

Firat University
Institute of Educational Sciences
Department of Educational Sciences
Division of Curriculum and Instruction
Master Courses
Fall Semester

FALL SEMESTER		
Scientific Preparatory Courses (Elective)	LOCAL CREDIT	ECTS CREDIT
EPÖ 501 Developmental and Learning Psychology	3	6
EPÖ 503 Measurement and Evaluation in Education:	3	6
Master's Courses (Compulsory)		
CI 505 Curriculum Development in Education I	3	6
CI 507 Scientific Research Methods I	3	6
EM 509 Effective of Classroom Management	3	6
CI 511 Curriculum Evaluation	3	6
CI 513 Learning and Teaching Strategies and Methods	3	6
CI 515 Contemporary Approaches in Education Technology	3	6
CI 517 Fundamentals of Curriculum Development I	3	6
CI 519 Learning and Teaching Processes	3	6
CI 521 Curriculum Development Based on Thinking and Creativity	3	6
CI 523 Educational History	3	6
CI 525 Teacher Training and Programs	3	6
CI 527 Teaching Models: Theory and Practice	3	6
CI 529 European Education Systems	3	6
CI 531 Curriculum Development in Vocational and Technical Education	3	6
CI 598 Master Seminar	0	8
CI 599 Master Thesis	0	24
CI 702 Specialized Field Course	0	6

Master Courses Contents
Fall Semester
Scientific Preparatory Courses

CI 501 Developmental and Learning Psychology

3 0 3

Basic concepts and principles related to development and learning, physical development, moral development, psychosocial development, cognitive development. The importance of development areas in terms of teaching and learning. Learning in different approaches, behavioral approach, classical conditioning, operant conditioning, learning through observation, cognitive approach, Gestalt theory, information processing theory. Factors affecting learning, motivation, excitement, etc.

CI 503 Measurement and Evaluation in Education

3 0 3

The place of evaluation in the education system, aims and elements of evaluation; meaning of measurement, scale in measurement, some measurement approaches in education, measurement tools, qualifications sought in measurement tools; error and reliability, reliability calculation and methods; types of validity and its calculation; measurement of cognitive, affective and psychomotor skills and difficulties encountered. Purposes of using measurement tools in education.

COMPULSORY COURSES

CI 505 Curriculum Development in Education I

3 0 3

Theoretical framework of curriculum development, basic concepts, curriculum development approaches, concepts, ideas and currents that form the basis of the curriculum, determination of the basic stages in the curriculum development process and theoretical examination of the relationships between them.

CI 507 Scientific Research Methods I

3 0 3

Basic concepts of scientific research, research methods, purpose, universe and sample determination, data collection and analysis techniques, interpretation and evaluation of findings, preparation of research proposal and report.

EM 509 Effective of Classroom Management

3 0 3

Basic concepts of scientific research, research methods, purpose, universe and sample determination, data collection and analysis techniques, interpretation and evaluation of findings, preparation of research proposal and report.

CI 511 Curriculum Evaluation

3 0 3

The concept of curriculum evaluation and its meaning in curriculum development, examination of curriculum evaluation studies, curriculum evaluation models, making a curriculum evaluation study.

CI 513 Öğrenme ve Öğretme Stratejileri ve Yöntemleri

3 0 3

Öğrenme ve öğretim kavramları öğrenme yaklaşımları, öğrenme yaklaşımlarının öğretime yansımaları, öğretim yaklaşımları, öğrenme ve öğretim yaklaşımları arasındaki ilişkiler, öğrencilerin öğrenme stratejileri, öğrenme stilleri, yöntem ve teknik belirleme yolları, öğretim yöntem ve teknikleri.

CI 513 Learning and Teaching Strategies and Methods **3 0 3**

Learning and teaching concepts, learning approaches, reflection of learning approaches on teaching, teaching approaches, relationships between learning and teaching approaches, students' learning strategies, learning styles, ways of determining methods and techniques, teaching methods and techniques.

CI 515 Contemporary Approaches in Education Technology **3 0 3**

Reflection of teaching methods and techniques in the lesson, instructional technology and communication, use of audio-visual tools in the classroom.

CI 517 Fundamentals of Curriculum Development **3 0 3**

Conceptual analysis of curriculum development, historical, social, philosophical and psychological foundations of curriculum development, discussion of the relationship between them.

CI 519 Learning and Teaching Processes **3 0 3**

Concepts of learning and teaching and the relationships between them, similar different aspects of learning approaches and their reflection on teaching. Definitions of philosophers and scientists about learning in the historical process, comparing of these definitions with each other.

CI 521 Curriculum Development Based on Thinking and Creativity **3 0 3**

The concepts of thinking and creativity, the meaning and importance of thinking and creativity, how it affects the individual and society, why it is necessary and should be developed, how it can be developed. The concept of curriculum development, the relationships between the elements and elements of program development. How it should be and features of program development to improve thinking and creativity.

CI 523 Educational History **3 0 3**

To reflect on the relationship between history and education, to gain basic source and personal knowledge about the important educational institutions, tools, aims and main representatives in the historical process. To reflect on the effects of historical background on today's educational problems and practices. Reading the history of world education, the main characteristics of the ancient, medieval, enlightenment and modern period from classical sources. To learn the history of Turkish education from the beginning to this day in a way to emphasize the period, people, institutions and projects and to establish a relationship with this day.

CI 525 Teacher Training and Programs in Turkey **3 0 3**

Examination of the teacher training program implemented in Turkey until today, examining today by level of teacher training programs, teacher training programs in comparison with the Turkish examined and teacher training programs in different countries.

CI 527 Teaching Models: Theory and Practice **3 0 3**

The assumptions underlying the teaching models are empirical studies conducted in semi-laboratory and school conditions in relation to the theory as well as the teaching model. Application of the teaching model to special learning tasks.

CI 529 European Education Systems**3 0 3**

Education systems that have taken place in European countries so far, their reforms in education systems, examination of the current education systems and comparison in terms of the European Union.

CI 531 Curriculum Development in Vocational and Technical Education**3 0 3**

How to develop curriculums in line with the principles, scope and purpose of vocational technical education. Curriculum development, fundamentals of curriculum development, curriculum elements and the relationship between them.

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Master Courses
Spring Semester

SPRING SEMESTER	LOCAL CREDIT	ECTS CREDITS
CI 502 Teaching Methods and Techniques:	3	6
EM 504 Introduction to Research Methods	3	6
CI 506 Curriculum Development in Education II	3	6
CI 508 Scientific Research Methods II	3	6
CI 510 Education Statistics II	3	6
CI 512 Comparative Analysis of Educational Programs	3	6
CI 514 New Approaches in Education and Curriculum Development	3	6
CI 516 Theoretical Foundations and Problems of Vocational Technical Education	3	6
CI 518 Measurement Techniques in Education	3	6
CI 520 Design of Educational Environments	3	6
CI 522 Philosophy of Education	3	6
CI 524 Curriculum: Theory and Design	3	6
CI 526 Theory and Practice in Distance Education	3	6
CI 528 Education Policies and Practices in Turkey	3	6
CI 530 European Union Curriculums	3	6
CI 598 Master Seminar	0	8
CI 599 Master Thesis	0	24
CI 702 Specialized Field Course	0	6

YÜKSEK LİSANS DERS İÇERİKLERİ

BAHAR DÖNEMİ

BİLİMSEL HAZIRLIK DERSLERİ

MASTER COURSE CONTENT

SPRING SEMESTER

SCIENTIFIC PREPARATORY COURSES

CI 502 Teaching Methods and Techniques **3 0 3**
Basic concepts, principles, teaching approaches, teaching methods and techniques related to education and training. Usage areas of the techniques, their advantages and weaknesses.

EM 504 Introduction to Research Methods **3 0 3**
Basic concepts in research, research methods and techniques, quantitative and qualitative research, problem identification, data collection, determination of universe and sample, processing, analysis, interpretation of data, and preparation of scientific research proposals and reports

COMPULSORY COURSES

CI 506 Curriculum Development in Education II **3 0 3**
Examining educational programs in various fields and levels, discussing similar and different points between them and preparing a sample training program

CI 508 Scientific Research Methods II **3 0 3**
What are the quantitative, qualitative and experimental research methods used in social sciences and education, the techniques that can be used in these methods, ways of data collection, analysis and interpretation, comparison of methods with each other.

CI 510 Education Statistics **3 0 3**
Analysis of variance, chi-square, t-tests, other parametric and nonparametric tests, use of statistical package programs. Basic concepts, symbols and operations related to statistics. How to interpret what statistical operations, symbols and concepts mean, to create tables and graphs to define and make meaningful of data statistically, frequency distributions, correlation, regression, prediction, probability and probability distributions, significance tests.

CI 512 Comparative Analysis of Educational Programs **3 0 3**
The comparison of approaches to curriculum development in Turkey with curriculum development approaches in various countries.

CI 514 New Approaches in Education and Curriculum Development **3 0 3**
Examination of behavioral, cognitive, process, process and product oriented models that affect curriculum development, constructivism, creative and critical thinking, problem solving, reflective thinking, etc. Curriculum development taking into account. Explaining the concepts of globalization and postmodernism, discussing their effects on individuals and

society, determining their effects on education. Basic information about the information and information society, the characteristics of the information society, its effects on individuals, and discussion of how education and program development can be in the information society.

CI 516 Theoretical Foundations and Problems of Vocational Technical Education 3 0 3

History and theoretical foundations of vocational and technical education, importance of vocational technical education in raising qualified workforce, student performance and productivity, effective vocational education, development and improvement projects in this field and their contributions to the field.

CI 518 Measurement Techniques in Education 3 0 3

The concept of measurement, the importance and development of measurement, measurement tools, types of measurement tools, the quality of measurement, measurement in education, techniques to be used in measuring cognitive affective and psychomotor behavior, academic achievement, general and special abilities, attitude, interest and personality-related characteristics. Preparing measurement tools, applying, scoring and interpreting measurement tools.

CI 520 Design of Educational Environments 3 0 3

Preparation and development of curriculums, target behaviors, content learning-teaching process, testing status, evaluation. Proper tool and equipment selection.

EPÖ 522 Philosophy of Education 3 0 3

The relationship between education and philosophy, different philosophical views on education, children, youth and society and the relations between them. To reflect on the philosophy of the Turkish education system in the historical process. To analyze and interpret educational thoughts and practices through philosophical thoughts, and to recognize and discuss on philosophical disciplines by trying to systematize education in accordance with these interpretations.

CI 524 Training Curriculum: Theory and Design 3 0 3

Providing flexibility as well as principles for goal selection and formulation, selection and organization of subject content, selection and organization of learning environments, organizing necessary social interactions, employing relevant media methods, integration of teaching elements.

CI 526 Theory and Practice in Distance Education 3 0 3

Examining the concept of distance education, its scope, basis and historical development. The use of technology in distance education, comparative analysis done by examining the Application of distance education in Turkey and the world.

CI 528 Education Policies and Practices in Turkey 3 0 3

A critical analysis of the Turkish educational system. Social-economic conditions and needs affecting practices related to school and adult education. School organization, management, curriculum and student services issues and trends.

Examination of the scope, purpose and practices of curriculums developed within the scope of European Union such as Erasmus, Socrates, Comenius, Lingua, Leonardo da Vinci. Examining the work done on these programs in Turkey.