Mathematics Education Curriculum by Semester

1ST SEMESTER (37.5 ECTS)

Course	ECTS	Method
MATHEMATICS EDUCATION RESEARCH PARADIGM	4,5 ECTS	CM
MATHEMATICS LEARNING STRATEGIES AND LESSON PLANNING	4,5 ECTS	CM
CONTEMPORARY MATHEMATICS EDUCATION	4,5 ECTS	CM
STUDY OF MATHEMATICAL THINKING PROCESS	4,5 ECTS	L
PSYCHOLOGY OF COGNITIVE DEVELOPMENT IN MATHEMATICS TEACHING AND LEARNING	4,5 ECTS	CM
STUDY OF ESSENTIAL MATHEMATICS CONCEPTS	3 ECTS	CM
RECENT AND GLOBAL ISSUES IN MATHEMATICS EDUCATION	4,5 ECTS	CM
STATISTICAL DATA ANALYSIS	4,5 ECTS	CM
PHILOSOPHY OF SCIENCE	3 ECTS	L

2ND SEMESTER (34.5 ECTS)

Course	ECTS	Method
ENGLISH ACADEMIC WRITING IN MATHEMATICS EDUCATION	4,5 ECTS	TBP
DEVELOPMENT OF TECHNOLOGY-BASED MATHEMATICS LEARNING MEDIA	4,5 ECTS	TBP
PHILOSOPHY OF MATHEMATICS AND RESEARCH IN MATHEMATICS EDUCATION	4,5 ECTS	CM
DIFFERENTIAL EQUATION	4,5 ECTS	L
QUANTITATIVE RESEARCH METHODS IN MATHEMATICS EDUCATION	4,5 ECTS	CM
ANALYSIS OF INTERNATIONAL RESEARCH RESULTS IN MATHEMATICS EDUCATION	4,5 ECTS	CM
FINITELY CONSTRUCTED GROUPS	4,5 ECTS	CM
PEDAGOGICAL STUDIES	3 ECTS	L

3RD SEMESTER (40.5 ECTS)

Course	ECTS	Method
DISSERTATION	22,5 ECTS	TBP
DIDACTIC STUDY OF MATHEMATICS	4,5 ECTS	CM
STUDY OF MATHEMATICS EDUCATION CURRICULUM	4,5 ECTS	CM
PROBABILITY THEORY / DECISION THEORY	4,5 ECTS	L
STUDY OF RESEARCH PARADIGM IN MATHEMATICS EDUCATION	4,5 ECTS	CM

4TH SEMESTER (27 ECTS)

Course	ECTS	Method
DISSERTATION	22,5 ECTS	TBP
THEORETICAL-PRACTICAL STUDY OF LEARNING PROCESSES AND OUTCOMES AND MATHEMATICS LEARNING	4,5 ECTS	CM

5TH SEMESTER (27 ECTS)

Course	ECTS	Method
DISSERTATION	22,5 ECTS	TBP
STUDY OF ICT-ASSISTED MATHEMATICS EDUCATION	4,5 ECTS	CM

6TH SEMESTER (22.5 ECTS)

Course	ECTS	Method
DISSERTATION	22,5 ECTS	TBP

Pedagogy Methods:

L - Lecturing
CM - Case Method
TBL - Team Based Project

Type of course:

- Anvulent Courses
- Postgraduate Courses (MKKPs)
- Study Program's Elective Courses (MKKPPS)
- Study Program Core Expertise Courses (MKKIPS)