**Courses Description** 

College: Educational Science		
Department: Curricula & Instruction		
Couse ID: 301700	Description: Curriculum Theory and Design	
Full Course Description:		
Couse ID: 301701	Description: Theory and Research in Teaching	
Full Course Description:		
Couse ID: 301702	Description: Curricula Evaluation and Analysis	
Full Course Description:		
Couse ID: 301703	Description: Contemporary Approaches in Curriculum Planning and Development	
Full Course Description:		
Couse ID: 301704	Description: Issues and Special Topics in Curricula	
Full Course Description:		
Couse ID: 301705	Description: Instructional Design	
Full Course Description:		
Couse ID: 301706	Description: Classroom Teaching Models	
Full Course Description:		
Couse ID: 301707	<b>Description:</b> Preparing Teachers and Supervising Them	
Full Course Description:		
Couse ID: 301733	Description: Applied Linguistics and TEFL	
Full Course Description:		
Couse ID: 301734	Description: Computer Assisted Language Learning	
Full Course Description:		
Couse ID: 301736	Description: Miscs and Error Analysis	
Full Course Description:		
Couse ID: 301738	<b>Description:</b> Special Problems in Learning and Teaching English	
Full Course Description:		
Couse ID: 301739	Description: Current Trend in English Language Curricula	
Full Course Description:		
Couse ID: 301741	Description: Current Trends in Mathematics Curricula	
Full Course Description:		
Couse ID: 301742	<b>Description:</b> Assement of Teching and Learning Mathematics	
Full Course Description:		
Couse ID: 301743	<b>Description:</b> Special Issues and Topics in Teathing Mathematics	
Full Course Description:		
Couse ID: 301745	<b>Description:</b> Teaching Mathematics for Grades (9-12)	
Full Course Description:		
Couse ID: 301746	<b>Description:</b> Diagnosis and Correction of Mathematics Learning	
Full Course Description:		
Couse ID: 301747	Description: The Nature, Philosophy and History of Mathematics	
Full Course Description:		

Date : 27-04-2024

Page Num : 2

## **Courses Description**

College: Educational Science		
Department: Curricula & Instruction		
Couse ID: 301799	Description: Thesis	
Full Course Description:		
Couse ID: 2301730	Description: Methods of Teaching English Languge (1)	
Full Course Description:		
Couse ID: 2301753	Description: Contemporary Approaches in Science Curricula	
Full Course Description:		
Couse ID: 2301754	Description: Issues and Special Topics in Teaching Science	
Full Course Description:		
Couse ID: 2301755	Description: Nature and Philosophy of Sience	
Full Course Description:		
Couse ID: 2301756	Description: Practical Experiences in Teaching Science	
Full Course Description:		
Couse ID: 2301758	Description: Computer Uses in Education	
Full Course Description:		
Couse ID: 3301750	Description: Teaching Sience to Grades (1-8)	
Full Course Description:		
Couse ID: 3301751	Description: Teaching Scince to Grades (9-12)	
Full Course Description:		
Couse ID: 3301799	Description: Thesis	
Full Course Description:		
Couse ID: 6301799	Description: Thesis	
Full Course Description:		
Couse ID: 9301799	Description: Thesis	
Full Course Description:		
Couse ID: 110302710	Description: Curriculum Theory and Design	
Full Course Description: g		
Couse ID: 110302711	Description: Theory and Research in Teaching	
Full Course Description: hh		
Couse ID: 110302712	Description: Curricula Evaluation and Analysis	
Full Course Description: hh		
Couse ID: 110302713	Description: Contemporary Approaches in Curriculum Planning and Development	
Full Course Description: kk		
Couse ID: 110302714	Description: Issues and Special Topics in Curricula	
Full Course Description: m,m,		
Couse ID: 110302720	Description: Teaching Sience to Grades (1-8)	
Full Course Description: f		
Couse ID: 110302721	Description: Teaching Scince to Grades (9-12)	
Full Course Description: v		

## **Courses Description**

College: Educational Science
Department: Curricula & Instruction
Couse ID:     110302722     Description: Assessment of Science Teaching and Learning
Full Course Description: h
Couse ID:     110302723     Description:     Contemporary Approaches in Science Curricula
Full Course Description: fgh
Couse ID:     110302724     Description:     Issues and Special Topics in Teaching Science
Full Course Description: j
Couse ID:     110302725     Description:     Nature and Philosophy of Sience
Full Course Description: h
Couse ID:     110302726     Description:     Practical Experiences in Teaching Science
Full Course Description: gyj
Couse ID:     110302730     Description:     Teaching English Language (1)
Full Course Description: a
Couse ID:   110302731   Description:   Teaching English language (2)
Full Course Description: s
Couse ID:     110302732     Description:     Evaluation of Teaching English Language
Full Course Description: ftg
Couse ID: 110302733 Description: Applied Linguistics and TEFL
Full Course Description: ff
Couse ID:     110302734     Description:     Special Topics in English Language Teaching
Full Course Description: sd
Couse ID:     110302735     Description:     Contemporary Approaches in English Language Curricula
Full Course Description: h
Couse ID:     110302736     Description:     Error Analysis and English Writing
Full Course Description: g
Couse ID: 110302737 Description: First and Second Language Acquisition
Full Course Description: d
Couse ID: 110302740   Description: Teaching Mathematics Grades (1-8)
Full Course Description: '
Couse ID: 110302741 Description: Current Tends in Mathematics Curricula
Full Course Description: fgh
Couse ID:     110302742     Description: Assement of Teching and Learning Mathematics
Full Course Description: rtyh
Couse ID: 110302743 Description: Special Issues and Topics in Teathing Mathematics
Full Course Description: fg
Couse ID: 110302744 Description: The Nature, Philosophy, and History of Mathematics
Full Course Description: h
Couse ID: 110302745   Description: Teaching Mathematics for Grades (9-12)
Full Course Description: gg

## **Courses Description**

College: Educational Science
Department: Curricula & Instruction
Couse ID:     110302746     Description:     Diagnosis of Mathematics Learning Difficulties and Remediation
Full Course Description: hh
Couse ID:     110302755     Description:     Instructional Design
Full Course Description: rfh
Couse ID:     110302758     Description:     Computer Uses in Education
Full Course Description: f
Couse ID:     110302777     Description:     Preparing Teachers and Supervising Them
Full Course Description: g
Couse ID: 110302788 Description: Research Project
Full Course Description: jn
Couse ID: 110302790Description: Comprehensive Exam
Full Course Description: a
Couse ID: 110302799 Description: Thesis
Full Course Description: tfg
Couse ID: 1803021710 Description: Curriculum Theory, Planning and Development
Full Course Description: Includes the meaning of theory in general and curriculum theory in particular, forms of
curriculum theories, approaches to curriculum, types of curricula, curricula ideologies: scholar academy, social efficiency, learner centered, and social reconstruction. It also
includes curriculum planning and development.
Couse ID:1803021711Description:Teacher Preparation and Supervision
Full Course Description: Includes theory of teacher learning and development, current and historical frameworks in
teacher preparation, models of teacher preparation, current approaches in instructional supervision, relationship between the teacher and the supervisor, developing the teaching-
learning process through supervision, and research on teacher preparation and supervision.
Couse ID:1803021712Description:Curriculum design and teaching
Full Course Description: Includes the principles of Curriculum design and teaching, elements of: school program,
teaching unit, instructional packages, teaching modules, teaching methods: lecture,
preparing instructional packages. Designing instructional units and teaching programs.
Programs' evaluation.
Couse ID: 1803021714 Description: Models of Classroom Leaching
Full Course Description: Includes the concept teaching model, families of teaching models (Models based on social
behavior analysis models.) with examples on each family: and applications of these models
in classroom practices.
Couse ID:     1803021715     Description:     Theory and Research in Teaching
Full Course Description: Includes the relationship between learning theories and teaching, applications of learning
theories on teaching, models of teaching, theories of instruction, teacher thinking, analysis
research on teaching.

**Courses Description** 

College: Educational Science	
Department: Curricula & Instruction	
Couse ID: 1803021716	Description: Curriculum Evaluation and Analysis
Full Course Description:	Includes curriculum evaluation concept; purposes, models, areas and bases of curriculum evaluation. In addition to curriculum analysis, in terms of: its philosophy, aims, content and evaluation; textbook analysis, in terms of: philosophy, aims, content, activities; development of thinking, values and attitudes; its design, layout, language, content presentations and questions.
Couse ID: 1803021720	Description: (1-8) Teaching Sience to Grades
Full Course Description:	Includes the meaning and nature of science, contemporary approaches to teaching science at the basic level as related to its objectives, content and its psychological bases; science teaching projects at this level, and examples of appropriate methods of teaching such as: Inquiry guided methods, Demonstration, Individualized Instruction, and Conceptual Change methods.
Couse ID: 1803021721	<b>Description:</b> (9-12) Teaching Scince to grades
Full Course Description:	Includes the contemporary approaches to teaching science at the secondary level as related to objectives, content and its psychological bases; science teaching projects at this level, and methods of teaching such as: Learning Cycles, Wheatley's Model, Discovery, Problem Solving, Cooperative Learning, Concept Maps, Gowin's Vee, Laboratory, Demonstration, Picture Puzzles, Misconceptions, and Conceptual Change.
Couse ID: 1803021722	Description: Assessment of Science Teaching and Learning
Full Course Description:	Includes the meaning of evaluation, its goals, types, and phases; the nature of measurement and types of instruments, and its validity & reliability; test construction and analysis; assessment of scientific concepts growth, generalizations learning, scientific processes and problem solving skills; evaluation of students' achievement, skills and attitudes; measurement of science learning environments, and research on evaluation in science teaching and learning.
Couse ID: 1803021723	Description: Contemporary Trends in Science Curriculum
Full Course Description:	Includes contemporary approaches to science teaching, such as: Scientific Literacy, Science-Technology-Society, Project 2061, and Benchmarks for Teaching Science, NSES, contemporary projects and trends in science curriculum, the science teaching learning outcomes in Jordan, and analysis of Jordanian science curriculum in light of these trends.
Couse ID: 1803021724	Description: Issues and Special Topics in Teaching Science
Full Course Description:	Includes theoretical topics, such as constructivism and constructivist models of science teaching; pedagogical content knowledge as related to teaching science and its development; inquiry and its role in teaching science, and science learning environments; instructional science teacher's encounter in elementary and secondary schools and how to approach it.
Couse ID: 1803021725	Description: Nature and Philosophy of Sience
Full Course Description:	Includes philosophies of science and their reflections on our understanding of the nature of science and its teaching and learning: deduction, induction, Hume, logical positivism, hypothetical-Deductive, Kuhn, falsification, Lakatos and Fireband; history of science and its implications on teaching science; research on the nature and philosophy of science.
Full Course Description:	Include methods and techniques of teaching science through utilizing hands-on activities; the laboratory (dry and wet) and practical filed experiences. Students are assigned to practice certain science teaching methods, either through micro-teaching, or at school settings, and investigating their effectiveness in students' learning and teachers' professional development.

**Courses Description** 

College: Educational Science	
Department: Curricula & I	nstruction
Couse ID: 1803021727	Description: Problem solving and scientific thinking
Full Course Description:	Includes the meaning of scientific thinking and significance; thinking types, scientific problem solving and decision making, their steps, applications, and uses of scientific thinking principles and skills in classroom teaching.
Couse ID: 1803021730	Description: (1-8) Teaching Mathematics for Grades
Full Course Description:	Include standards of school mathematics for grades 1–8, planning mathematics instruction to these grades, mathematical materials and tools, an effective learning environment, mathematics teaching strategies: cooperative learning, guided discovery and inquiry, demonstrations, individualized instruction, and conceptual change methods.
Couse ID: 1803021731	Description: Current Trends in Mathematics Curriculum
Full Course Description:	Include current trends in planning mathematics curriculum, variables affecting it, and math curriculum guidelines; mathematics foundations, international and national standards, and its construction and design; educational outcomes for teaching mathematics in Jordan, analysis of mathematics curriculum and teacher role in its development and implementation.
Couse ID: 1803021732	Description: Assessment of Teaching and Learning Mathematics
Full Course Description:	Include assessment of students' math achievements and taking instructional and curricular decisions according to the findings; interpretation and use of the data collected; alternative assessment and traditional assessment methods, performance tasks, and portfolios, educational materials, measurement of attitudes towards math learning, and research on math evaluation.
Couse ID: 1803021733	<b>Description:</b> Special Issues and Topics in Teaching Mathematics
Full Course Description:	Include analysis of current research in mathematics education and diagnosing its implications for classroom practice, constructivism and pedagogical content knowledge as related to mathematics education, problems of students' weaknesses in conceptual understanding, acquiring skills, and solving problems; and math integration with other school subjects
Couse ID: 1803021734	Description: (9-12) Teaching Mathematics for Grades
Full Course Description:	Include the standards of school mathematics for grades 9 – 12, and mathematics teaching methods such as: learning cycle, Bybee learning cycle, Wheatley's model, discovery, problem solving, cooperative learning, concept maps, Vee diagram, misconceptions and conceptual change; and developmentally appropriate curriculum for these grades.
Couse ID: 1803021735	Description: The Nature, Philosophy, and History of Mathematics
Full Course Description:	Include a study of the nature and philosophy of mathematics, its domains, philosophical schools related to mathematical validity, the history of mathematics, the role of some theoreticians such as Piaget, Bruner, and Ausubel and others in teaching and learning mathematics, and research concerning nature, philosophy, and history of mathematics.
Couse ID: 1803021736	<b>Description:</b> Diagnosis and Correction of Mathematics Learning Difficulties and
Full Course Description:	Includes learning difficulties in mathematics: diagnosis and providing teachers with appropriate remedial strategies.
Couse ID: 1803021737	<b>Description:</b> Problem solving and mathematical thinking
Full Course Description:	Includes the meaning of mathematical thinking and significance; thinking types, mathematical problem solving and decision making, their steps, applications, and uses of mathematical thinking principles and skills in classroom teaching.
Couse ID: 1803021/40	Description: (1) Arabic Language Teaching Methods
Full Course Description:	Includes Linguistic and educational concepts related to teaching Arabic language in Jordan; various theories connected with acquiring linguistic skills such as the constructive and analytic theories.

**Courses Description** 

College: Educational Science	
Department: Curricula & Instruction	
Couse ID: 1803021741	Description: (2) Arabic Language Teaching Methods
Full Course Description:	Concerned with Analysis of teaching Arabic and its relationship with teaching trends concerning the teacher, book, student and curriculum; application of research results connected with language teaching and learning.
Couse ID: 1803021742	<b>Description:</b> Evaluation of Learning and Teaching the Arabic language
Full Course Description:	Introduce basic concepts in evaluation; kinds of evaluation (formative, summative and diagnostic); test types; alternative assessment of (portfolios, project work sheets); tests psychometric properties: Validity and reliability; test item analysis.
Couse ID: 1803021743	<b>Description:</b> Special Issues and Topics in Teaching Arabic Language
Full Course Description:	Deals with a number of problems of Teaching Arabic Language, such as: dealing with the multi-level classes; consistency between theory and practice in language teaching and learning; teaching Arabic to large classes using the communicative approach, using technology & multimedia in language teaching.
Couse ID: 1803021744	<b>Description:</b> Miscue and Error Analysis in Arabic Language
Full Course Description:	Discusses different theories of analyzing purpose of reading and writing and their applications and use to plan curriculum aiming at reducing students' errors; analyzing research papers in this field and their effects on teaching English as a foreign language.
Couse ID: 1803021745	<b>Description:</b> Applied Linguistics and Arabic Language
Full Course Description:	Discuss the relation between theoretical linguistics principles and its application in Arabic learning/ teaching; different applied linguistics of teaching Arabic.
Couse ID: 1803021746	Description: Current Trends in Arabic Language Curriculum
Full Course Description:	Include fundamentals of curriculum and syllabus design; types of syllabi and curricula; curriculum evaluation; social, political, economic, cognitive aspects of Arabic language curriculum; recent trends in Arabic language curricula; educational reform and the development of Arabic language curriculum in Jordan.
Couse ID: 1803021747	Description: Teaching Arabic Language Systems
Full Course Description:	This course aims to introduce students to the concept of the linguistic system and its components and sub-systems has, and the existing relationship between them, and the relationship of complementarity between these systems (audio system, compositional system, grammar system, semantic system, Morphological system), And knowledge of the methods used in the teaching of each system in the light alone complementary, and strategies for the analysis and evaluation of each system of these systems, and to determine the necessary for the construction and analysis of language systems skills in accordance with the right to benefit from research and studies conducted in this area standards.
Couse ID: 1803021750	Description: (1) English Language Teaching Methods
Full Course Description:	Includes Linguistic and educational concepts related to teaching English language in Jordan various theories connected with acquiring linguistic skills such as the constructive and analytic theories.
Couse ID: 1803021751	<b>Description:</b> (2) English Language Teaching Methods
Full Course Description:	Concerned with Analysis of teaching English and its relationship with teaching trends concerning the teacher, book, student and curriculum; application of research results connected with language teaching and learning
	Description: Evaluation of Learning and Teaching the English Language
Full Course Description:	Introduce basic concepts in evaluation; kinds of evaluation (formative, summative and diagnostic); test types; alternative assessment of (portfolios, project work sheets); tests psychometric properties: Validity and reliability; test item analysis.

**Courses Description** 

College: Educational Science	
Department: Curricula & Instruction	
Couse ID: 1803021753	Description: Miscue and Error Analysis in English Language
Full Course Description:	Discusses different theories of analyzing purpose of reading and writing and their applications and use to plan curriculum aiming at reducing students' errors; analyzing research papers in this field and their effects on teaching English as a foreign language.
Couse ID: 1803021754	Description: Applied Linguistics and TEFL
Full Course Description:	Discuss the relation between theoretical linguistics principles and its application in English learning/ teaching as a foreign language; different applied linguistics of teaching English as a foreign language.
Couse ID: 1803021755	<b>Description:</b> Special Issues and Topics in Teaching English Language
Full Course Description:	Deals with a number of problems of TEFL, such as: using the first language in teaching and learning the second language; dealing with the multi-level classes; consistency between theory and practice in language teaching and learning; teaching English to large classes using the communicative approach, using technology & multimedia in language teaching.
Couse ID: 1803021756	Description: First and Second Language Acquisition
Full Course Description:	Include various theories in first and second language acquisition, general strategies in acquainting different languages, and the relation between first language learning and second language teaching.
Couse ID: 1803021757	Description: Current Trends in English Language Curriculum
Full Course Description:	Include fundamentals of curriculum and syllabus design; types of syllabi and curricula; curriculum evaluation; social, political, economic, cognitive aspects of English language curriculum; recent trends in English language curricula; educational reform and the development of English language curriculum in Jordan
Couse ID: 1803021788	<b>Description:</b> Research Seminar
Full Course Description:	This course deals with the skills of scientific research in the field of curriculum and teaching, where the theoretical content of this course focuses on the complementary experiences resulting from the study of program decisions, field practices, The course focuses on presentations, discussions, exchange of information, ideas and experiences, To develop a scientific thesis in the field of curriculum and teaching,
Couse ID: 1803021789	Description: Research Project
Full Course Description:	Requires students to prepare a micro or exploratory research in content areas of students' specialization, and reporting about this study (of 5000- 10000 words).
Couse ID: 1803021790	Description: Comprehensive Exam
Full Course Description:	شش
Couse ID: 1803021799	Description: Thesis
Full Course Description:	Includes training in writing scientific research about topics and issues in education following the scientific method steps and procedures according to the style guide. Students will then be required present and defends the research project to examination committee, which is responsible for deciding whether he passes or fail.
Couse ID: 1803023799	Description: Thesis
Full Course Description:	Includes training in writing scientific research about topics and issues in education following the scientific method steps and procedures according to the style guide. Students will then be required present and defends the research project to examination committee, which is responsible for deciding whether he passes or fail.
Couse ID: 1803026799	Description: Thesis
Full Course Description:	
Couse ID: 1803029799	Description: Thesis
Full Course Description:	

**Courses Description** 

Page Num: 9

College: Educational Science	
Department: Curricula & Instruction	
Couse ID: 2203021710	Description: Curriculum theory and design
Full Course Description:	This course deals with the main educational philosophies and theories (Essentialism, Encyclopedism, Pragmatism, Constructivism, and Islamism), and clarifies the foundations for building the curriculum (Philosophical, Epistemological, psychological, and Sociological) in the light of each of them, and their implications for each of the elements of the curriculum (objectives, content, methods and activities, and evaluation). In addition, it highlights the most important global trends in curricular design and organization (discrete subjects, activity, pivotal, curriculum unit, integrative, environmental, technological, global, hidden, and other Curricula). Finally, it emphasizes the practical aspect so that students touch the mentioned features in the Jordanian curricula, practice content analysis procedures in light of specific criteria, and discuss some recent issues, topics and developments that it is hoped will be included in the curricula later on.
Couse ID: 2203021711	<b>Description:</b> Research Methods in Curriculum & Instruction
Full Course Description:	This course deals with knowledge, skills, and values necessary to implement educational research, specifically in curricula and Instruction, and reviews the various research designs: experimental, quasi-experimental, complete random, factorial, associative, repeated measurements, and the Latin square. In addition, it trains students on the steps of conducting research, starting from defining the problem, through formulating questions and/or hypotheses, defining the study population and sample, collecting data using appropriate tools, monitoring, and interpreting results, and ending with writing recommendations. At the end of the course, the students present a simplified research outline in their field of specialization.
Couse ID: 2203021712	<b>Description:</b> Design of Technology Supported Learning Environments
Full Course Description:	The course discusses scientific research and related media that aid in the design of technology-based environments. It explores the constructivist and cultural theories of mind, education, digital authoring, and communication, and their importance for designing educational environments that support learning styles in the twenty-first century. Students will be required to collaboratively do and share work on designing a technology-enabled learning environment and share their production of digital media. Students are also required to engage in literature related to digital media, educational spaces, and design of learning environments.
Couse ID: 2203021716	<b>Description:</b> Curriculum Analysis, Evaluation & Development
Full Course Description:	This course deals with various processes that take place on the curricula such as analysis, evaluation and development. It also clarifies the concept of each of them, and identifies the reasons for working on the curriculum, and the procedures carried out to analyze, evaluate, and develop curriculum elements (objectives, content, methods, activities, and evaluation) in the light of different educational philosophies, curriculum specialization framework, and contemporary and future standards for each discipline. Students should conduct practical analysis on the curricula of their specializations.
Couse ID. 2203021719	Description. Teacher training and professional development
Full Course Description:	This course includes topics related to teachers' cadres, work requirements in the teaching professions, opportunities to develop teachers' professional and administrative performance, and in-service training opportunities. In the local community, this course helps to understand professional relationships with colleagues, superiors and parents in accordance with an ethical charter that defines the teacher's duties and rights. Studying this course results in the existence of a professional achievement file for each student; He shows his personal philosophy of teaching, the development that took place during the year, his professional experiences during the current educational stage, his professional achievements, and his reflection on them; Which contributes to making his attitudes towards the teaching profession more positive.

Couse ID: 2303021788 Description: Research seminar in curriculum and instruction

Full Course Description:

## **Courses Description**

College: Educational Science

Department: Curricula & Instruction

Couse ID: 2303021789 Description: Research project in curriculum and instruction

Full Course Description: