

Firat University
Institute of Educational Sciences
Department of Educational Sciences
Division of Curriculum and Instruction
Doctorate Courses

FALL SEMESTER		
Preparatory Courses (Elective)	Local Credit	ECTS Credit
CI 601 Developmental and Learning Psychology	3	6
CI 603 Measurement and Evaluation in Education	3	6
CI 605 Curriculum Development in Education	3	6
Doctoral Courses (Compulsory)		
CI 607 Advanced Scientific Research Methods	3	6
CI 609 Basis of Curriculum Development II	3	6
CI 611 Comparative Education	3	6
CI 613 Education Statistics	3	6
CI 615 Curriculum Development and Problems in Practice	3	6
CI 617 Contemporary Learning and Teaching Approaches	3	6
CI 619 Analysis of Education Policies	3	6
CI 621 New Approaches in Measurement and Evaluation	3	6
CI 623 Education and Society	3	6
CI 698 Doctorate Seminar	1	6
CI 699 Doctorate Thesis	0	24
CI 702 Specialized Field Course	4	6

DOCTORAL COURSE CONTENT
FALL SEMESTER
PREPARATORY COURSES

CI 601 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 603 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.

CI 605 Curriculum Development in Education **3 0 3**

The theoretical framework of curriculum development, basic concepts, curriculum development approaches, concepts, ideas and trends 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.

COMPULSORY COURSES

CI 607 Advanced Scientific Research Methods **3 0 3**

Science and scientific approach, explanation of scientific processes and methods, basic concepts related to research methods and relationships between concepts, types of research, research in education, techniques for planning, conducting and limiting experimental, qualitative and quantitative research in education, data collection techniques according to research type and analysis, statistical analysis techniques of data, preparing a research proposal in the light of this information, how to write a research report and examine the rules to be followed. Examining ready-made research reports or theses and dwelling on possible questions, preparing a scientific article using the research report.

CI 609 Basis of Curriculum Development **3 0 3**

Socio-economic, political and cultural, psychological and philosophical foundations of curriculum development. The relationship between educational philosophy and curriculum development, basic educational philosophy trends, relationship between educational psychology and curriculum development, learning theories and curriculum development, individual qualifications and needs and curriculum development. The relationship between

education and educational sociology, social foundations of education, social classes, social mobility and education, social stratification and examination of the educational process. The relationship between education and education economy, development and the establishment of the relationship between education and economy The dimension of cost analysis in educational programs.

CI 611 Comparative Education

3 0 3

Basic concepts of comparative education, comparative educational science, comparative education research process, the methods used in comparative curriculum development in different countries comparatively by examining the points through the system that differ in the determination of similarities with the country's problems, the discussion of problems in the country as a result of this review, what are the dimensions of the problem, where can it go, how education policy should be created the necessary to be taken, etc. Assessment in accordance with the type of questions.

CI 613 Education Statistics

3 0 3

Statistical procedures frequently used in education, what the transactions mean and how they will be interpreted, the processes of converting research results into quantities, the quantitative expression of the relationships between qualities, determining what kind of analysis will be made according to the available data, explaining the computer usage with computer package programs frequently used in educational research and implementation.

CI 615 Curriculum Development and Problems in Practice

3 0 3

Basic concepts of curriculum development, the place of needs analysis in curriculum development models, needs analysis process and approaches, methods and tools used in needs analysis, assessment in needs analysis, the problem of determining the goals, the organization of educational situations, implementation problems, evaluation problems, theory-practice. The application and evaluation of the sample program draft prepared by considering the problems, various curriculum development studies, the main stages and elements in the curriculum development process and the relations between them.

CI 617 Contemporary Learning and Teaching Approaches

3 0 3

Research paradigms in teaching, students' and teachers' thinking processes, active learning processes, social foundations of cognition, implementation of new models such as constructivism, brain-based learning, teaching strategic learning, examining new orientations in the regulation of teaching active learning, reflective thinking, creativity, creative thinking, thinking skills critical thinking and structuralism approaches.

CI 619 Analysis of Education Policies

3 0 3

The share of educational policies implemented by countries that shape the world in the formation of their cultural identity as well as in the political and economic issues of today's world to reach their present level will be discussed in the historical development process and with today's data. The views of educational thinkers and the results of their implementation by the governments of their countries are among the topics of the course.

CI 621 New Approaches in Measurement and Evaluation

3 0 3

Basic information about measurement, measurement of cognitive, affective and psychomotor behaviors, innovations in measurement techniques, evaluation in affective dimensions,

assessment with accreditation and standards, computer-based measurement and evaluation, total quality measurement and evaluation, item analysis and test development (computer-applied) scientific articles measurement and evaluation.

CI 623 Education and Society

3 0 3

Social foundations of education, post-modern perspective, vertical-horizontal mobility, social mobility, social change. Education as a concept and institution in pre-industrial states and societies, education as a concept and institution in the industrialization process. Social structures, institutions and education. Relationships between society, social class and educational institutions. The division of labor of education and its relationship to the functioning of social life. Social change and education. The effects of intellectual movements on social structure and educational institutions. Education and social welfare, education and social mobility, education and social cohesion.

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Doctorate Courses
Spring Term

SPRING SEMESTER	Local Credit	ECTS Credit
CI 602 Teaching Methods and Techniques	3	6
EM 604 Scientific Research Methods	3	6
CI 606 Philosophy of Education	3	6
CI 608 Data Collection and Analysis	3	6
CI 610 Learning and Teaching Theories	3	6
CI 612 Curriculum Development Models and New Approaches	3	6
CI 614 Qualitative Research Methods in Education	3	6
CI 616 Instructional Designs: Theories and Models	3	6
CI 618 Curriculum Evaluation and Problems	3	6
CI 620 Theory and Applications in Curriculums	3	6
CI 622 Field Research in Curriculum Development	3	6
CI 624 Teacher Training and Problems in Turkey	3	6
CI 698 PhD Seminar	1	6
CI 699 Doctoral Dissertation	0	24
CI 702 Specialized Field Course	4	6

DOCTORAL COURSE CONTENT
SPRING SEMESTER
PREPARATORY COURSES

CI 602 Teaching Methods and Techniques

3 0 3

Teaching Basic concepts, principles, teaching approaches, teaching methods and techniques related to education and training. Usage areas of the techniques, their advantages and weaknesses.

EM 604 Scientific Research Methods

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 606 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.

COMPULSORY COURSES

CI 608 Data Collection and Analysis

3 0 3

Data collection and tools in educational research, measurement and measurement tools and methods, qualifications, tools and methods that can be used to measure cognitive affective and psychomotor behavior, achievement test development process, item and test statistics, scale development methods and likert type scale development process; basic statistical techniques, hypothesis testing, t statistics, analysis of variance.

CI 610 Learning and Teaching Theories

3 0 3

Learning and teaching concepts, main learning theories and principles, teaching approaches and principles, the effect and reflection of learning theories on teaching theories, examination of teaching theories in terms of applicability to education. Examining the relationships between learning and teaching theories, examining how learning theories and principles affect educational programs.

CI 612 Curriculum Development Models and New Approaches

3 0 3

Basic models in curriculum development; process oriented models, process and product oriented models. Constructivist approach, behavioral approach, cultural approach, school-based approach, individual approach, economic approach and system approach. Developments in models in line with new developments and their reflection on practice. Structuralist theory, the relationships between teaching, evaluation and curriculum within the

structure of individualized classroom theories. Art education, movement from children, rural education dormitory, business education, production school, collective education movements, comparison of these trends with each other, results of contemporary education movements emerging in the world in the historical process; reflections on our education system and new approaches in education in the 21st century.

CI 614 Qualitative Research Methods in Education

3 0 3

Use of qualitative research methods in education, basic concepts in qualitative research, data collection techniques, data coding, measurement and statistical analysis methods, use of computer software such as NUDIST, NVivo in statistical analysis.

CI 616 Instructional Designs: Theories and Models

3 0 3

Teaching rules (Gagne-Briggs, Landa, Merrill, Glaser, Collins, Stuvens, Reigeluth and Stein, Scandura) Learning Types, Mental Skills, Regulation of Instructional Flow, Analysis of Learning Work.

CI 618 Curriculum Evaluation and Problems

3 0 3

The necessity of evaluating the elements that make up the curriculum, learning, process, product, draft, access-oriented curriculum evaluation approaches, differences and similarities between approaches, usage areas of the approaches, statistical operations used in program evaluation, explaining their relations with the data types used in evaluation, examining the curriculum evaluation studies. Implementation of one of the program evaluation approaches.

CI 620 Theory and Applications in Curriculums

3 0 3

Research tradition, sample studies, common aspects of research methods, application to curriculum problems, research methods in evaluation, relations between theory and research, special subjects, current research methods in curriculum and teaching, its bases, processes, relationship between teaching and teaching, educational objectives, goals classification according to human qualities,

CI 622 Field Research in Curriculum Development

3 0 3

Research on curriculum development and applications in different disciplines, and the effect of curriculum classifications of researchers like Posner on curriculum development.

CI 624 Teacher Training and Problems in Turkey

3 0 3

The emergence of the teaching profession and the importance of place in education, teacher training system, basic concepts and principles related to the chronic teacher issues in the historical process in Turkey, the investigation of the teacher education system in different countries and basic teacher issues, new approaches and trends in teacher training, Turkey teacher training system evaluation.