Academic Program Description Form

University Name: .....

Faculty/Institute: .....

Scientific Department: .....

Academic or Professional Program Name: .....

Final Certificate Name: .....

Academic System: .....

Description Preparation Date:

File Completion Date:

Signature:

Head of Department Name: Talal Saeed Hameed

Date: 28/4/2024

Signature:

Scientific Associate Name:

Date: 29/4/2024

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: 29/4/2024 A. L. Oday Abdulhadi Adday

Signature:

Approval of the Dean

1. Program Vision

Excellence and advancement in academic education, leadership in community service, quality in scientific research in the fields of Agricultural Extension and technology transfer in pursuit of international.

2. Program Mission

Contribute to achieving sustainable development by preparing a specialized and qualified agricultural engineer to work in the fields of Agricultural Engineering Sciences committed to professional ethics with high scientific competence and applied skills, and able to meet the needs of the local, regional and global labor market and serve the community at a competitive level through the development of scientific research skills and continuous self-learning

3. Program Objectives

qualifying specialized scientific cadres trained and with scientific competencies in the field of Agricultural Extension and technology transfer are able to face the challenges of the profession and compete with their peers in community service and meeting the needs of the labor market.

2-developing a stimulating modern educational environment equipped with the latest technologies and advanced equipment that enables the student to compete, creativity and discrimination and creates in him the desire to continue continuous learning, self-development, skills and ability to develop performance, work in a team and decision-making in the field of Agricultural Extension and technology transfer.

3-qualification of cadres familiar with agricultural legislation and legal and social issues, commitment to work ethics and quality management related to agricultural fields, especially related to agricultural extension and technology transfer

4-managing and employing resources and addressing problems in agricultural facilities and projects with efficiency and good performance in the field of Agricultural Extension and technology transfer within the framework of conservation of Natural Resources, Biodiversity and sustainable development.

5-possess skills in the fields of language and computer use and develop their abilities to use the scientific and practical method in research in the field of Agricultural Extension and transfer technologies and contribute to solving related agricultural problems.

6. can analyze the ways in which humans, plants and soil interact with the general environment in order to promote the conservation of Natural Resources and Environmental Protection.

7-assesses the characteristics of soil and water and determine the appropriate agricultural use patterns under different environmental conditions and conditions to preserve soil from degradation and water from pollution for a clean sustainable environment.

8-can think critically and promotes the use of initiative for problem solving and decision making in sustainable development.

9-he is familiar with sustainable rural development and can deal with the challenge of disparities between rural and urban areas, the protection of the countryside and the sustainability of local services.

10-he can solve the problems facing rural communities and develop them for an innovative transition to sustainability and food security.

11. focuses on development topics such as climate change, inequality, poverty, sustainable agriculture, migration, food security, disaster management and Natural Resources.

12-learns the skills necessary for planning and implementing rural, agricultural and economic development programs, administrative, analytical, consulting, agricultural trade, agricultural marketing, environmental and regional skills, deep understanding of the relationship between administrative tasks and the agricultural

economy, they can carry out professional tasks that meet market expectations.

13. it distinguishes and deals with the four areas of rural development: agribusiness, agricultural economics, or tourism and finance.

14-familiar with rural projects, rural livelihoods and rural policy, which are important in the processes of change that affect individuals, groups or organizations within the agribusiness and rural sector.

15-possesses the knowledge and skills that help in studying the economic and socio-agricultural issues of society, and predicting the possible repercussions of them.

16-he possesses the skills of using economic and statistical methods and tools to help him address various agricultural issues.

17-has the ability to plan and implement agricultural extension and rural development programs.

4. **Program Accreditation**
There is no

5. **Other external influences**
The family problems facing students negatively affect the performance of students for the academic program Extra-curricular activities help students achieve greater achievements in the application of the academic program The economic situation of students and their association with jobs to save money negatively affects their academic performance The student's learning efficiency 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	22	12.5714	
College Requirements	5	14	8.0000	
Department Requirements	40	139	79.4286	
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		
		The first stage			
2023 – 2024 The first chapter	RUSO126	Rural sociology	2	3	3.5
	PRSS113	Principles of Soil Science	2	3	3.5
	LECC127	Cereals and legumes	2	3	3.5
	COMA103	Applications in Computer 1	–	3	1.5
	ENGL101	English language 1	2	–	2
	DEHR100	Democracy and Human Rights	2	–	2
	SOPS126	Social Psychology	2	3	3.5
The second semester	PRFI111	Principles of the food industry	2	3	3.5
	PREN128	Principles of entomology	2	3	3.5
	CAPR129	Livestock production	2	3	3.5

	PHYS110	Physics	2	3	3.5
	VPR121	Vegetable production	2	3	3.5
	AGMM207	Agricultural machinery	2	3	3.5
	ARAL102	Arabic language 1	2	–	2
		The second stage			
The first chapter	EDPS228	Educational psychology	2	3	3.5
	SOST229	Social statistics	2	3	3.5
	SOFF415 INCR230	Soil fertility and Fertilizers Industrial crops	2 2	3 3	3.5 3.5
	PRPD227	Principles of pan	2	3	3.5
	IRTD231	Modern irrigation and puncture techniques	2	3	3.5
	FRPR208	Fruit production	2	3	3.5
	ENGL201	English Language 2	2	–	2
	CBAP200	Crimes of the defunct Baath Party	2	–	2
The second semester	ADED232	Senior education	2	3	3.5
	PAEX206	Principles of agricultural extension	2	3	3.5
	POPR233	Poultry production	2	3	3.5
	PLDI319	Plant diseases	2	3	3.5
	PAEC115	Principles of agricultural economics	3	–	3
	COMA203	Applications in computer 2	–	3	1.5
	ARAL202	Arabic language 2	2	–	2
		The third stage			

The first chapter	COMM334	Extension communication	2	3	3.5
	RULE335	Rural Leadership	2	3	3.5
	GRDY336	Group dynamics	2	3	3.5
	MESR337	Methods of sociological research	2	3	3.5
	WECO303	Jungles and methods of combating them	2	3	3.5
	MEAP338	Agricultural Media and journalism	2	3	3.5
	COMA301	Applications in Computer 3	–	3	1.5
	ENGL300	English language 3	2	–	2
The second semester	MSME339	Measurement methods	2	3	3.5
	THSC340	Theories of social and technical change	2	3	3.5
	ERWY341	Extension a woman and a rural upbringing	2	3	3.5
	AEMM342	Methods and means of agricultural extension	2	3	3.5
	EXMA343	Extension management	2	3	3.5
	PAPS344	Principles of storage of agricultural products	2	3	3.5
	ANHD345	Animal health and disease	2	3	3.5
The fourth stage					

The first chapter	PLEP439	Planning extension programs	2	3	3.5
	EXEC440	Extension environment	2	3	3.5
	EXTR441	Extension training	2	3	3.5
	AGMA442	Agricultural Marketing	2	–	2
	AGEA443	Agricultural extension curricula	2	3	3.5
	REPR402	Graduation Research Project 1	–	3	3.5
	ENGL400	English language 4	2	–	2
	SEMN404	Seminars	1	–	1
The second semester	EXPE444	Evaluation of extension programs	2	3	3.5
	MTAT445	Methods of transfer of indicative technologies	2	3	3.5
	DELC446	Community Development	2	3	3.5
	EXER447	Indicative public relations	2	3	3.5
	FAMA410	Farm management	2	3	3.5
	REPR403	Graduation Research Project 2	–	3	1.5
	COMA401	Applications in computer 4	–	3	1.5

8. Expected learning outcomes of the program

Knowledge	
A1	The student should be able to demonstrate proper knowledge and understanding of the Arabic language, teaching, developing and popularizing its use as a scientific and educational language in various scientific and knowledge fields.
A3	The student should be able to demonstrate the foundations of the University's culture and its core values of accountability, transparency, justice, equality, cooperation, belonging and citizenship

A4	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
A5	The student should be able to demonstrate a sound knowledge and understanding of the English language, its teaching, dissemination, development and use for scientific and educational purposes in various scientific and cognitive fields
A6	The student should be able to explain biodiversity and its importance and how to preserve natural resources in the environment
A7	The student should be able to familiarize himself with the basics of basic and Applied Sciences, modern technologies related to agriculture and food, and the principles of planning and implementing agricultural operations
A9	The student should be able to explain the basics of Applied Sciences related to Agricultural Sciences, Food, Natural Resources, Environment and biological systems
A13	The student should be able to demonstrate the basics of Agricultural Engineering and the principles of planning and implementing the agricultural process
A16	The student should be able to familiarize himself with various scientific methods for the development and development of resources, facilities and agricultural sectors
A17	The student should be able to explain the stages and basic elements of planning and implementing agricultural and cultural operations and activities in agricultural communitie
A20	The student should be able to demonstrate the principles and theories of basic sciences related to agriculture and Rural Development
A21	The student should be able to explain the principles of basic and Applied Sciences and modern technologies related to the sciences of agriculture, land, water and environment
A22	The student should be able to describe practical developments in the field of land and related sciences The student should be able to explain environmental issues and problems related to the land, water and environment sector
A29	The student should be able to show the human needs of nutrients, their main functions of the body, their nutritional sources and the impact of insufficiency and increased intake
A40	The student should be able to demonstrate the principles and theories of basic sciences related to agriculture, food and Rural Development.
A62	The student should be able to understand social and economic structures, processes and institutions across a wide range of human experiences and culture
Skills	
B1	The student should be able to practice various thinking skills systematically and

	positively in diagnosing the problems and issues that he faces during work and propose appropriate solutions to them
B2	The student should be able to express his thoughts clearly and objectively , and have a positive dialogue 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
B8	The student should be able to assess the economic situation of the market by solving agricultural problems and knowing his needs
B19	The student should be able to design appropriate production plans and irrigation projects to achieve food and water security and serve the Sustainable Development Goals
B23	The student should be able to show Easy methods of guidance and education to change behavior and increase awareness of various individuals and groups
B24	The student should be able to analyze the evaluation data and information and not use it in decision-making to continue the quality improvement and make the appropriate intervention
B29	The student should be able to analyze data and information related to agricultural, food and nutrition problems to find the most appropriate solutions
B30	The student should be able to classify the socio-economic factors that achieve the technical and economic efficiency of the agricultural facility
B39	The student should be able to choose the best proposed alternatives to solve an agricultural problem to achieve maximum efficiency of the agricultural facility and exploit the available natural resources to reach sustainable agricultural development
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 processes and food production
C3	The student should be able to prepare research and scientific studies in his field of specialization in Arabic and English
C10	The student should be able to design extension programs to address agricultural phenomena and problems

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
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
C29	The student should be able to use agricultural resources in an optimal way in order to reach sustainable agricultural development.
C37	The student should be able to prepare the initial budget for agricultural projects and 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
C55	The student should be able to master various agricultural processes in the agriculture sector and gardening techniques
C60	The student should be able to use computers and other technologies to communicate, measure, analyze and solve problems related to Forest Science
D1	The student should be able to use computer programs to analyze and display data and information in the agricultural field
D2	The student should be able to participate effectively in the consolidation of the concepts of coexistence and the culture of tolerance and pluralism in practice and application
D3	The student should be able to communicate fluently and effectively in Arabic and English in his field of specialization
D4	The student should be able to develop his / her cognitive, professional and research abilities in his / her field of specialization
D5	The student should be able to acquire the skills of Planning, Organization, time management and group leadership in a satisfactory manner
D6	The student should be able to have the ability to manage human resources and create a cooperative work environment
D7	The student should be able to work with his colleagues in a team spirit, and the

	possibility of communicating with others
D8	The student should be able to present information and explain phenomena orally or in writing The student should be able to be good at self-learning, writing reports and working within the agricultural team
D9	The student should be able to show the abilities of self-learning and continuous, to develop his information and professional skills
D10	The student should be able to master the methods of problem solving and time management in the agricultural and extension field
D11	The student should be able to use information technology to obtain data and information easily and easily, which has served the practice of the profession and enables him to display information in correct scientific ways
D12	The student should be able to master continuous self-education and identify personal educational needs
D13	The student should be able to work in a multicultural team, and be able to understand the behavior of groups
D15	The student should be able to deal efficiently with the appropriate audio-visual means in presenting data and information related to the environment
D16	The student should be able to master communication skills and the ability to work in specialized teams with the relevant authorities
D17	The student should be able to participate in the development of plans for Rural Development and contribute to the development of Agricultural Extension and the development of communication skills
D18	The student should be able to raise the awareness of the community about the importance of increasing vegetable cover as a contribution to reducing and improving environmental pollution and its impact on the health, psychological and social status of the community
D21	The student should be able to have the ability to manage human resources and create a collaborative work environment
D22	The student should be able to possess knowledge of general agricultural issues at the national and global level
D23	The student should be able to possess knowledge of general agricultural issues at the national and global level

Values	
E1	The student should be able to propose ways to preserve the environment and natural resources in the local community
E2	The student should be able to contribute to enhancing the understanding and awareness of the meaning of professionalism at work and assume legal, ethical 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 farmers and community members to reduce the use of agricultural pollutants

9. Teaching and Learning Strategies

The lecture

Group discussion

Assigning the student to prepare a report

10. Evaluation methods

Short exams

Duties

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Professor		1		1	There is no
Assistant professor		7		7	There is no

Teacher		5			5	There is no
Assistant teacher		6			6	There is no

Professional Development
Mentoring new faculty members
Developing skills to enhance self-confidence, positive orientation towards the culture of quality and requirements, enhancing the sense of responsibility, belief in the spirit of teamwork and its role in achievement and the development of a sense of career and moral motivation. Evaluating courses and plans in coordination with the scientific departments to ensure that they meet the requirements of the labor market. Possess the skills of guiding and guiding students. The ability to produce educational materials according to quality specifications, including courses, media, lectures and educational supplies
Professional development of faculty members
Developing educational skills by diversifying teaching methods, positively dealing with feedback and practicing it, using teaching techniques, and focusing on the development of intellectual and competitive skills among students. Development of skills to address problems and phenomena affecting the course of the educational process in the college Develop the ability to evaluate courses and plans in coordination with the scientific departments to ensure that they meet the requirements of the labor market. Developing the ability to measure the satisfaction of beneficiaries (faculty members, students, community) with the educational and research process at the faculty Evaluation of tests and means of evaluating students, and preparation of reports to follow up on their results

12. Acceptance Criterion
Students are admitted to the college's 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 program according to the average and the desire of the students.

Be physically fit and healthy based on the medical examination report

The rate of the advanced student according to the minimum rates approved by the ministry

13. The most important sources of information about the program

The main source of the program information is the minutes of the committee of experts of the corresponding departments of the Department of Agricultural Extension and transfer of ministerial technologies approved as a scientific body by the committee of deans of Colleges of Agriculture.

The study prepared by the scientific committee and the department Council and approved by the College Council, which includes proposals for modernizing agricultural specialties and simulating the three most important corresponding scientific departments approved globally.

Local and regional market need

14. Program Development Plan

A plan was developed for the development of the program after studying the internal audit observations by the teachers, quality assurance committees, the scientific committee in the department, the department Council, the external review of the program, and the students ' observations through analyzing the results of student questionnaires for the courses, the observations of academic advisors, analyzing the data of the questionnaires of the questionnaire committee in the college and:

Insufficient practical training

Lack of a clear mechanism to help struggling students and motivate excellent students

Students ' lack of familiarity with the university regulations governing the educational process