هيئة اعتماد مؤسسات التعليم العالي وضمان جودتها

Accreditation and Quality Assurance Commission for Higher Education Institutions

المركز الوطني للاختبارات

كفايات برنامج وتخصصات العوم الزراعية

1 - تخصص أراضي ومياه وبيئة
Principles of Soil
Soil Microbiology
Soil Chemistry and Fertility
Hydrology and Water Resources
Principles of Irrigation
Soil Genesis and Soil Conservation
Soil Physics
Geographic Information Systems(GIS)

2 - تخصص الإنتاج النباتي

Understand the basics of plant science including plant structure, classification, growth and development and genetics.
Acquire knowledge of principles of plant physiological processes related to crop production such as photosynthesis, respiration, transpiration, plant nutrition.
Understand and identify the requirements for crop production including management, cultural practices, and sexual and asexual reproduction of plants.
Identify the principles and methods of growing field crops , including types and characteristic, planting, proper cultural practicies crop rotation , specific crop requirements , and management.
Identify the principles and methods of growing vegetables, to obtain maximum yield and high quality including planting, proper cultural practicies, specific crop requirements , and management.
Identify the principles and methods of growing, ornamental plants including types and characteristic, planting, proper cultural practicies specific crop requirements , and management.
Identify the principles and methods of growing fruit trees to obtain maximum yield and high quality including proper cultural practicies , specific crop requirements , and management.

3 - تخصص علم وتكنولوجيا الغذاء
(knowledge of essential facts, concept and activities to food science and technology)
(Understanding of facts, concept, principles and activities relate to food science4 and technology)
(Understand and apply procedures and practices to ensure ethical responsibility in accomplishing agricultural operation)
(knowledge of principles of planning, problem solving, decision making characteristics in food science and technology)
(acquiring communication skills and leadership characteristics in food science and technology)
(knowledge of application procedures and practices to ensure the safe food science and technology activities)
(knowledge of application of scientific methods in food science and technology activities)

4 - تخصص تغذية الإنسان والحميات

Knowledge and Understanding
Cognitive/Intellectual Analysis Practical Skills

5 - تخصص الإقتصاد الزراعي

Understand the main concepts of agricultural economics & agribusiness

Identify the agricultural and natural resource-based firm production management & Economic decision-making

Understand the enterprise management, production analysis, benefit cost analysis, production and cost functions

Analyze the macroeconomics and international trade

Students should apply the analytical tools relevant to economic analysis (quantitative analysis)

Recognize and understand the basic statistics, basic regression analysis and operation research

Identify the market analysis (demand, supply, price and consumer behavior), agricultural markets, inputs and products

Acquire knowledge of the agricultural extension, rural development and community development

Understand the economic and business planning (Time value of money, Basic understanding of accounting and finance tools and Feasibility studies and Project Appraisal)

6 - تخصص تنسيق المواقع وإنتاج الأزهار

Combine the design and sale functions under the umbrella heading of "Designer / Salesperson; understands the requirements of landscape design; and be aware of the vast territory covered by the term landscape design.

Identify more than 400 herbaceous ornamental plant, vine, ground cover, hedge, grass, shrub, small tree, woody ornamental plant, and fruit tree. Maintenance techniques for such plants thriving in Jordan and elsewhere landscape is included. Also, plant growth habit, rate, morphology, cultural practices, landscape value, and environmental requirements

Know the cultural practices including irrigation, fertilization, mowing, pest management, and plant propagation.

Understand the principles of plant structure and plant physiological processes related to crop production including photosynthesis, respiration, transpiration and plant nutrients.

7 - تخصص الإنتاج الحيواني

Knowledge of basic animal science (production) principles concepts, as well as basic feed and feeding understanding.

Evaluates basic understanding of reproductive organs anatomy and the endocrinology of reproduction

Evaluate the following understanding in the poultry field

evaluate knowledge of sheep production operations. Questions also test the basics of the sheep operation form pregnancy to lambing and feeding ewes and lambs etc

evaluates basic knowledge of genetic parameters of animals and their understanding to qualitative characteristics and quantitative traits in domestic farm animal and their practical application. Also, practical use of genetic variation within and between populations, including selection is expected to be known by animal production graduates.

Testing general management practices of milk production, as well as basic knowledge of dairy cattle science.

8 - تخصص وقاية النبات
Knowledge of the basic concepts related to plant protection, which includes: fungi, bacteria, viruses, nematodes, weeds, insects and mites.
Ability to define the various agricultural pests and their negative effects
Recognize different control methods in a manner safe to the environment.
Distinguish between harmful and beneficial insects, mites, fungi, weeds, bacteria, viruses and nematodes.
Determining the level of infection through the application of knowledge gained in the areas of plant protection sciences.