



## Academic Program Description Form

**University Name:** Tikrit University

**Faculty/Institute:** College of Agriculture

**Scientific Department:** Field Crops Department

**Academic or Professional Program Name:** Bachelor of Agricultural Sciences/Field Crops

**Final Certificate Name:** Bachelor of Agricultural Sciences/Field Crops

**Academic System:** Season

**Description Preparation Date:** 14/9/2025

**File Completion Date:** 14/9/2025

**Signature:**

**Head of Department Name:**

**Ass. Professor Dr. Salah Hameed Jumaa**

**Date:** 14-9-2025

**Signature:**

**Scientific Associate Name:**

**Professor Dr. Mohammed Saleh Mohammed**

**Date:** 14-9-2025

**The file is checked by:**

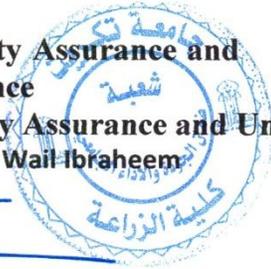
**Department of Quality Assurance and  
University Performance**

**Director of the Quality Assurance and University Performance Department:**

**Professor Dr. Maysaloon Wail-Ibraheem**

**Date:** 14.9.2025

**Signature:**



**Approval of the Dean**

**Dr. Sami Khader Saeed**

**14/9/2025**

## 1. Program Vision

The Field Crops Department aspires to be a distinguished and leading academic and research center at both the national and regional levels in the fields of field crop production and improvement. This will be achieved through the adoption of high-quality education, the development of applied scientific research that contributes to food security and sustainable agricultural development, and the application of modern technologies. These technologies include the introduction of smart agriculture programs, genetic engineering techniques, and biotechnology, all of which will be compatible with climate change and the job market for the department's graduates.

## 2. Program Mission

The Field Crops Department is dedicated to preparing and qualifying scientific and professional agricultural personnel with competence and experience in field crop production, genetic improvement, agricultural management, and modern biotechnology. This is achieved through:

- 1- Offering advanced academic programs that keep pace with scientific developments in field crop science, adhering to quality standards and academic accreditation.
- 2- Conducting specialized applied research that contributes to increasing productivity and improving the quality of strategic field crops, thereby addressing contemporary agricultural challenges and supporting sustainable development plans.
- 3- Supporting agricultural development in Iraq by providing farmers and agricultural institutions with consultations and modern agricultural technologies.
- 4- Contributing to raising awareness of environmental agriculture, implementing sustainable farming methods, and reducing waste in natural resources through partnerships with state institutions and the private sector.

## 3. Program Objectives

- Graduating agricultural engineers specialized in the field of field crops who possess theoretical knowledge and applied skills suitable for the labor market and the advancement of the agricultural sector.

Improving the production of field crops in quantity and quality by adopting breeding and genetic improvement programs, and using modern technologies in agricultural production management.

Employing scientific research plans and improving it to contribute to the development of the agricultural sector and solving its problems in a way that ensures the preservation of the environment, through applied scientific research projects to address agricultural problems related to crop production, especially in light of climate challenges and scarcity of water resources.

Keeping pace with progress and scientific development in scientific knowledge and transferring and applying modern agricultural techniques such as precision agriculture, supplementary irrigation, and the use of bio fertilizers, to reduce dependence on traditional

inputs and achieve sustainable production by introducing them into academic curricula and employing their applications in developing the capabilities of the agricultural community.

Developing curricula, academic programs and field training in accordance with modern scientific and technical developments and meeting the requirements of the labor market and the needs of society and productive sectors, and in partnership with agricultural research and production institutions..

#### 4. Program Accreditation

nothing

#### 5. Other external influences

nothing

#### 6 Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	<b>9</b>	<b>9</b>	<b>15.25 %</b>	
College Requirements	<b>13</b>	<b>31</b>	<b>22.03 %</b>	
	<b>37</b>	<b>107</b>	<b>622.71 %</b>	

Department Requirements				
Summer Training				
Other				

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

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	Practical
3	FC 1301	Genetics		
	FC 1302	Field Crop Mechanization		
	FC 1303	Field Crop Insects		
	FC 1304	Land Reclamation		
	FC 1305	Forage Crops		
	FC 1306	Design and Analysis of Experiments		
	FC 1307	Field Crop Diseases		
	U011038	Specialized English 3		
	FC 2301	Fiber Crops		
	FC 2302	Cereal Crops		
	FC 2303	Legumes Crops		
	FC 2304	Beekeeping		
	FC 2305	Seed Technology		
	U021037	Computer Applications 3		
4	FC 1401	Plant Medicine		
	FC 1402	Plant Physiology		
	FC 1403	Weed Biology		
	FC 1404	Field Crop Management		
	FC 1405	Land Cultivation		
	FC 1406	Molecular Genetics		
	FC 1407	Seminars		
	FC 2401	Plant Breeding		
	FC 2402	Growth Regulators		
	FC 2403	Weed Control		
	FC 2404	Range Management		
	FC 2405	Environmental Stress		
	FC 2406	Graduation Research Project		

## 8. Expected learning outcomes of the program

### A. Knowledge

1. A thorough understanding of the scientific fundamentals related to field crops.

2. Familiarity with scientific theories in field crops and related sciences.
3. Understanding the methodologies and ethics of scientific research and its various tools.
4. Familiarity with the necessary requirements for cultivating and producing field crops.

**B. Skills**

1. The student applies learned skills in developing the field of field crops.
2. The student operates modern equipment and tools used in the field of field crops.
3. The student demonstrates the ability to evaluate and assess field crop projects.
4. The student applies quality standards and health and environmental requirements in field crop management..

**C.Ethics**

- 1 Thinking skills are developed according to the student's ability. The goal of these skills is for the student to believe in concrete things, understand when, what, and how to think, and work on improving their thinking and problem-solving abilities.
2. Observation and perception.
3. Analysis, interpretation, and persuasion.
4. Preparation and evaluation..

**9. Teaching and Learning Strategies**

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**10.Evaluation methods**

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**11. Faculty**

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### Names of Field Crops Department Lecturers 2025-2026

No	Full name	Academic qualification	Academic title	General	Specialization	Email
1	Aqeel Najm Aboud	Professor	PhD	Field Crops	Medicinal and Aromatic Plants	akeei.Nagime@tu.edu.iq
2	Mohammed Ramadan Ahmed	Professor	PhD	Field Crops	Weed Control	mmaar79@tu.edu.iq
3	Dawood Salman Madb	Assistant Professor	PhD	Field Crops	Plant Breeding	dawoodobaidy@tu.edu.iq
4	Hussein Ali Hindi	Assistant Professor	PhD	Field Crops	Plant Breeding	<a href="mailto:husseinali@tu.edu.iq">husseinali@tu.edu.iq</a>
5	Atheer Saber Mustafa	Assistant Professor	PhD	Field Crops	Crop Production	atheragriculture@tu.edu.iq
6	Salah Hameed Jumaa	Assistant Professor	PhD	Field Crops	Crop Plant Ecology	<a href="mailto:shj75@tu.edu.iq">shj75@tu.edu.iq</a>
7	Inas Ismail Mohammed	Assistant Professor	PhD	Field Crops	Cereal Crop Production	enas_email@tu.edu.iq
8	Hussam Mamdouh Hameed	Assistant Professor	PhD	Field Crops	Crop Production	hossam1979@tu.edu.iq
9	Firas Ahmed Daraj	Assistant Professor	PhD	Field Crops	Plant Physiology	firasahmed@tu.edu.iq
10	Mudher Ismail Huwaidi	Assistant Professor	PhD	Field Crops	Seed Technology	mudhir.hwaid@tu.edu.iq
11	Omar Nazhan Ali	Assistant Professor	PhD	Field Crops	Cereal Crop Production	omarnali84@tu.edu.iq
12	Abdullah Hassan Mohammed	Assistant Professor	PhD	Field Crops	Plant Tissue Culture	<a href="mailto:abdullah@tu.edu.iq">abdullah@tu.edu.iq</a>
13	Luther Khalid Ahmed	Assistant Professor	PhD	Field Crops	Plant Physiology	Lothar.khalid@tu.edu.iq
14	Wissam Hamad Hussein	Assistant Professor	M.Sc	Field Crops	Crop Production	wesam_hamad@tu.edu.iq
15	Yousif Abdul Hameed Majeed	Lecturer	PhD	Field Crops	Plant Breeding	yousiffildcrop@tu.edu.iq
16	Luay Nahar Mohammed	Lecturer	PhD	Field Crops	Genetic Engineering	luai.muhammad@tu.edu.iq
17	Noor Ali Hameed	Lecturer	PhD	Field Crops	Weed Control	<a href="mailto:noor.ali@tu.edu.iq">noor.ali@tu.edu.iq</a>
18	Qatada Ibrahim Abdullah	Lecturer	PhD	Field Crops	Forage and Pasture Crops	qatadaibrahim@tu.edu.iq
19	Hiba Jumaa Mahmoud	Lecturer	PhD	Field Crops	Weed Control	<a href="mailto:Hiba2020@tu.edu.iq">Hiba2020@tu.edu.iq</a>
20	Ahmed Mohammed Zaki Ibrahim	Lecturer	PhD	Field Crops	Field Crops	Ahmedzika@tu.edu.iq
21	Abdul Qader Hameedi Jasim	Lecturer	PhD	Field Crops	Field Crops	abd.hum.jassim@tu.edu.iq
22	Afrah Abdul Kareem Hassan	Lecturer	PhD	Field Crops	Field Crops	afrah.a.alkarim@tu.edu.iq
23	Ayman Ayoub Yas	Lecturer	M.Sc	Field Crops	Fiber Crops	Aymenyas75@tu.edu.iq

24	Ammar Wabdan Maseer	Lecturer	M.Sc	Field Crops	Crop Breeding	ammar.wabdan@tu.edu.iq
25	Mohammed Jawad Kareem	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	mohameed_jawad@tu.edu.iq
26	Manal Ali Marai	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	<a href="mailto:Manal_ali@tu.edu.iq">Manal_ali@tu.edu.iq</a>
27	Amer Hassan Hussein	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	ah231095pag@st.tu.edu.iq
28	abdullah Amer Saleh	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	abdullahamer@tu.edu.iq
29	Khansaa Mohsen Zaban	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	khansa.zein@tu.edu.iq
30	Ahmed Majeed Haroush	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	ahmed.m.harosh@st.tu.edu.iq
31	Majid Jalil Rasheed	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	majid.r.madghash@tu.edu.iq
32	Majid Rasheed Madghash	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	majid.rashid@tu.edu.iq
33	Myaad Turki Nada	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	myad.turki@tu.edu.iq
34	Nada Muad Abdullah	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	nada.m.abdullah@tu.edu.iq
35	Basim Fahad Abdullah	Assistant Lecturer	M.Sc	Field Crops	Fiber Crops	Basim.f.abd@st.tu.edu.iq

### 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

(Setting regulations related to enrollment in the college or institute, whether central admission or others)

central

### 13. The most important sources of information about the program

State briefly the sources of information about the program.

1. The college and university website
2. University guide
3. Central Library
4. The most important books and sources for the department
5. Textbooks
6. Internet

#### 14. Program Development Plan

1. Periodic review of curricula and educational production units to identify strengths and weaknesses and address scientific gaps.
2. Ongoing assessment of labor market needs in the field crops sector to align graduates' skills with actual requirements.
3. Development of a performance measurement system that includes field tests and practical skills assessments alongside traditional theoretical program assessments.
4. Integration of artificial intelligence and environmental sustainability into core courses to keep pace with global developments in field crops..



4	FC 1401	Plant Medicine	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 1402	Plant Physiology	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 1403	Weed Biology	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 1404	Field Crop Management	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 1405	Land Cultivation	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 1406	Molecular Genetics	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 1407	Seminars	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 2401	Plant Breeding	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 2402	Growth Regulators	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 2403	Weed Control	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 2404	Range Management	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 2405	Environmental Stress	Basic	*	*	*	*	*	*	*	*	*	*	*	*
	FC 2406	Graduation Research Project	Basic	*	*	*	*	*	*	*	*	*	*	*	*

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

