

## Courses Description

**College:** Educational Science

**Department:** Curricula & Instruction

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**Couse ID:** 301130      **Description:** Educational Readings in English

**Full Course Description:**

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**Couse ID:** 301212      **Description:** Math. for the Elem. Level Teacher (2)

**Full Course Description:**

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**Couse ID:** 301213      **Description:** Science for the Elem. Level Teacher(1)

**Full Course Description:**

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**Couse ID:** 301214      **Description:** Science for the Elem. level Teacher(2)

**Full Course Description:**

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**Couse ID:** 301219      **Description:** Social Studies for the Elem.Level Teacher

**Full Course Description:**

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**Couse ID:** 301311      **Description:** Arabic Lang.Teaching for Beginners

**Full Course Description:**

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**Couse ID:** 301314      **Description:** Islamic Edu. Teaching for Beginners

**Full Course Description:**

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**Couse ID:** 301316      **Description:** Science Teaching for Beginners

**Full Course Description:**

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**Couse ID:** 301319      **Description:** Social Studies Teaching for Beginners

**Full Course Description:**

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**Couse ID:** 301320      **Description:** Concepts Development

**Full Course Description:**

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**Couse ID:** 301333      **Description:** Vocational Education

**Full Course Description:**

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**Couse ID:** 301335      **Description:** Musical Education

**Full Course Description:**

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**Couse ID:** 301481      **Description:** Instrutional Design

**Full Course Description:**

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**Couse ID:** 301491      **Description:** Practicum (1)

**Full Course Description:**

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**Couse ID:** 301492      **Description:** Practicum (2)

**Full Course Description:**

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**Couse ID:** 306100      **Description:** Fine Arts

**Full Course Description:**

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**Couse ID:** 306211      **Description:** Introduction to Art Education

**Full Course Description:**

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**Couse ID:** 306222      **Description:** Introducton to islamic Art

**Full Course Description:**

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**Couse ID:** 306232      **Description:** Drawing(1)

**Full Course Description:**

## Courses Description

**College:** Educational Science

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**Couse ID:** 306241      **Description:** Photography(1)

**Full Course Description:**

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**Couse ID:** 306251      **Description:** Arabic Calligraphy

**Full Course Description:**

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**Couse ID:** 306323      **Description:** History of World Art(2)

**Full Course Description:**

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**Couse ID:** 306324      **Description:** Art Critieism

**Full Course Description:**

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**Couse ID:** 306333      **Description:** Drawing(2)

**Full Course Description:**

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**Couse ID:** 306353      **Description:** Etching and Printmaking (1)

**Full Course Description:**

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**Couse ID:** 306355      **Description:** Two Dimentional Design (1)

**Full Course Description:**

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**Couse ID:** 306361      **Description:** Ceramics(1)

**Full Course Description:**

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**Couse ID:** 306364      **Description:** Sculpture(1)

**Full Course Description:**

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**Couse ID:** 306381      **Description:** Teaching Children Songs

**Full Course Description:**

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**Couse ID:** 306386      **Description:** Theatre & Acting

**Full Course Description:**

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**Couse ID:** 306413      **Description:** Special Topics in Art Education

**Full Course Description:**

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**Couse ID:** 306444      **Description:** Photography

**Full Course Description:**

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**Couse ID:** 306454      **Description:** Etching and Printmaking (2)

**Full Course Description:**

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**Couse ID:** 306456      **Description:** Two Dimentional Design (2)

**Full Course Description:**

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**Couse ID:** 306457      **Description:** Book Art

**Full Course Description:**

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**Couse ID:** 306462      **Description:** Ceramics (2)

**Full Course Description:**

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**Couse ID:** 306465      **Description:** Sculpture(2)

**Full Course Description:**

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**Couse ID:** 306466      **Description:** Sculpture(3)

**Full Course Description:**

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**College:** Educational Science

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**Couse ID:** 306467      **Description:** Hand Crafts

**Full Course Description:**

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**Couse ID:** 306490      **Description:** Practicum

**Full Course Description:**

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**Couse ID:** 2301111      **Description:** Islamic Edu. for the Elem. Level Teacher(1)

**Full Course Description:**

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**Couse ID:** 2301112      **Description:** Islamic Edu. for the Elem. Level Teacher(2)

**Full Course Description:**

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**Couse ID:** 2301115      **Description:** Arabic Lang. For The Elem. Leavel Teacher (1)

**Full Course Description:**

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**Couse ID:** 2301116      **Description:** Arabic Lang. for the Elem. Level Teacher (2)

**Full Course Description:**

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**Couse ID:** 2301211      **Description:** Math. Edu. for the Elem. Level Teacher(1)

**Full Course Description:**

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**Couse ID:** 2301230      **Description:** Fundamentals of Curricula

**Full Course Description:**

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**Couse ID:** 2301315      **Description:** Mathematics Teaching for Beginners

**Full Course Description:**

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**Couse ID:** 2301350      **Description:** Design & Production of Teaching Aides

**Full Course Description:**

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**Couse ID:** 2301359      **Description:** Computer Usage in Education

**Full Course Description:**

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**Couse ID:** 2306212      **Description:** Children`s Drawings

**Full Course Description:**

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**Couse ID:** 2306221      **Description:** History of World Art (1)

**Full Course Description:**

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**Couse ID:** 2306231      **Description:** Fundamentals of Prospective

**Full Course Description:**

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**Couse ID:** 2306342      **Description:** Photography(2)

**Full Course Description:**

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**Couse ID:** 2306434      **Description:** Drawing(3)

**Full Course Description:**

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**Couse ID:** 2306443      **Description:** Photography(3)

**Full Course Description:**

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**Couse ID:** 2306463      **Description:** Ceramics(3)

**Full Course Description:**

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**Couse ID:** 2306471      **Description:** Curricula & Methods of Teaching Art Education

**Full Course Description:**

## Courses Description

**College:** Educational Science

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**Couse ID:** 3301491      **Description:** Praticum(1)

**Full Course Description:**

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**Couse ID:** 3301492      **Description:** Practicum (1)

**Full Course Description:**

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**Couse ID:** 3301493      **Description:** Practicum

**Full Course Description:**

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**Couse ID:** 3306352      **Description:** Decoration Design

**Full Course Description:**

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**Couse ID:** 110302130      **Description:** Methods of Teaching for Grades 1-3

**Full Course Description:** Describe components of classroom situation, G1-3 teachers' skills and competencies, such as: planning, consideration of the developmental traits of the students; teaching skills (introduction, questioning techniques, using wait time strategy, and varying stimuli), the implementation of appropriate instructional models and strategies.

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**Couse ID:** 110302131      **Description:** Holy Qur'an, and its Sciences and their Teaching Methods

**Full Course Description:** Introduces the Holy Qur'an, and its basic Sciences, the efforts of Islam scholars to maintain them, Qur'an importance in our lives, its recitation and interpretation. Doctrine: its concepts and characteristics that distinguishes it from other faiths, their implications for the life of individuals and society, and the strategies used in teaching Qur'an and the Islamic doctrine

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**Couse ID:** 110302133      **Description:** Reading Skills and their Teaching Methods

**Full Course Description:** Include the concept of reading and its development, process, and learning outcomes. Reading skills and their relationship with other linguistic skills, readiness for reading; methods of teaching reading for the first three grades, assessment of reading skills, and issues in reading such as: failure of reading, methods of remedies and recovery, the concept of listening.

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**Couse ID:** 110302134      **Description:** History and Geography of Jordan and their Teaching Methods

**Full Course Description:** Provide a short introduction to the history of the Arab and Islamic state, Jordan modern history and geography; basic concepts of social and civic education and its importance, instructional goals of social and national education, contemporary methods in teaching and assessment of social and civic education.

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**Couse ID:** 110302170      **Description:** Study Skills

**Full Course Description:** Deal with the concept of study skills, their importance and factors that affect their learning; self regulation, listening, participation, note-taking, reading, summarizing, using visual organizers, presenting ideas, using library and internet to access information, test preparation and taking skills and applications on the aforementioned skills.

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**Couse ID:** 110302212      **Description:** Children's Drawings

**Full Course Description:** Include a brief article about the early studies of children's drawings. It acquaints them with the main theories concerning children's graphic images, such as: Innate theory including sub-related theories such as (Gestalt, Cognitive, and developmental theories). It also acquaints them with children's exhibitions, their types, and their educational goals

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**Couse ID:** 110302230      **Description:** Foundations of Curriculum

**Full Course Description:** Include the concept of curriculum and its historical development, the foundations and principles of the curriculum, curriculum components, and various curriculum organizations, such as: separate Broad fields, project, Pivotal, core, Units, and spiral approaches.

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**Couse ID:** 110302232      **Description:** Hadith and Profit's Biography and their Teaching Methods

**Full Course Description:** Introduce the basic concepts of the Hadith, the importance of Hadith in Muslims' lives, and its role in youth education, and the virtue of its learning and teaching, and its relationship to the Prophet's biography, in addition to introducing the most important principles and strategies used in teaching Hadith and the biography of the Prophet Muhammad.

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**Couse ID:** 110302233      **Description:** Aqidah, jurisprudence, and Ethics and their Teaching Methods

**Full Course Description:** Introduce the basic concepts of Aqidah and jurisprudence, its sources and rules that organize the Muslim life, worship, and transactions. The basic Islamic secular schools of jurisprudence, Ethics of Islam, their characteristics, and the values associated with them. The strategies and principles used in teaching aqidah, jurisprudence and Islamic ethics.

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**Couse ID:** 110302234      **Description:** Language Concepts and their Teaching Methods

**Full Course Description:** Include the concept of language pattern, linguistic structures and methods of its development, basics of Arabic grammar such as: nominal and verbal sentences, verbs, common daily use of language, distinguishing the meaning of feminine, nawaseb, present verb and its jawazem, prepositions and adverbs, and classifying the procedural steps for teaching these concepts.

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**Couse ID:** 110302235      **Description:** History and Geography of the Arab World and their Teaching Methods

**Full Course Description:** Include a brief introduction to modern Arabs' history and the geography of the Arab world, social skills, and the basic concepts of human rights; familiarize students with the curricula and textbooks of social and civic education; special topics in social studies and resources of teaching and learning social studies.

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**Couse ID:** 110302236      **Description:** Fundamental Mathematical Concepts and their Teaching Methods

**Full Course Description:** Include mathematical structure, knowledge, mathematics teaching standards; methods of teaching its concepts: classification, comparing, patterns, counting and numbers, the place value, odd and even numbers, prime numbers, fractions, estimation and approximation, operations on numbers, metric system, diameter, area, volume, mass, capacity, coins and time

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**Couse ID:** 110302237      **Description:** Biological Concepts and their Teaching Methods

**Full Course Description:** Present the concepts: matter and energy, force and motion, science, misconceptions and teaching physical science concepts and generalizations. Strategies of teaching these concepts such as: lab based science teaching methods, demonstrations, discovery, inquiry and problem solving, wet and dry laboratory, integration of ICT and internet with science education.

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**Couse ID:** 110302238      **Description:** Chemical and Earth Concepts and their Teaching Methods

**Full Course Description:** Presents chemistry, geology, and space science concepts, its significant role in human life; methods of teaching those disciplines; emphasizing the constructivist approach and its teaching strategies as: cooperative learning, inquiry, concept maps, science projects, simulation, PowerPoint presentations, field trips, dry lab, technology and internet integration

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**Couse ID:** 110302259      **Description:** Computer Use in Education

**Full Course Description:** Includes the concept of computer and its role in the teaching learning process; its role in developing technological innovation, promoting individual learning, problem based learning critical thinking development, instructional software design and evaluation, and using the Internet in the teaching learning process.

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**Couse ID:** 110302271      **Description:** Educational Readings in English

**Full Course Description:** Include a collection of educational readings in English language; deals with general educational topics related to: curriculum and instruction, educational psychology, educational counseling, foundations of education and school administration.

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**Couse ID:** 110302335      **Description:** Social Studies and Contemporary Issues

**Full Course Description:** t

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**Couse ID:** 110302336      **Description:** Writing Skills and their Teaching Methods

**Full Course Description:** Deal with the concepts of writing, the concept of dictation and talk; procedures for teaching and evaluating each type, and ways to correct dictation and spelling errors; the main procedures for teaching hand writing and how to improve hand writing; the relationship between writing and other language skills

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**Couse ID:** 110302337      **Description:** Numbers and Applications and their Teaching Methods

**Full Course Description:** Include mathematical knowledge, generalizations, algorithms and skills, mathematical problem solving. It also includes: natural numbers, integers, rational numbers, real numbers and operations on it, mental mathematics, divisors, multiples, divisibility, ratio and proportion, percentage, powers and roots and operations on it, and their teaching methods

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**Couse ID:** 110302338      **Description:** Geometrical Concepts and their Teaching Methods

**Full Course Description:** Include current trends in teaching math. such as: problem solving, improving classroom environment, and remedial instruction. Geometric topics and its teaching methods: point, line segment, straight line, ray, angle, parallel lines, perpendicular lines, similarity, congruence, polygons, solids, areas and volumes, coordinate geometry, and transformations geometry.

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**Couse ID:** 110302339      **Description:** Physical Concepts and their Teaching Methods

**Full Course Description:** Present basics in Biological science such as: taxonomy of living organisms, human body, health issues, plants and their characteristics; and emergent issues in Biology. Teaching methods of these subjects: constructivism, cooperative learning, inquiry, concept maps, V-diagram, conceptual change, science projects, dry lab, and ICT and internet integration.

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**Couse ID:** 110302352      **Description:** Instructional Design

**Full Course Description:** Include the fundamentals of instructional design, including the principles of learning theory, and instructional strategies that are relevant to instructional design, the purpose and approach to completing each phase of instructional design process, production of a set of output from each of these phases within the final course project

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**Couse ID:** 110302372      **Description:** Music Education

**Full Course Description:** Include basic musical skills appropriate for elementary school teacher, musical elements such as: songs and rhymes and the activities teachers' use to teach them: musical games, songs, motor story, and methods of teaching them. This course also allows students to handle instruments that suit elementary students' needs and their psychomotor development stage.

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**Couse ID:** 110302374      **Description:** Vocational Education

**Full Course Description:** Cover the concept of vocational education, the elements of vocational culture: The professions and families, occupational classification, the reality of the labor market and the teaching skills necessary to teach vocational topics included in the curriculum of elementary grades with emphasis on some related practical aspects.

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**Couse ID:** 110302419      **Description:** Education for Sustainable Development

**Full Course Description:** Include the concepts of sustainability and its relationship with education. It also seeks to raise the students' awareness of the importance of directing education to realizing sustainability in various natural environments. Furthermore, in this course, students are required to try out several strategies to integrate sustainability concepts in the various educational curricula.

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**Couse ID:** 110302482      **Description:** Assessment of Students' Learning

**Full Course Description:** Include the concept of assessment, its role in the teaching learning process, assessment features, domains, methods and applications, assessment based on learning outcomes, learning objectives classification, and assessment instruments in the first three primary stages, applications for improving and using appropriate assessment, and the electronic assessment.

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**College:** Educational Science

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**Couse ID:** 110302495      **Description:** Practicum

**Full Course Description:** Aims to empower students to practice teaching partially then totally; train student teachers to practice teaching skills needed for successful instruction. Students are supposed to spend five days a week at school along a whole semester, and discuss his/her experience with colloques in a weekly forum, held at the university campus.

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**Couse ID:** 150302496      **Description:** Practicum

**Full Course Description:** Aims to empower students to practice teaching partially then totally; train student teachers to practice teaching skills needed for successful instruction. Students are supposed to spend five days a week at school along a whole semester, and discuss his/her experience with colloques in a weekly forum, held at the university campus.

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**Couse ID:** 150302497      **Description:** Practicum

**Full Course Description:** Aims to empower students to practice teaching partially then totally; train student teachers to practice teaching skills needed for successful instruction. Students are supposed to spend five days a week at school along a whole semester, and discuss his/her experience with colloques in a weekly forum, held at the university campus.

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**Couse ID:** 1903021132      **Description:** Social and National Education and Its Teaching Methods

**Full Course Description:** This course addresses the concept of social education (its nature and components: history, geography, national education) and its objectives and importance. The course also discusses instructional planning, instructional objectives, competencies necessary for teachers of social studies, different learning resources, non-classroom activities, homework assignments, textbooks, current events, local environment, teaching aids, social and national education curriculum for the early three grades in terms of: trends, values, skills, use of direct observation and methods of teaching history, maps, problem solving, creativity and evaluation in the field of social studies

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**Couse ID:** 1903021135      **Description:** Recitation Course and its Methods of Teaching

**Full Course Description:** This course addresses the most important provisions of recitation (Tajweed): that includes: the definition, the rules, the objectives, the purpose, the degrees of Tajweed. It also discusses the types of verbal mistakes committed and the different types and rules of recitation of the Qur'an are fully and elaborately explained. In addition, the place and manner of articulation of different sounds are highlighted and practiced exclusively. Students have to practice the rules of recitation in different ways in connection of other language sciences. The 30th part of the Quraan (Anabah) will be used in this course.

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**Couse ID:** 1903021225      **Description:** Critical and creative thinking

**Full Course Description:**

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**Couse ID:** 1903021227      **Description:** Smart Education

**Full Course Description:** The course aims to empower students and educate them in the field of smart learning environments, tools and systems by introducing them to the basic pillars of Smart Education including distance-learning environment, providing resources and content on demand, and providing learning management systems to follow students' interaction. It also keeps track of students' attendance and delivering lectures. The course will address educational platforms and learning management systems that support intelligent learning and efficient coping mechanisms. It will also address smart devices and how to employ them to upgrade the educational process and to raise its standards. The course will also address learning styles that support smart education and take advantage of its potentials (e.g. virtual classes, Flipped learning, augmented reality and virtual reality).

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**College:** Educational Science

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**Couse ID:** 1903021231      **Description:** Literary Appreciation in Arabic and Its Teaching Methods

**Full Course Description:** This course addresses the appreciation skills of literary elements for Grades:1-3, such as words, structures, ideas, meanings, passion, imagination, and music, using selected literary texts to analyze their literary elements. It also addresses teaching methods that help teachers improve the literary sense of the learners to analyze and appreciate the literary texts they encounter

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**Couse ID:** 1903021239      **Description:** Art Education and curriculum and methods of teaching art

**Full Course Description:** The course aims at defining the meaning of art and artistic appreciation, the concept of art education and contemporary art education, its history, its importance, the rationale for its teaching, the nature of its methods and its fields, the knowledge, skills and activities needed to teach them, its artistic terminology as values Aesthetic, expressive, creative, artistic, artistic school, style, simulation, and quotation. It also defines objectives, methods and strategies of teaching it, the sources of its learning, the art galleries and their specifications/types and straightened them out. Moreover, it includes a theoretical and applied framework based on the study of artwork elements, building blocks, training students in the formulation of teaching objectives, preparation of content analysis, annual and study plans, and performance-based evaluation tools. This article also discusses the stages of the child's artistic development in the first three grades and how to deal with them and guide them and identify the necessary skills, information, materials, tools and multiple sources of the local environment in order to develop the queen of creativity and artistic appreciation.

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**Couse ID:** 1903021272      **Description:** English Language Concepts and Its Teaching Methods

**Full Course Description:**

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**Couse ID:** 1903021275      **Description:** Socialization of children

**Full Course Description:**

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**Couse ID:** 1903021333      **Description:** Expressive activities

**Full Course Description:** This course deals with expressive activities and their role in language education for the first three grades. It focuses on linguistic and literary activities: listening concept, operations, skills, methods of teaching and evaluation, speaking its concept, skills, processes, methods of teaching and evaluation, drama, discussion sessions, simulation, role playing, drawing, imagination, coloring, music games, and kinetic stories.

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**Couse ID:** 1903021334      **Description:** Differentiated instruction and classroom interaction

**Full Course Description:** This course deals with the differentiated instruction approach in terms of: origin, concept, development, and principles of differentiation in the light of learning theories and their justifications. It reviews the theories and models that explain the differences between learners in their learning and intelligence patterns. It also shows teaching elements that could be differentiated, as well as effective strategies for applying this approach. It also explains the relation between differentiation and each of active learning, organizing understanding, and managing the classroom situation during being applied. The course also explains the appropriate mechanisms of evaluation according to this approach, and ends with a set of applications on different subjects.

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**Couse ID:** 1903021336      **Description:** Reading and Writing Skills and Their Teaching Methods

**Full Course Description:**



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**Couse ID:** 1903021496      **Description:** Practicum (1)

**Full Course Description:** Practicum (1) aims to prepare students to start practicing the profession of teaching by getting acquainted with the reality of the educational process and the resources available in schools that are visited for one day per week throughout a semester (16 weeks), during which they analyze the reality of the school and review the health facilities and services and guidance, interviews with its employees, observations of the teaching process, participation in the partial implementation of some classroom lessons, and writing reports to be discussed in theoretical lectures that take place inside the university, which take place for two theoretical hours.

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**Couse ID:** 1903021497      **Description:** Practicum (2)

**Full Course Description:** Practicum (2) provides students with the opportunity to apply the knowledge, skills, and values they have acquired throughout their years of study, to enhance professional practice and teaching competencies as resident teachers in partner schools over an entire semester (16 weeks).

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**Couse ID:** 2203021100      **Description:** Movement Education

**Full Course Description:** The purpose of this course is to study motion from education point of view and its effect on children growth to have healthy posture. Also, the course deals with fundamental motor patterns, which represent the bulk of children's life. In addition, it aims to help children to maximize their motor abilities to best level. This course includes practical applications and physical training in kinetic education that focus on how to teach and develop the basic motor skills of the child and link them to different sports.

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**Couse ID:** 2203021130      **Description:** Methods of Teaching for Grades 1-3

**Full Course Description:** Describes the components of classroom situation, G1-3 teachers' skills and competencies, such as: planning, consideration of the developmental traits of the students; teaching skills (introduction, questioning techniques, using wait time strategy, and varying stimuli), the implementation of appropriate instructional models and strategies.

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**Couse ID:** 2203021131      **Description:** Linguistic concepts and its methods of teaching

**Full Course Description:** This course deals with the concept of linguistic style and linguistic structures, methods of their development, the basics of Arabic grammar, such as simple nominal sentences, simple phrasal verbs, common methods in daily use. Dualism and plural, text, case and object in its simple forms, and verbs. The present and its conjugations, prepositions and adverbs, and clarification of the procedural steps for teaching linguistic structures and the differences between teaching it and teaching grammatical and morphological concepts.

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**Couse ID:** 2203021132      **Description:** Fundamental of Mathematical Concepts and their Teaching Methods

**Full Course Description:** Include the mathematical structure concept, types of mathematical knowledge (concepts, generalizations, theorems, algorithms and skills, mathematical problem-solving), and school mathematics principles and standards (NCTM). Concepts of classification, comparison, patterns, the place value of the number, odd and even numbers, primary numbers, fractions, whole numbers operations, teaching strategies of mathematical concepts, and assessment models.

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**Couse ID:** 2203021133      **Description:** History and Geography of Jordan and their Teaching Methods

**Full Course Description:** Provides a short introduction to the history of the Arab and Islamic states, Jordan modern history and geography; basic concepts of social and civic education and its importance, instructional goals of social and national education, contemporary methods in teaching and assessment of social and civic education.

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**Couse ID:** 2203021134      **Description:** Hadith and Profit's Biography and their Teaching Methods

**Full Course Description:** Introduces basic concepts of Hadith, importance of Hadith in Muslims' lives, its role in youth education, the virtue of its learning and teaching, and its relationship to the Prophet's biography, in addition to introducing the most important principles and strategies used in teaching Hadith and the biography of the Prophet Muhammad.

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**Couse ID:** 2203021151      **Description:** E-portfolio (1)

**Full Course Description:** This course includes a definition of the E-portfolio in terms of: concept, components, the main cores that it contains, according to the competencies of the early grades' teachers and their preparation standards. It also illustrates the nature of the evidences that they have to collect from various academic subjects, and how they can be obtained. At the end of the semester, the students present an action plan in details of what they will do until the end of their studies.

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**Couse ID:** 2203021212      **Description:** Children's drawing

**Full Course Description:** This course includes a historical overview about children's drawings and the most prominent studies that they dealt with, and theories of children's drawings such as innate and what emerges from them such as Chestnuts, psychoanalysis, cognitive and evolution. Influential (environmental) and interactive theory, with a practical analysis of children's drawings through description, analysis, comparison and then conclusion. A study of the innate factors and transparency in the drawings of different age groups in application of the interactive theory.

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**Couse ID:** 2203021222      **Description:** play-based learning

**Full Course Description:** This course deals with play as the principle medium of children's learning and development, from the ages of 5 through 9 years. Students will learn the teacher's role in supporting, facilitating, and guiding children's play. It emphasizes the value of play and creativity in young children's learning and development. As it also introduces the stages and types of children's play and their characteristics. The course also provides students with the knowledge of how to arrange space, time and materials to support children's play; basic competence in active listening and appropriate speech for young children; and how to integrate play into the curriculum.

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**Couse ID:** 2203021231      **Description:** Literary Appreciation in Arabic and Its Teaching Methods

**Full Course Description:** This course addresses the appreciation skills of literary elements for Grades:1-3, such as words, structures, ideas, meanings, passion, imagination, and music, using selected literary texts to analyze their literary elements. It also addresses teaching methods that help teachers improve the literary sense of the learners to analyze and appreciate the literary texts they encounter

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**Couse ID:** 2203021232      **Description:** Numbers and Applications and their Teaching Methods

**Full Course Description:** addresses modern trends and issues in mathematics curricula and teaching methods in the early grades, groups as the basis for teaching numbers, and deals with characteristics and groups of (natural numbers, integers numbers, rational numbers, irrational numbers, and real numbers) and operations on them, mental arithmetic and teaching methods, the principles of numbers theory such as the greatest common denominator, the smaller common multiplier, divisibility, ratio and proportion and proportionality, percentage, powers and roots and teaching methods, analysis of factors, and the concept of function.

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**Couse ID:** 2203021233      **Description:** Social and National Education and Its Teaching Methods

**Full Course Description:** This course addresses the concept of social education (its nature and components: history, geography, national education) and its objectives and importance. The course also discusses instructional planning, instructional objectives, competencies necessary for teachers of social studies, different learning resources, non-classroom activities, homework assignments, textbooks, current events, local environment, teaching aids, social and national education curriculum for the early three grades in terms of: trends, values, skills, use of direct observation and methods of teaching history, maps, problem solving, creativity and evaluation in the field of social studies

## Courses Description

**College:** Educational Science

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**Couse ID:** 2203021234      **Description:** Aqidah, jurisprudence, and Ethics and their Teaching Methods

**Full Course Description:** Introduces the basic concepts of Aqidah and jurisprudence, its sources and rules that organize the Muslim life, worship, and transactions. The basic Islamic secular schools of jurisprudence, Ethics of Islam, their characteristics, and the values associated with them. The strategies and principles used in teaching Aqidah, jurisprudence and Islamic ethics.

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**Couse ID:** 2203021235      **Description:** Biological Concepts and their Teaching Methods

**Full Course Description:** This course deals with the nature of science: its concept, objectives, structure, research fields, methodology, stages of development, and postulates. Then, it introduces basic concepts in biology and how to teach them, such as the characteristics of living organisms, their diversity, methods of reproduction, and levels of organization (starting with cells and their structure, tissues and their types, organs and systems, and ending with the body of the organism). It presents biological processes such as cellular transport, cell division, respiration, photosynthesis, and genetics. Then it ends with an overview of taxonomy. Students are trained on strategies for learning concepts such as induction and deduction, brainstorming, probing questions, conceptual change and directed inquiry.

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**Couse ID:** 2203021236      **Description:** Reading skills and its methods of teaching

**Full Course Description:** This course deals with the concept of reading and its development, lesson planning skills, description of the reading process, learning outcomes, skills, and its relationship to other language skills, reading readiness, reading extent, oral reading and silent reading, methods of teaching reading for the first three grades, and practical examples. Evaluating students' performance in reading. Reading weakness and its methods of treatment.

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**Couse ID:** 2203021239      **Description:** Art education curriculum and methods of teaching

**Full Course Description:** The course aims at defining the meaning of art and artistic appreciation, the concept of art education and contemporary art education, its history, its importance, the rationale for its teaching, the nature of its methods and its fields, the knowledge, skills and activities needed to teach them, its artistic terminology as values Aesthetic, expressive, creative, artistic, artistic school, style, simulation, and quotation. It also defines objectives, methods and strategies of teaching it, the sources of its learning, the art galleries and their specifications/types and straightened them out. Moreover, it includes a theoretical and applied framework based on the study of artwork elements, building blocks, training students in the formulation of teaching objectives, preparation of content analysis, annual and study plans, and performance-based evaluation tools. This article also discusses the stages of the child's artistic development in the first three grades and how to deal with them and guide them and identify the necessary skills, information, materials, tools and multiple sources of the local environment in order to develop the queen of creativity and artistic appreciation.

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**Couse ID:** 2203021252      **Description:** E-portfolio (2)

**Full Course Description:** In this course, the students work on building the basic structure of the E-portfolio as a website, in accordance with the necessary competencies for teachers and the criteria of their training. In which, they include the available evidences until that time. This course requires students to regard the standards and principles of designing a good website that enables them to market themselves for the future.

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**Couse ID:** 2203021325      **Description:** Teaching thinking for grades (1-3)

**Full Course Description:** The idea of this course is based on transcending the traditional frameworks of teaching and learning processes, through utilizing instruction process in teaching thinking. it deals with the concept of thinking, types, skills of each, the importance of learning them, teaching them in curricula, teaching thinking strategies, utilizes thinking routines in the teaching process, and training students to use it in their learning.

## Courses Description

**College:** Educational Science

**Department:** Curricula & Instruction

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**Couse ID:** 2203021330      **Description:** health education and school health

**Full Course Description:** This course deals with human body and health, provides primary school student-teachers with the knowledge, skills, and values they need to deal with issues related to child health and communicable diseases and their prevention, drugs' side effects, food and nutrition, and school health. It is also supposed to enable them to deal with students who suffer from physical disabilities or chronic diseases, and help them spread health awareness among their students later on.

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**Couse ID:** 2203021331      **Description:** Writing skills and its methods of teaching

**Full Course Description:** This course deals with the concept of writing, its foundations and skills for the first three grades, the concept of dictation and its importance, purposes, types and methods of teaching each type. Methods of correcting dictation errors and methods of treatment. The concept of written expression, its outcomes of teaching and learning, its types, method of teaching each type, and evaluating students' performance. The concept of calligraphy and its importance, outcomes, methods of teaching calligraphy, evaluating students' performance, ways of improving it, and the relationship of writing with other language skills.

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**Couse ID:** 2203021332      **Description:** Geometrical Concepts and their Teaching Methods

**Full Course Description:** Includes current trends in teaching math. such as: problem solving, improving classroom environment, and remedial instruction. Geometric topics and its teaching methods: point, line segment, straight line, ray, angle, parallel lines, perpendicular lines, similarity, congruence, polygons, solids, areas and volumes, coordinate geometry, and transformations geometry.

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**Couse ID:** 2203021335      **Description:** Chemical and Earth Concepts and their Teaching Methods

**Full Course Description:** This course deals with the nature of science: its concept, objectives, structure, research fields, methodology, stages of development, and postulates. Then, it introduces basic concepts in biology and how to teach them, such as the characteristics of living organisms, their diversity, methods of reproduction, and levels of organization (starting with cells and their structure, tissues and their types, organs and systems, and ending with the body of the organism). It presents biological processes such as cellular transport, cell division, respiration, photosynthesis, and genetics. Then it ends with an overview of taxonomy. Students are trained on strategies for learning concepts such as induction and deduction, brainstorming, probing questions, conceptual change and directed inquiry.

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**Couse ID:** 2203021336      **Description:** Expressive activities

**Full Course Description:** This course deals with expressive activities and their role in language education for the first three grades. It focuses on linguistic and literary activities: listening concept, operations, skills, methods of teaching and evaluation, speaking its concept, skills, processes, methods of teaching and evaluation, drama, discussion sessions, simulation, role playing, drawing, imagination, coloring, music games, and kinetic stories.

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**Couse ID:** 2203021352      **Description:** Instructional Design

**Full Course Description:** The course aims at enabling the student to employ learning and communication theories along with technology in order to design effective learning experiences. Students will learn to content analysis in order to choose the media, design a learning environment that takes into account student's needs, level and interests in light of curriculum objectives and desired learning outcomes. During the course the students will work in small groups to design learning experiences based on digital technology in light of instructional design models to bridge the gap between theory and practice and help students apply what they learn based on the systems approach and the basic instructional design stages: Analysis design, development, implementation and evaluation.

## Courses Description

**College:** Educational Science

**Department:** Curricula & Instruction

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**Couse ID:** 2203021353      **Description:** E-portfolio (3)

**Full Course Description:** In this course, students pursue working on their portfolios to become in their semi-final forms by the end of the semester. Students should take into account the excellence in their designs, fulfilling the portfolio's requirements, and including a reflective paper at the beginning of each domain. They also should organize them according to teacher's standards and competencies, providing evidences, such as documents, certificates, and photos (a unit plan, a video of a lesson that was implemented, sample worksheets, reports for field visits, peer assessment, theoretical research, electronic portfolios, etc.). They necessarily must consider scientific and academic integrity, in quoting and using images and multimedia.

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**Couse ID:** 2203021372      **Description:** Music Education

**Full Course Description:** This course deals with musical skills appropriate for elementary school teacher, musical elements such as: songs and rhymes and the activities teachers' use to teach them: musical games, songs, motor story, and methods of teaching them. This course also allows students to handle instruments that suit elementary students' needs and their psychomotor development stage.

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**Couse ID:** 2203021419      **Description:** Environmental education for children

**Full Course Description:** This course deals with the study and analysis of the environment in its comprehensive sense, and its problems and how to confront them. It also focuses on the concept of environmental education, identifying its goals, its approaches, methods of integrating environmental values into various school subjects, mechanisms for instilling them in children, determining the role of the teacher, how to plan and implement environmental education programs, and the use of strategies suitable for teaching in early grades.

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**Couse ID:** 2203021430      **Description:** Differentiated instruction and classroom interaction

**Full Course Description:** This course deals with the differentiated instruction approach in terms of: origin, concept, development, and principles of differentiation in the light of learning theories and their justifications. It reviews the theories and models that explain the differences between learners in their learning and intelligence patterns. It also shows teaching elements that could be differentiated, as well as effective strategies for applying this approach. It also explains the relation between differentiation and each of active learning, organizing understanding, and managing the classroom situation during being applied. The course also explains the appropriate mechanisms of evaluation according to this approach, and ends with a set of applications on different subjects.

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**Couse ID:** 2203021431      **Description:** Reading and written miscues and its treatment

**Full Course Description:** This course deals with the concept of reading and written miscues, the diagnosis of reading and written miscues and its relationship to learning other language skills, the causes of reading weakness, dyslexia, analyzing the miscues of aloud reading, the causes of writing weakness, Problems of Arabic calligraphy, spelling errors and methods of treatment. Activities and training to address reading vulnerability, activities, and training to address writing vulnerability.

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**Couse ID:** 2203021432      **Description:** math learning difficulties

**Full Course Description:** This course deals with the basic concepts associated with academic learning difficulties in general and the most important difficulties related to learning mathematics, such as: difficulties in learning numerical concepts and their representation (whole numbers, regular fractions, mixed numbers), patterns of errors and how to address them, and difficulties in learning operations on numbers, as well as difficulties in learning the concepts of Euclidean geometry and measurement. and how to treat it. And to identify the behavioral and cognitive characteristics of those with special difficulties, the explanatory frameworks and the factors contributing to each of those difficulties, and the educational methods of treatment for those difficulties.

## Courses Description

**College:** Educational Science

**Department:** Curricula & Instruction

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**Couse ID:** 2203021433      **Description:** Contemporary Issues in Social Studies

**Full Course Description:** This course provides students with a definition of social studies, its development, importance, and nature, as well as its relationship with educational and social sciences and methods of teaching and evaluation. The course will also touch base on a number of contemporary issues such as thinking development, citizenship, family and population education, health education, global education, road education, environmental education, citizenship education, and social problems.

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**Couse ID:** 2203021435      **Description:** Physical Concepts and their Teaching Methods

**Full Course Description:** This course introduces the main concepts of physics in such domains: mechanics, gravity, heat, electricity, magnetism, light, sound, and astronomy. In addition, it introduces their teaching methods based on exploration and investigation; employing the laboratory; using simulation and computer programs. It also presents the strategies for revealing alternative concepts and treating them through dialogue, discussion and experiment, and the use of appropriate expressions and analogies.

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**Couse ID:** 2203021440      **Description:** Contemporary school curriculum

**Full Course Description:** The course aims to deepen the student's understanding of the philosophical, cultural and psychological foundations of the modern curriculum, increase his understanding of the curriculum's components, and introduce the modern trends in building the curriculum and its applications in Jordan, the electronic curriculum and its applications in education, and modern educational approaches to building and developing the curriculum, such as Introduction to concepts and learners' need, society's problems and issues, environmental approach, definition of curriculum quality standards and their applications, the relationship of the school curriculum with identity, citizenship, knowledge and informatics society, and the curriculum's roles in developing creative and critical thinking, introducing units of study and a historical overview of them, and the relationship of units with the curriculum.

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**Couse ID:** 2203021445      **Description:** Recent trends in curricula and teaching

**Full Course Description:** Examine the contemporary developments and issues of the curricula and provide opportunities for the student to study and analyze research and master's theses related to curriculum development and evaluation. It also deals with the presentation and analysis of various problems related to the elements of the educational process, both at the level of the curriculum with its various elements, at the level of the student, dealing with it and enhancing his learning, and at the level of the learning environment, and this includes providing practical solutions that are consistent with the available systems and opportunities.

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**Couse ID:** 2203021450      **Description:** Teaching Models and Strategies

**Full Course Description:** This course introduces teaching strategies according to learning models and approaches (behavioristic, cognitive, information processing, exploratory, systemic, meaningful learning, constructivist, inquiry, problem solving, social learning, humanist), in both theoretical and practical phases

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**Couse ID:** 2203021482      **Description:** Student Learning Assessment

**Full Course Description:** It deals with the theoretical framework of the process of evaluating student learning (its concept, characteristics, fields, types, methods of application, objectives, evaluation based on learning outcomes, and classification of educational objectives). It focuses on the competencies necessary to practice realistic assessment in the early grades within the light of the recent trends in various aspects of learning: cognitive, skill, and emotional, applying them to students, extracting their data, interpreting their results, and investing them in improving the teaching and learning processes, with the use of technology

## Courses Description

**College:** Educational Science

**Department:** Curricula & Instruction

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**Couse ID:** 2203021485      **Description:** Action Research

**Full Course Description:** The course aims to provide learners with the basic concepts related to educational research, and to identify its elements and steps, by addressing a specific field research problem related to students' learning in the early grades, its application, formulating questions and/or hypotheses that define them, identifying its individuals or community and sample, and collecting data using appropriate tools, monitoring and interpretation of results, writing recommendations and suggestions, and at the end of the semester, learners present their findings to be discussed with faculty members in the department.

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**Couse ID:** 2203021488      **Description:** Educational statistics

**Full Course Description:** This course deals with the uses of statistics for the student and researcher in the field of specialization, classifying the forms of graphic representation of statistical data, identifying measures of central tendency and dispersion and their uses, knowing the difference between the types of variables and measures, the conditions for building the statistical hypothesis, and the different types of samples, with an explanation of the correlation coefficient between the variables. Computer programs used in statistics, and their educational applications.

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**Couse ID:** 2203021496      **Description:** Practicum (1)

**Full Course Description:** Practicum (1) aims to prepare students to start practicing the profession of teaching by getting acquainted with the reality of the educational process and the resources available in schools that are visited for one day per week throughout a semester (16 weeks), during which they analyze the reality of the school and review the health facilities and services and guidance, interviews with its employees, observations of the teaching process, participation in the partial implementation of some classroom lessons, and writing reports to be discussed in theoretical lectures that take place inside the university, which take place for two theoretical hours.

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**Couse ID:** 2203021497      **Description:** Practicum (2)

**Full Course Description:** Practicum (2) provides students with the opportunity to apply the knowledge, skills, and values they have acquired throughout their years of study, to enhance professional practice and teaching competencies as resident teachers in partner schools over an entire semester (16 weeks).