Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

2024

Academic Program Description Form

University Name: Al-Furat Al-Awsat Technical University

Faculty/Institute: Musaib Technical College

Scientific Department: Plant production techniques

Academic or Professional Program Name: Bachelor of Plant Production techniques

Final Certificate Name: Bachelor of Plant Production techniques

Academic System: course

Description Preparation Date:15/3/2024

File Completion Date: 20/3/2024

Signature:

Head of Department Name:

Dr. Abdullah Fadel Sarhid

Date:

Signature:

Scientific Associate Name:

Date:

أ. د نبيل حميد عبد المجيد
معاون العميد للشؤون العلمية
و الدراسات العليا

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the Dean

1. **Program Vision**
Establishing the Department of Plant Production Technologies to serve as an influential scientific, cultural and intellectual center that nourishes the Iraqi society in particular and the Arab society in general with efficient technical outputs that meet their needs in quantity and quality, equipped with high-quality education requirements, and possesses model laboratories for training students, an Internet network, smart boards, and specialized technical staff with Higher degrees that possess scientific skills in the field of agricultural specializations and adopt the open and distance education system.

2. **Program Mission**
Preparing agricultural technical cadres responsible for developing agriculture, equipped with practical and technical skills that qualify them to implement agricultural plans and programs, and with the ability to continuously innovate through the use of modern technologies to ensure continued success and development.

3. Program Objectives

Preparing qualified technical personnel in the field of plant life technologies in the fields of plant improvement and propagation, field and horticultural crop production, and plant protection from pests and diseases. The department aims to graduate a cadre capable of working on the basic topics in plant biotechnology, as follows:

1- Genetic engineering programs to improve plant production.

2- Field and horticultural crop production projects.

3- Beekeeping projects.

4- Management of agricultural fields and projects.

5- Working in grain grading laboratories.

6- Using tunnels and greenhouses in producing vegetable crops.

7- Working in nurseries and propagating ornamental plants.

4. Program Accreditation

5. Other external influences

Is there a sponsor for the program?

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	8	15	11%	**basic**
College Requirements	2	2		**bacic**
Department Requirements	10	19	17.2%	**bacic**
Summer Training	**2nd and 3 stages**			**bacic**
Other				

* This can include notes whether the course is basic or optional.

7.Program description

Year/level	Course or course code	Name of the course or course	Credit hours	
first /2024-2023			theoretical	practical
		General plant	2	2
		Horticuture	1	3
		General insects	2	3
		general chemistry	2	3
		Computer	1	3
		Engineering Drawing	-	3
		agricultural economy	2	-
second/2025-2024		Summer crops	2	3
		Nurseries and propagation	1	3
		Fallen fruit	1	2
		Summer vegetables	2	3
		Fertility and fertilization	2	2
		Systematic training	-	-

		Agricultural machinery	1	3
		Computer applications 2	1	2
		democracy	2	-
third/2026-2025		Decorations and garden engineering	2	3
		Fodder crops and pastures	1	3
		Reaping and harvesting equipment	2	3
		Beneficial insects	2	3
		Systematic training	-	-
		Increase palm trees	2	2
		Irrigation and salinity	2	2
		Computer applications	1	2
fourth/2027-2026		Plant breeding and improvement(2)	2	2
		Medicinal plants	2	2
		Store and destroy seeds	2	3
		Quality of crops	2	2
		Industrial crops	1	3
		Jungles and combating them	2	2
		Seminars	--	3
		Computer applications	1	--

8. learning outcomes of the program

Knowledge	
Preparing technical cadres in plant production in all its branches at the technical bachelor's degree level Crop production - 1 . Vegetable production -2 .Fruit production -3 .Production of ornamental plants -4 .Production of medicinal plants - 5	
Skills	
Keeping pace with developments with modern studies and sources	
Value	

Ability to absorb and understand the material and apply it in the field	

9.Teaching and Learning Strategies

Explaining the scientific material in detail

- Students' participation in the lecture
- Discussion and dialogue about the lecture.

10.Evaluation methods

Written tests, oral tests, pre- and post-tests, semester exams, final exams, daily calendar, laboratory practical tests, quarterly exams

11. Faculty

Faculty members

Scientific rank	Specialization		Special requirements/skills (if any)		Preparing the teaching staff	
	general	private			**Staff**	lecturer
Professor	Agricultural sciences	gardening			**Staff**	
Professor	Agricultural sciences	Field crops			**Staff**	
Professor	Plant production techniques	Propagation and improvement of plants			**Staff**	
Assistant Professor	Plant production techniques	Propagation and improvement of plants			**Staff**	
Assistant Professor	Plant production techniques	Propagation and improvement of plants			**Staff**	
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Assistant Professor	Agricultural sciences	gardening			**Staff**	
Assistant Professor	Plant production techniques	Propagation and improvement of plants			**Staff**	
lecturer	Plant production techniques	Propagation and improvement of plants			**Staff**	
lecturer	Plant production techniques	Propagation and improvement of plants			**Staff**	
lecturer	Plant production techniques	Propagation and improvement of plants			**Staff**	
assistant lecturer	Sciences	chemistry			**Staff**	
assistant lecturer	Sciences	physics			**Staff**	
assistant lecturer	Agricultural sciences	Agricultural mechanization			**Staff**	

Professional Development
Mentoring new faculty members
Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.
Professional development of faculty members
Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

12. Acceptance Criterion
Acceptance of the scientific branch for those with averages of 60% or more Acceptance of graduates of the professional branch: 10%

13. The most important sources of information about the program
Refrences for the Plant Production Techniques Department

14. Program Development Plan
- Providing academic support capabilities . - Providing the appropriate environment for teaching . - Providing IT and offices within the college

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2024–2023/1		Horticulture	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2025–2024/2		Summer crops	Basic		✓			✓		✓		✓			✓
						✓									
2026–2025/3		Orementialand garden engineering	Basic		✓	✓			✓	✓		✓	✓		
												✓			
2027–2026/4		Plant breeding and improvement	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
														✓	✓

- **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**