	NUMBER OF SECTIONS
İÖB 701 TURKISH CURRICULUM DEVELOPMENT IN ELEMENTARY EDUC.	2	2	3	8	1
İÖB 703 SOCIAL STUDIES CURRICULUM DEVELOP.IN ELEMENT.EDUC.	2	2	3	8	1
İÖB 705 MATHEMATICS CURRICULUM DEVELOPMENT IN ELEMENTARY EDUCATION	3	0	3	8	1
İÖB 707 SCIENCE CURRICULUM DEVELOPMENT IN ELEMENTARY EDUCATION	2	2	3	8	1
İÖB 709 READING&WRITTING CURRICULUM DEVELOP.IN ELE. EDUCATION	2	2	3	8	1
İÖB 711 QUALITY MANAGEMENT IMPLEMENTATIONS IN ELEM.EDUCATI	3	0	3	8	1
~~İÖB 721 DEMONSTRATIONS IN MATHEMATICS EDUCATION~~ İÖB 721 REPRESENTATIONS IN MATHEMATICS EDUCATION	3	0	3	8	1

Table 3 SPRING SEMESTER ELECTIVE COURSES TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education –Divisionof Primary Education – Primary Education Doctorate Degree Programme*					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS**
İÖB 702 DESIGN.TEAC.&STUD.GUIDE FOR A COURSE IN ELE.EDUCA.	3	0	3	8	1
İÖB 706 PROBLEMS and SOLUTIONS IN ELEMENTARY EDUCATION	3	0	3	8	1
İÖB 708 RESEARCH IN ELEMENTARY EDUCATION	2	2	3	8	1
İÖB 712 AREA STUDIES IN ELEMENTARY EDUCATION	2	2	3	8	1
İÖB 720 SELF-REGULATED LEARNING IN MATHEMATICS EDUCATION	3	0	3	8	1

Table 4 ANY SEMESTER / YEARLY ELECTIVE COURSES TABLE Hacettepe University Institute of Educational Sciences Department of Primary Education –Divisionof Primary Education – Primary Education Doctorate Degree Programme*					
COURSE CODE AND NAME	**T**	**P**	**C**	**ECTS**	**NUMBER OF SECTIONS**
İÖB 722 CONTEMPORARY TENDENCIES IN MATHEMATICS EDUCATION I	4	0	4	10	1
İÖB 723 CONTEMPORARY TENDENCIES IN MATHEMATICS EDUCATION II	4	0	4	10	1
İÖB 724 TEACHER KNOWLEDGE IN MATHEMATICS EDUCATION	3	0	3	8	1
İÖB 725 MODELING APPROACHES IN MATHEMATICS EDUCATION	2	2	3	10	1
İÖB 726 DISCOURSE IN SCHOOL MATHEMATICS	3	0	3	8	1
İÖB 727 ETHNOMATHEMATICS	3	0	3	8	1
İÖB 728 INFORMATION AND COMMUNICATION TECHNOLOGIES INTEGRATION IN TEACHING MATHEMATICS	2	2	3	10	1
İÖB 730 INDIVIDUAL STUDIES IN MATHEMATICS EDUCATION	2	2	3	12	5

HACETTEPEUNIVERSITY

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DECREES OF THE SENATE

SESSION DATE	SESSION NUMBER	DECREE NUMBER
25.02.2015	10	80 OF 2015

Thedecree of University Curriculum Committee about repealing the prerequisite in the information package of the elective course **"MTK 762 Algebraic Topology II"**(3 0 3 / 12 ECTS) at the Graduate School of Science Department ofMathematics,beginning from Spring term of 2014-2015 academic year is approved.

HACETTEPEUNIVERSITY

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DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   81OF 2015

Establishing **"Hacettepe University Traditional and Complementary Medicine Application and Research Center"** is approved.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE

SESSION NUMBER

DECREE NUMBER

25.02.2015

10

82OF 2015

The decree of Institute Committee dated 17.02.2015 and with number 09 of 2015:1 about applying principles of "Supervisor Assignment" which are within the scope of principles related to assigning Thesis Supervisors at Social Sciences Institute Graduate Programs, starting and administering Graduate Education Programs determined by Higher Education Council, and pursuant to these principles enabling department heads to make their own internal arrangements about the rules of assigning thesis supervisor after having the Academic Board Decisions and approval of Institute Committee beginning from Spring term of 2014-2015 academic year, is approved.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   83 OF 2015

Providing survey training for the students who study at academic units which are assigned as pilots under the scope of Bologna Process Quality studies at the end of the Spring term of 2014 – 2015 academic year and performing a practice are negotiated.

Providing survey training for the students who study at academic units which are assigned as pilots under the scope of Bologna Process Quality studies at the end of the Spring term of 2014 – 2015 academic year and performing a practice are approved **on condition that they will be carried out after having the approval of ethical committee**.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   84 OF 2015

The letter of Institute dated 25.02.2015 about establishing a joint Master's Degree Program with Thesis between 3 countries with the title "Cardiorespiratory Health, Rehabilitation and Prevention (CHARPI), at the Erasmus Plus, Erasmus Mundus, Joint Master Degree Program, within the body of Graduate School of Health Sciences Department of Physiotherapy and Rehabilitation is approved.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   85 OF 2015

The decree of Institute dated 23.02.2015 and with number 01 of NBE – 15 about establishing international joint Neuroimmunology Master's Degree Program with Thesis within the scope of the project "Joint Master Degrees" conducted by Erasmus Coordination Unit at the Institute of Neurologic Sciences and Psychiatry Department of Clinical Neurologic Sciences and Psychiatry is approved.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   86 OF 2015

The decree of Institute dated 23.02.2015 and with number 348 about establishing Universal Design for an Inclusive Life (UniD) Integrated Master Degree Program within the body of Institute of Fine Arts Interior Architecture and Environmental Design with the partnerships of Technological Educational Institute of Athens/Greece and Escola Superior de Artes e Design Porto/Portuguese, is approved.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   87 OF 2015

Hacettepe University 2014 – 2015 Academic Year Graduation Ceremony Schedule is discussed and decided **to be reevaluated two weeks later.**

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   88 OF 2015

In accordance with the **"Instruction Related to Giving Names to the Units at Hacettepe University**";

The letter of Faculty dated 17.02.2015 with number 365 about giving names to A1 and A2 lecture halls allocated to the Faculty of Health Sciences Department of Audiology by the Faculty of Nursing, giving the name of **Prof. SonerÖzkan,** who passed away while still working, to **"A1"** lecture hall, and giving the name of retired **Prof. ErolBelgin**,who is the initiator of Audiology and Speech Disorders occupation, to**"A2"** lecture hall, is read and approved unanimously.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   89 OF 2015

In accordance with 31st article of the Decree of Higher Education with number 2547, the decree of Institute Committee dated 11.02.2015 and with number 05 of HSE/2015 about the assignment of retired **Prof. NazmiBilir** to Hacettepe University**Institute of Public Health for 5 hours of instruction in a week in total, with the fee per course hour** in Spring term of 2014-2015 academic year is approved.

HACETTEPEUNIVERSITY

ANKARA

DECREES OF THE SENATE

SESSION DATE   SESSION NUMBER   DECREE NUMBER

25.02.2015   10   90 OF 2015

In accordance with 31st article of the Decree of Higher Education with number 2547, the decree of Conservatory Committee dated 20.02.2015 and with number 26 of 2015 about the assignment of retired **Assist.Prof. Menekşe Akar** to Hacettepe University **Ankara State Conservatory Piano Division for 15 hours of instruction in a week in total, with the fee per course hour** in Spring term of 2014-2015 academic year is approved.