Academic Program Description Form for Field Crops Department

University Name: University of Mosul

Faculty/Institute: College of Agriculture and Forestry

Scientific Department: Department of Field Crops

Academic or Professional Program Name: B.Sc.

Final Certificate Name: Field Crop Science B.Sc.

Academic System: Semester

Description Preparation Date: 7 / 2 / 2024

File Completion Date: 7 / 2 / 2024

Signature:

Head of Department Name:
Assoc. Prof. Dr. Maysar Mohamed Aziz
Date :

Signature: A.M.

Scientific Associate Name:
Prof. Dr. Ali Farouq Al-Ma'athedi
Date: 1 / 4 / 2024

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Oday Abdulhadi Adday

Date: 31/3/2024

Signature:

Approval of the Dean

Prof. Dr. Mohamed Younis Al Allaf

1. Program Vision

The Department of Field Crops aspires that its scientific content serves to solve the problems of the agricultural sector and society, thus being at the forefront of agricultural departments in Iraqi and regional universities.

2. Program Mission

Full scientific knowledge of field crop science in teaching, research, application and training to provide scientific expertise as one of the most important scientific and academic departments of agriculture in Iraq

3. Program Objectives

1. Preparing human competencies and working to qualify them in all fields of field crop production and breeding sciences by providing effective undergraduate and postgraduate programs to contribute to sustainable development.
2. Conducting scientific research and applied studies, the aim of which is to solve agricultural problems to raise the efficiency of agricultural production and develop natural resources to ensure the preservation of the environment and enrich scientific knowledge.
3. Contribute to finding effective scientific and applied solutions in crop service operations, agricultural rotation, and cultivation of new lands and work on the development and production of new varieties distinct.
4. Enhancing the scientific reference role of the department in line with local and global developments and changes.
5. Serving the community through holding workshops, training courses, scientific seminars, conferences, holding a field day, and providing advisory services to the public, private and charitable sectors.

4 - Programmatic Accreditation
Will

5 - Other external influences
1- Family problems facing students negatively affect students 'performance in the academic program. 2- Extra -curricular activities help students achieve greater in the implementation of the academic program . 3- The economic situation of students and their association with money-saving work negatively affects their academic performance. 4- The learning efficiency of the student from his preparatory studies is one of the most important indicators of excellence in the performance of the academic program.

6 - Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	11	20	11.79 %	
College Requirements	12	37.5	22.12 %	
Department Requirements	33	112	66.06 %	
Summer Training	1			
Other				

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

7 - Program Description

Year/Level	Course Code	Course Name	Credit Hours		Number of Units	Course Type
			theoretical	practical		
2023 - 2024 First Class	ORCH105	Organic Chemistry	2	3	3.5	College Requirement
	GEBO119	General Botany	2	3	3.5	Department Requirement
	SURV120	Surveying	1	3	2.5	Department Requirement

First semester (Fall)	ENGL101	English Language 1	2	-	2	University Requirement
	DEHR100	Democracy and Human Rights	2	-	2	University Requirement
	ENGD118	Engineering Drawing	-	3	1.5	Department Requirement
	ARAL102	Arabic Language 1	2	-	2	University Requirement
2023 - 2024 First Class Second semester (Spring)	PRFC112	Principles of Field Crops	2	3	3.5	College Requirement
	PRSS113	Principles of Soil Science	2	3	3.5	College Requirement
	PRAP114	Principles of Animal Production	2	3	3.5	College Requirement
	BICH204	Biochemistry	2	3	3.5	College Requirement
	PAEC115	Principles of Agricultural Economy	2	-	2	College Requirement
	COMA103	Computer Application 1	2	-	2	University Requirement
	MATH104	Mathmatics	2	-	2	College Requirement
2023 - 2024 Second Class First semester (Fall)	PRHS116	Principles of Horticultural Science	2	3	3.5	College Requirement
	AGME207	Agricultural machines and Equipments	2	3	3.5	Department Requirement
	PAEX206	Principles of agricultural extension	2	-	2	College Requirement
	PRFI111	Principles of Food Industry	2	3	3.5	College Requirement
	SOFF415	Soil Fertility and Fertilizers	2	3	3.5	Department Requirement
	PLTA218	Plant Taxonomy	2	3	3.5	Department Requirement
	COMA203	Computer Application 2	2	-	2	University Requirement
	ENGL201	English Language 2	2	-	2	University Requirement
	CBAP200	Crimes of the defunct Baath Party	2	-	2	University Requirement
2023 - 2024 Second Class Second semester (Spring)	FAMA410	Farms Management	2	3	3.5	Department Requirement
	OISC237	Oil and Sugar Crops	2	3	3.5	Department Requirement
	STAT109	Statistical	2	3	3.5	College Requirement
	PLEN209	Plant Environment	2	3	3.5	Department Requirement
	PRMB205	Principles of Microbiology	2	3	3.5	College Requirement
	IRDR308	Irrigation and Drainage	2	3	3.5	Department Requirement
	ARAL102	Arabic Language 2	2	-	2	University Requirement
2023 - 2024 Third Class First semester (Fall)	GENT212	Genetics	2	3	3.5	Department Requirement
	DAAE302	Design and analysis of agricultural experiments	2	3	3.5	Department Requirement
	MEFC358	Mechanization of Field Crops	2	3	3.5	Department Requirement
	FICI424	Field Crops Insects	2	3	3.5	Department Requirement
	LARE457	Lands Reclamation	2	3	3.5	Department Requirement
	FOCR359	Forage Crops	2	3	3.5	Department Requirement
	FICR360	Fiber Crops	2	3	3.5	Department Requirement
	CECR361	Cereal Crops	2	3	3.5	Department Requirement

2023 - 2024 Third Class Second semester (Spring)	LECR362	Pulses Crops	2	3	3.5	Department Requirement
	FICD363	Field Crops Diseases	2	3	3.5	Department Requirement
	APIC312	Apiculture	2	3	3.5	Department Requirement
	SETE364	Seed technology	2	3	3.5	Department Requirement
2023 - 2024 Fourth Class First semester (Fall)	DRPL458	Drug Plants	2	3	3.5	Department Requirement
	PLPH210	Plant Physiology	2	3	3.5	Department Requirement
	BIWE459	Biology of Weeds	2	3	3.5	Department Requirement
	FICM460	Field Crops Management	2	3	3.5	Department Requirement
	LACU461	Land Cultivation	2	3	3.5	Department Requirement
	MOGE462	Molecular Genetics	3	-	3	Department Requirement
	REPR402	Research Project 1	-	3	1.5	University Requirement
2023 - 2024 Fourth Class Second semester (Spring)	PLBR314	Plant Breeding	2	3	3.5	Department Requirement
	PLGR307	Plant Growth Regulators	2	3	3.5	Department Requirement
	WECO463	Weed Control	2	3	3.5	Department Requirement
	PAMA433	Pasture Management	2	3	3.5	Department Requirement
	ECST464	Environmental Stress	2	3	3.5	Department Requirement
	SEMN404	Seminar	1	-	1	University Requirement
	REPR403	Research Project 2	-	3	1.5	University Requirement

8 – Expected learning output of the program

Knowledge

A1	The student should be able to show proper knowledge and understanding of the Arabic language, teaching and developing it and generalizing its use as a scientific and educational language in various scientific and cognitive fields.
A2	The student should be able to clarify the foundations of the university's culture and its core values of accountability transparency, justice, equality, cooperation, belonging and citizenship.
A3	The student should be able to explain the principles of human rights and democracy and their role in achieving effective partnership with all segments of society
A4	The student should be able to demonstrate sound knowledge and understanding of the English language, teaching disseminating, developing and using it for scientific and educational purposes in various scientific and cognitive fields
A5	The student should be able to explain biodiversity and its importance and how to preserve natural resources in the environment
A6	The student should be able to identify the basics of basic and applied sciences and modern technologies related to agriculture and food and the principles of planning and implementing agricultural operations
Ah!	The student should be able to explain the basics of applied sciences related to agricultural sciences, food, natural resources, environment and biological systems
A9	The student should be able to demonstrate the basics of agricultural engineering and the principles of planning and implementing the agricultural process
A10	The student should be able to be familiar with the division of pathogens (fungi, bacteria, viruses and nematodes) and agricultural pests (insects and animals) and the damage caused by them in affecting plants and their productivity during the stages of production, transportation and storage

A11	The student should be able to explain the basics of integrated management of various pests and pathogens and the most important modern methods used for control
A15	The student should be able to demonstrate the principles of planning and implementing agricultural operations and knowing what the market needs through the analysis of supply and demand prices
A16	The student should be able to clarify the stages and basic elements of planning and implementing agricultural and cultural operations and activities in agricultural communities
A18	The student should be able to compare what the market needs through the analysis of supply and demand prices
A19	The student should be able to show the relationship of macroeconomics, microeconomics and statistics with agricultural production
A20	The student should be able to explain the principles of basic and applied sciences and modern technologies related to agriculture, land, water and environmental sciences
A21	The student should be able to describe practical developments in the field of land sciences and related sciences
A22	The student should be able to explain environmental issues and problems related to the land, water and environment sector
A23	The student should be able to classify the types of agricultural equipment and devices, their areas of use, mechanical systems and water pumps used in agricultural production.
A24	The student should be able to demonstrate the principles of planning and implementing agricultural operations and appropriate scientific methods in soil and water treatment according to quality and food safety standards
A25	The student should be able to show the basics of designing irrigation systems and post-harvest transactions according to the concepts and elements of quality and safety management in the field of agriculture and food such as drying, pasteurization, storage and processing.
A26	The student should be able to enumerate the chemical groups of pesticides, taking into account local and international legislation and controls learned safety standards for their use and their impact on the quality and safety of agricultural and food products
A31	The student should be able to describe food metabolism and nutrient use
A32	The student should be able to explain the role of different living organisms in food production, how to control and control their growth, the impact of environmental factors, and the health aspects of food establishments.
A33	The student should be able to define the principles of planning and implementation of grazing and industrial operations to produce safe and high quality food.
A36	The student should be able to explain how to recycle food industry waste
A38	The student should be able to clarify the stages and basic elements of planning and implementing agricultural and cultural operations and activities in agricultural communities
A40	The student should be able to demonstrate the principles and theories of basic sciences related to agriculture, food and rural development.
A41	The student should be able to explain the structure of living organisms in terms of cell, plant tissues, organs and their functions, and explain the divisional and structural characteristics of field crops
A42	The student should be able to identify crop protection and integrated pest management that affect field crops and pastures
A43	The student should be able to demonstrate soil and water management methods and agricultural practices appropriate to field crops and pastures that preserve them and prevent their degradation
A44	The student should be able to explain the methods and objectives of field crop breeding, management and preservation of genetic assets, and explain the biological techniques used in crop improvement.
A45	The student should be able to determine the environmental requirements and agricultural processes necessary for the growth and production of crops and their relationship to the physiology of growth to crop management for their entry as raw materials in industry
A46	The student should be able to learn about basic and applied sciences related to agriculture and food and learn about field crop production systems and pasture management, especially under drought and rain-fed conditions.
A48	The student should be able to explain health care methods and the impact of the interaction between animals and the environment and demonstrate proficiency in laboratory skills, taking into account quality and safety standards in the field of agriculture and food
A49	The student should be able to clarify the principles of planning and implementing agricultural operations, in order to serve livestock in the productive and economic aspects of different agricultural communities and their relationship to sustainable development.
A51	The student should be able to explain the basics of honey beekeeping, honey bee products, silkworms and silkworms

A52	The student should be able to learn about the principles of basic and applied sciences, modern technologies related to agriculture, and the principles of horticulture and food.
A54	The student should be able to clarify the principles and scientific methods in the use of modern techniques in the quantitative and qualitative improvement of horticultural products and their various techniques, and the exploitation of all available plant resources
A55	The student should be able to classify horticultural crops according to their plant and horticultural characteristics and uses.
A60	Be able to explain environmental concepts and principles including the structure and function of ecosystems, plan and animal communities, competition, diversity, population dynamics, succession, disturbances, and nutrient cycle
A61	The student should be able to interpret the components, patterns and processes of biological and ecological systems across spatial and temporal scales
Skills	
B1	The student should be able to practice various thinking skills systematically and positively in diagnosing the problems and issues he faces during work and proposes appropriate solutions to them
B2	The student should be able to express his ideas clearly and objectively, and dialogue positively with his colleagues superiors and subordinates at work
B3	The student should be able to discuss and evaluate studies and research related to community issues in a systematic and objective manner
B4	The student should be able to propose commercial production plans for plant, animal and food crops in accordance with market systems by assessing the economic situation of the market and knowing its needs
B5	The student should be able to propose solutions to problems related to systems, processes and machines that interfere with humans, plants, animals, microorganisms and biological materials.
B6	The student should be able to distinguish the structure of living organisms in terms of cell, tissues, organs, their functions and the interactions that occur in them
B8	The student should be able to assess the economic situation of the market by solving agricultural problems and knowing his needs
B9	The student should be able to propose ways to analyze data and information and interpret agricultural phenomena using applied programs to solve agricultural problems
B10	The student should be able to predict the status of plant pests and diseases, specifying the methods of monitoring and investigating the field census and the percentage and severity of the infestation.
B11	The student should be able to extract the factors explaining the phenomena related to agricultural production
B12	The student should be able to carry out a market feasibility study for agricultural commodities through financing credit and marketing
B13	The student should be able to analyze with a scientific methodology data and information related to agricultural problems to find the most appropriate solutions
B14	The student should be able to plan to manage agricultural projects free of diseases and pests in accordance with quality and safety standards
B15	The student should be able to evaluate the management of agricultural projects according to quality and safety standards and free from diseases and pests
B16	The student should be able to choose logical solutions to the problems of engineering systems, set brief and clear goals, propose practical and reasonable solutions, and analyze alternative solutions.
B17	The student should be able to design the necessary control programs to prevent pest and pathogen infestation and limit their spread in a way that maximizes agricultural productivity and the production of safe food
B18	The student should be able to analyze data and information related to agricultural problems in the land, water and environment sector to find the most appropriate solutions for him
B19	The student should be able to design appropriate production plans and irrigation projects to achieve food and water security and serve the goals of sustainable development
B20	The student should be able to analyze the factors that have a mutual impact between water scarcity, desertification and climate change
B22	The student should be able to propose appropriate solutions to specialized problems in the fields of soil, water and environmental sciences
B23	The student should be able to show easy guidance and education methods to change behavior and increase awareness of different individuals and groups
B24	The student should be able to analyze evaluation data and information and not use it in decision-making for the continuation of the quality of improvement and the work of the appropriate intervention

B29	The student should be able to analyze data and information related to agricultural, food and nutritional problems to find the most appropriate solutions
B31	The student should be able to propose plans for field crop cultivation and pasture development according to environmental conditions and soil and water quality.
B32	The student should be able to create experimental designs and collect and analyze data under field, field and laboratory conditions
B33	The student should be able to propose a research plan in the field of field crops with excellence in writing reports with high efficiency to the ability to obtain logical conclusions
B34	The student should be able to analyze data and information according to the scientific method related to agricultural problems, nutrition, animal and fish production to find the most appropriate solutions
B35	The student should be able to propose commercial production plans for plant, animal and food crops in accordance with market systems and assess their environmental impact
B38	The student should be able to compare the size of the problems and risks resulting from infection with pathogens and pests during all stages of production and storage, specifying the mechanisms for managing these problems estimating the potential risk elements
B39	The student should be able to choose the best alternatives proposed to solve an agricultural problem to achieve maximum efficiency of the agricultural facility and exploit the available natural resources to reach sustainable agricultural development
B40	The student should be able to diagnose the reality of horticultural production, and use scientific-technical methods to solve his problems and improve it
B45	The student should be able to choose logical solutions to the problems of engineering and agricultural systems and propose commercial production plans for plant, animal and food crops according to market systems
B46	The student should be able to diagnose the problems of agricultural production and mechanization of small holdings and propose appropriate solutions to them
B47	The student should be able to solve problems using arithmetic, algebraic, geometric, statistical or arithmetic methods
B48	The student should be able to identify and measure land areas and conduct spatial analysis
B49	The student should be able to develop and evaluate management plans with multiple objectives and constraints
C1	**The student should be able to design scientific experiments to solve agricultural problems through the application of modern technologies related to agricultural operations and food production**
C2	**The student should be able to diagnose the pathogens and plant pests and the symptoms resulting from them and practice good agricultural transactions for integrated pest management to maximize agricultural productivity and produce safe food**
C3	**The student should be able to prepare research and scientific studies in his field of specialization in Arabic and English**
C4	**The student should be able to carry out a feasibility study for agricultural projects using multiple programs**
C5	**The student should be able to exercise his national role through the culture of peaceful coexistence**
C6	**The student should be able to use laboratory and computer equipment to predict the effervescence of plant pests and epidemics and operate agricultural machinery used in the control and maintenance of plant pests and diseases**
C7	**The student should be able to efficiently employ modern technologies related to agricultural operations and food production to develop and improve the food product and apply the correct specifications and standards in the field of food science, nutrition, analysis and composition of food and the changes that occur in it**
C8	**The student should be able to develop appropriate practical methods for biological control of pests and plant pathogens and breeding parasites, predators and anti-organisms to find the best appropriate solutions to resist them**
C9	**The student should be able to carry out applied research, and use statistical programs in experimental design and data analysis in the field of food and nutrition research**
C10	**The student should be able to design extension programs to address agricultural phenomena and problems**
C11	**The student should be able to practically carry out some scientific research on pests, pathogens and their families to derive resistance from them during all stages of production and storage to reach sustainable agricultural development**
C12	**The student should be able to apply modern technology in the development of the agricultural and food field and the investment of economic insects**

C13	The student should be able to plan productive activities with economic feasibility to raise the efficiency of agricultural production
C14	The student should be able to apply the principles of inter-economic and econometric in agricultural projects
C16	The student should be able to collect data related to agricultural phenomena and problems
C17	The student should be able to plan the implementation of agricultural extension programs and campaigns for the development of rural communities, using the scientific method
C18	The student should be able to practice good agricultural transactions that ensure the safety of the environment, maximize productivity and produce safe food and preserve the environment
C19	The student should be able to use agricultural resources in an optimal manner through the implementation of productive activities with economic feasibility to raise production efficiency and reach sustainable agricultural development
C20	The student should be able to apply modern and appropriate technology in agricultural operations, food production, apiary management, honey production, pest control and attention to silkworms for silk production
C21	The student should be able to apply modern technology related to the management and implementation of agricultural land, water, environment and food production projects, taking into account professional and ethical standards
C22	The student should be able to employ the practical approach in addressing issues and problems in the fields of soil, water and environmental sciences
C23	The student should be able to apply the theories of the work of engines and pullers and how to use and manufacture them
C24	The student should be able to be fluent in the use of modern technologies, management of agricultural machinery and equipment, irrigation and drainage systems, agricultural facilities, greenhouses, automated service strategies and agricultural mechanization
C25	The student should be able to implement projects of agricultural facilities, surveying and reclamation of land, irrigation systems, water harvesting and good agricultural practices in order to maximize productivity to obtain safe food
C26	The student should be able to choose the appropriate devices and sanitary machines used in the manufacture and analysis of food, dairy and its products
C29	The student should be able to use the resources of the pastoral in an optimal way in order to reach sustainable agricultural development.
C34	The student should be able to monitor the changes of natural phenomena such as soil degradation desertification and water pollution that lead to the death of beneficial organisms
C36	The student should be able to use the amount of fertilizers and agricultural pesticides in an appropriate quantity and with high quality and apply the appropriate use system for them
C37	The student should be able to prepare the initial budget for projects and agricultural activities
C39	The student should be able to plan the implementation of agricultural extension programs and campaigns for the development of rural communities, using the scientific method
C40	The student should be able to manage the yield and raw materials of various field crops and perform the necessary tests for their entry into the food and other industries
C41	The student should be able to diagnose diseases and pests of field crops and apply an integrated management system to combat them
C42	The student should be able to develop programs for the sustainable development of natural pastures, fodder production and management of agricultural and industrial waste to be used as raw materials in the fodder industries
C43	The student should be able to practice the selection and propagation of seeds and good seeds according to quality standards to conduct seed examination tests using modern techniques and equipment
C44	The student should be able to prepare programs for breeding crops of high productivity and quality by traditional methods and using modern biotechnologies
C45	The student should be able to manage the production processes of field crops under drought conditions rainfed agriculture and irrigated farming systems using modern technologies
C46	The student should be able to practice good agricultural transactions that maximize agricultural productivity, livestock and fisheries, produce safe food, solve fertility problems and low production.

C47	The student should be able to install different balanced and economic relationships and produce anima products that are safe for humans
C48	The student should be able to use agricultural resources in an optimal way in the livestock and fisheries sector and benefit from investment projects to reach sustainable agricultural development
C50	The student should be able to estimate pesticide residues in plants, their products and samples taken fron the environment, to diagnose the symptoms of pesticide poisoning and apply first aid.
C51	The student should be able to practically carry out some scientific research on pests and pathogens and their resistant breeding families during all stages of production and storage to reach sustainable agricultural development
C52	The student should be able to successfully use agricultural resources and apply them in various horticultural techniques to produce, improve, trade, store and market various horticultural crops
C55	The student should be able to master the various agricultural processes in the agricultural sector and horticultural techniques
D1	The student should be able to use computer programs in analyzing and presenting data and information in the agricultural field
D2	The student should be able to participate effectively in consolidating the concepts of coexistence and the culture of tolerance and pluralism in practice and application
D3	The student should be able to communicate in Arabic and English fluently and effectively in his field of specialization
D4	The student should be able to develop his cognitive, professional and research abilities in his field of specialization on his own
D8	The student should be able to present information and explain phenomena orally or in writing
D9	The student should be able to be fluent in self-learning, report writing and work within the agricultura team
D10	The student should be able to demonstrate self-learning and continuous abilities to develop his professiona knowledge and skills
D11	The student should be able to master the methods of solving problems and time management in the agricultural and extension field
D12	The student should be able to use information technology to obtain data and information easily and easily to serve the practice of the profession and enable him to present information in correct scientific ways
D14	The student should be able to keep pace with the requirements of the labor market through familiarity with recent developments in the field of food science and human nutrition
D18	The student should be able to participate in the development of rural development plans and contribute to the development of agricultural extension and the development of communication skills
D19	The student should be able to deal efficiently with water, soil and other agricultural natural resources
D20	The student should be able to show the advantages of production of horticultural crops among farmers and investors to reach the level of self-sufficiency and increase horticultural exports as a contribution to achieving a strong national economy
D21	The student should be able to educate the community about the importance of increasing vegetation cover as a contribution to reducing and improving environmental pollution and its impact on the health psychological and social status of society
D23	The student should be able to possess knowledge of general agricultural issues at the national and globa levels
D24	The student should be able to interpret quantitative information from formulas, graphs, tables, plans simulations and visualizations, draw conclusions from that information and represent it symbolically visually and numerically.
Ethics	
E1	The student should be able to suggest ways to preserve the environment and natural resources of the loca community
E2	The student should be able to contribute to enhancing the understanding and awareness of the meaning o professionalism at work and taking legal, moral and social responsibility
E3	The student should be able to deal efficiently and effectively in the field of work to transfer knowledge and skills to farmers and the general public
E4	The student should be able to contribute to spreading awareness among farms and community members to reduce the use of agricultural pollutants

E5	The student should be able to take responsibility for completing the work efficiently and be keen on professional ethics
E6	The student should be able to be keen on analysis and critical thinking within the Eastern and Arab cultural traditions

9 - Teaching and learning strategies

1- Explain the scientific material to students in detail.
2- Participation of students in conducting laboratory and agricultural experiments.
3- Discussion and dialogue on related vocabulary.
4- Audio methods (teaching explanation of the subject)
5 - Blackboard and Smart board writing style
6 - The method of direct dialogue between the teacher and the student with the evaluation of the student in the classroom participations
7. Field practices
- Use websites and programs for interactive learning, Power Point, Google Class Room

10. Evaluation methods

Quiz, monthly exams and end-of-semester exams.
The student's submission of the scientific reports of the experiments (laboratory and field), the attendance of the students, the participation and efforts of the student in the lecture.

10- Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Preparation of the teaching staff	
	year	special			staff	lecturer
Professor	Field crops	Plant breeding			1	-
Assistant Professor	Field crops	Production of field crops			4	-
Assistant Professor	Field crops	Physiology of field crops			1	-
Assistant Professor	Field crops	Plant breeding			1	-
Lecturer	Field crops	Weed control			1	-
Lecturer	Field crops	Field crops			4	

Assistant Lecturer	Field crops	Field crops			3	-

11 - Professional Development
Mentoring new faculty members
✓Develop skills to enhance self-confidence, positive orientation towards a culture of quality and requirements, enhancing a sense of responsibility, believing in the spirit of teamwork and its role in achievement, developing a sense of functionality and moral scruples. ✓Evaluate courses and plans in coordination with scientific departments to ensure that they meet the requirements of the labor market. ✓Possess student mentoring skills. ✓ The ability to produce educational materials according to quality specifications, including courses, media, lectures and educational supplies
Professional development of faculty members
✓Develop educational skills by diversifying teaching methods, positively dealing with and practicing feedback, using educational technologies, and focusing on developing intellectual skills and competitiveness among students. ✓Developing the skills of addressing problems and phenomena affecting the educational process in the college ✓Develop the ability to evaluate courses and plans in coordination with scientific departments to ensure that they meet the requirements of the labor market. ✓Develop the ability to measure the satisfaction of beneficiaries (faculty members, students, community) with the educational and research process in the college ✓Evaluate tests and methods of evaluating students, and prepare reports to follow up on their results

12- Acceptance criterion
✓Students are accepted to college programs centrally through the Central Admission Department at the Ministry of Higher Education and Scientific Research and according to the application channels approved by the Ministry . ✓ Students are distributed to the department's program according to the average and the desire of the students. ✓ To be physically and healthily fit based on the medical examination report

✓ Advanced student average according to the minimum rates approved by the Ministry

13- The most important sources of information about the program

✓ The main source of program information is the minutes of the committee of experts of the departments corresponding to the Department of Ministerial Field Crops and approved as a scientific body by the Committee of Deans of Faculties of Agriculture.

✓ The study prepared by the Scientific Committee and the Department Council and approved by the College Council, which includes proposals for updating agricultural disciplines and simulation

14 - Program Development Plan

✓ A plan was developed to develop the program after studying the internal audit notes by the teachers, the quality assurance committees, the scientific committee in the department, the department council, the external review of the program, and the students' observations by analyzing the results of student questionnaires for courses, the observations of academic advisors, analyzing the data of the questionnaires committee questionnaires in the college, and the evaluation reports of the exam questions for all courses of the program, which are as follows:

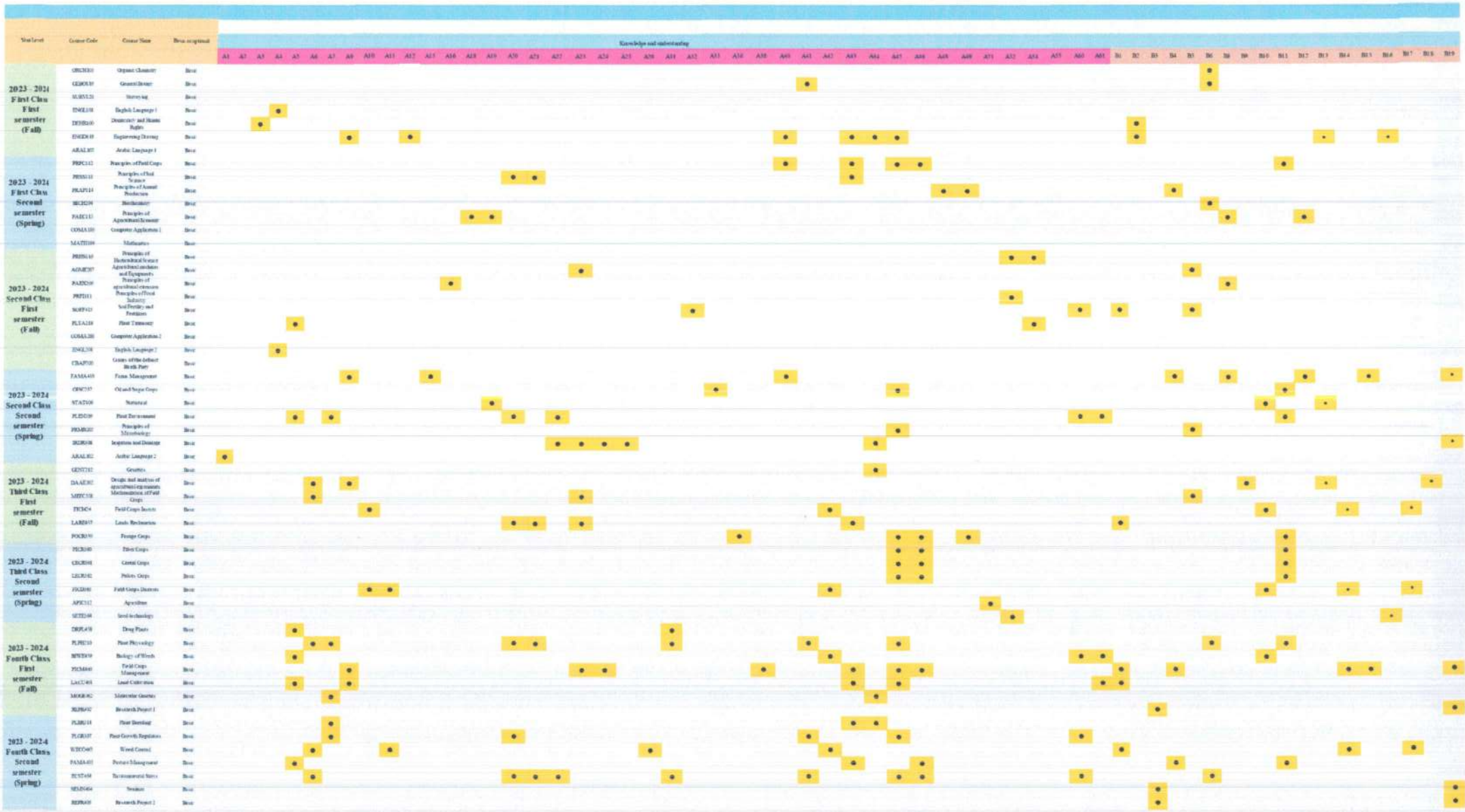
✓ Insufficient practical training

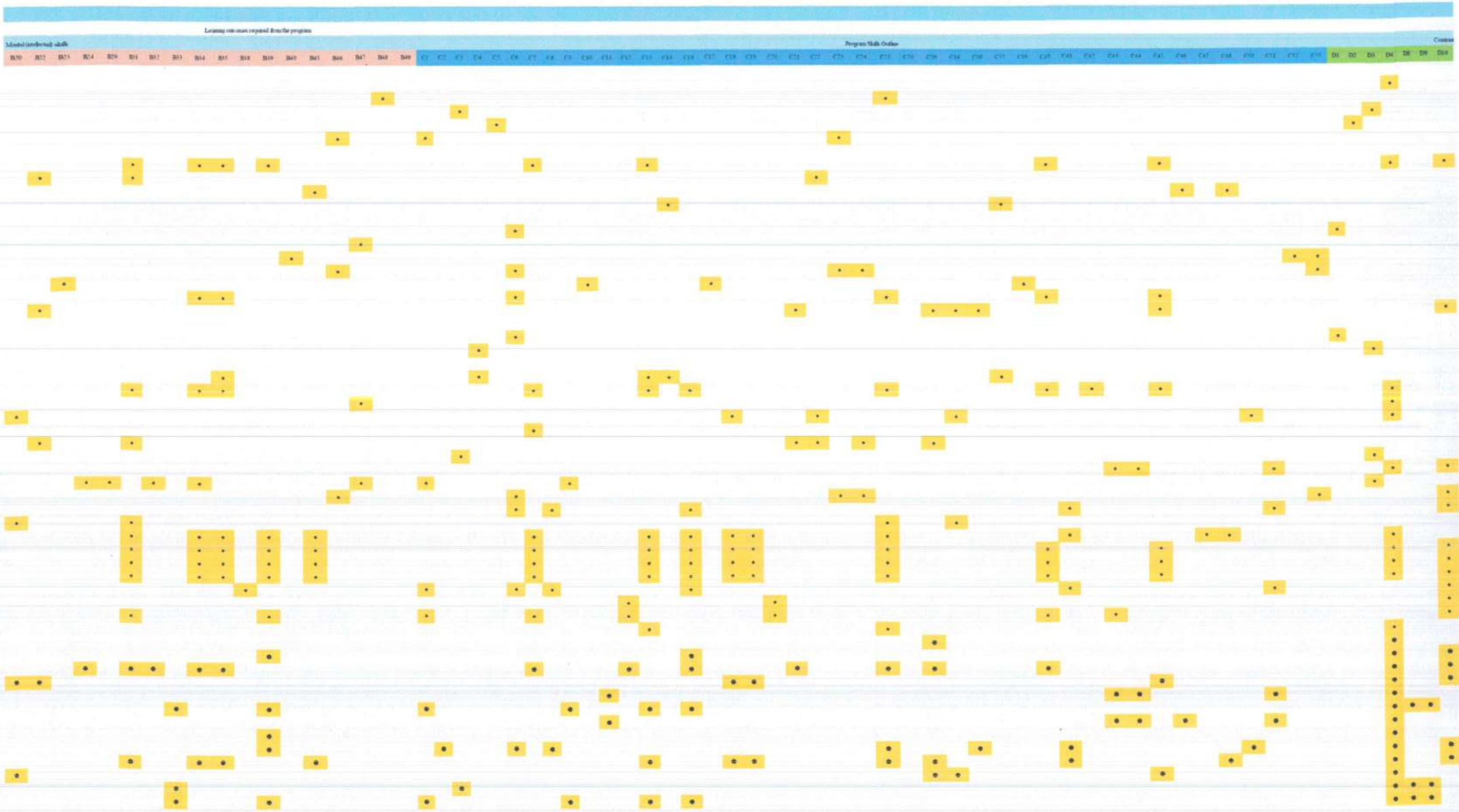
✓ The lack of a clear mechanism to help struggling students and motivate outstanding students

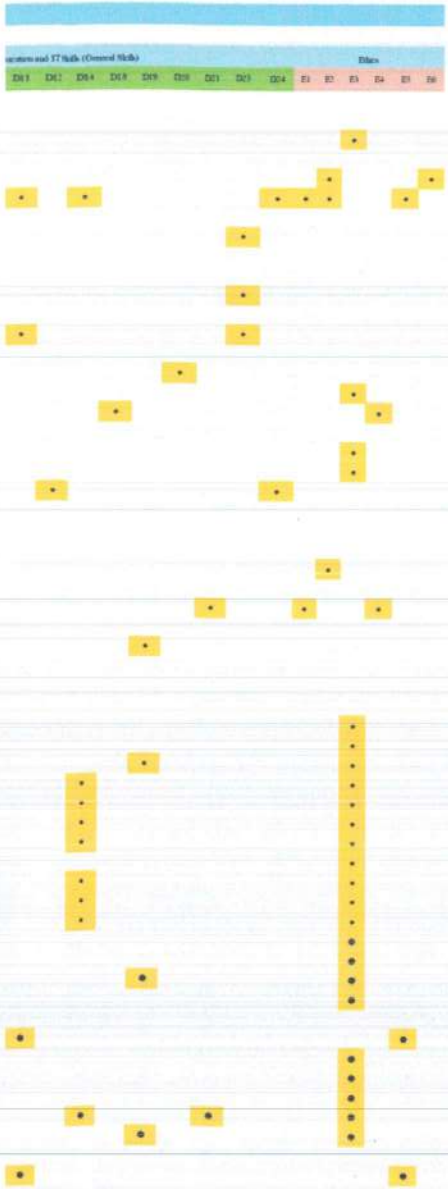
✓ Lack of familiarity with students about the university regulations that govern the educational process

✓ The success rates of some courses do not match the normal distribution scheme

globally
✓ Local and regional market needs


Knowledge and understanding
Year Level
Course Code
Course Name
Basic or optional
2023 - 2024 First Class First semester (Fall)
2023 - 2024 First Class Second semester (Spring)
2023 - 2024 Second Class First semester (Fall)
2023 - 2024 Second Class Second semester (Spring)
2023 - 2024 Third Class First semester (Fall)
2023 - 2024 Third Class Second semester (Spring)
2023 - 2024 Fourth Class First semester (Fall)
2023 - 2024 Fourth Class Second semester (Spring)


Learning outcomes expected from the program
Mental (intellectual) skills
Program Skills Outline
Courses


Ethics