Academic Program Description Template

University Name: University of Mosul
College/Institute: College of Agriculture and Forestry.
Academic Department: Department of Agricultural Economics
Academic or professional program name: Master of Agricultural Economics
Final degree title: Master of Agricultural Economics
Academic system: Semester-based

Description prepared on: 1/9/2025

Signature:

Department Head: Prof. Dr.
Zwaid Fathy Abd

Date: 1/9/2025

Signature:

Scientific Assistant Name: Prof. Dr.
Hamid Hamoud Ali

Date: 1/9/2025

Date the file was filled out: 1/9/2025
The file was reviewed by
Evaluation Division Quality Assurance and Performance
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Asst.Lec.Oday Abdulhadi Adday
Unit Officer: Dr. Ramia Amer Khalil
Date: 1/9/2025

the signature

Maadhidi-Dr. Ali Farouk Al .Prof -Approval by the Dean:

1. Program Vision

The Department of Agricultural Economics seeks to develop agricultural economic concepts and achieve sustainable agricultural development through scientific contributing to enhancing food security research and practical applications, thereby and achieving comprehensive economic development for the local and regional .community

2. Program message

The Department of Agricultural Economics seeks to equip students with the necessary to analyze and apply economic principles economic knowledge and skills in the agricultural sector, through distinguished educational programs and advanced scientific research, which contributes to solving contemporary agricultural .stainability at all levelseconomic issues and promoting agricultural su

3. Program objectives

1. Qualifying specialized scientific personnel, trained with scientific competencies in the field of agricultural economics, who are able to face the challenges of the profession and compete with their peers in serving the he labor marketcommunity and meeting the needs of t.
2. Managing and utilizing resources and addressing problems in agricultural projects efficiently and effectively within the framework of agricultural economics, while preserving natural resources, biodiversity, and sustainable .development
3. nalyzing and evaluating agricultural business problems and management A decisions using business software.
4. He possesses the skills required to manage different types of agricultural businesses.
5. ulture and He can learn and apply advanced production techniques in agric agricultural industry activities.
6. He can learn the key tools for analyzing and improving the quality of industrial products-agricultural and agro.
7. He can formulate agricultural marketing plans and strategies for both general ecialty productscommodities and sp.
8. Understanding the deeper issues in agriculture, analyzing agricultural systems from an economic perspective, and providing advice on making-administrative decision.

4. Program accreditation

Nothing

5. Other external influences

- ✓ Family problems faced by students negatively affect their performance in the academic .program
- ✓ Extracurricular activities help students achieve greater success in implementing the .academic program
- ✓ n jobs to earn money The economic situation of students and their involvement i .negatively affects their academic performance
- ✓ A student's learning proficiency from their preparatory studies is one of the most .important indicators of excellence in the performance of the academic program

6. Program structure

Chapter One		Hours		Notes	Chapter Two		Hours		Notes
Study material	Units	theoretical	practical		Study material	Units	theoretical	practical	
English languag (2)	Complete	2	-	essential	Computer2	1	1	-	essential
Seminars (1)	1	1	-	essential	Research Methodology(1)	2	2	-	essential
Advanced Microeconomic Theory1	3	2	3	essential	Advanced Macroeconomic Theory1	3	2	3	essential
Advanced Mathematical Economics 1	3	2	3	essential	Advanced Standard Economics 1	3	2	3	essential
Optional Lesson 1	3	2	3	optional	Optional Lesson 1	3	2	3	optional
Optional Lesson 2	3	2	3	optional	Optional Lesson 1	3	2	3	optional
the total	13	11	12		the total	14	12	12	
Required academic background for admission	Bachelor of Science in -Economics Bachelor of Science in Agriculture in Agricultural .(and Agricultural Extension (Closing -Management and Economics (Closing)								
Requirements for obtaining the certificate	Passing 36 study units (13 units in the first semester + 14 units in the second semester, + (preparatory year farm on the9 units for researching the master's thesis distributed .over the research year in its two semesters								

8.Program Description						
Year / Level	Course code	Course name	Credit Hours		Units	comments
			theoretical	practical		
First Year/First Semester 2025-2026	Ag.Ec.605	Mathematical economics	2	3	3	Core
First Year/First Semester 2025-2026	Ag.Ec.610	Advanced Agricultural Project Evaluation 1	2	3	3	Elective
First Year/First Semester 2025-2026	Ag.Co.602	English Language 2	2	3	3	Core
Year/First First Semester 2025-2026	Ag.Co.604	(Seminars (1	2	-	Com plete	Core
First Year/First Semester 2025-2026	Ag.Ec.601	Advanced Microeconomic Theory 1	1	-	1	Core
First Year/First Semester 2025-2026	Ag.Ec.602	Advanced Economic Development 1	2	3	3	Core
First Year/Second Semester 2025-2026	Ag.Ec.604	Advanced Standard Economics 1	2	3	3	Core
First Year/Second Semester 2025-2026	Ag.Co.601	Computer 2	2	3	3	Core
First Year/Second Semester 2025-2026	Ag.Co.603	Research Methodology(1)	2	3	3	Core
First Year/Second Semester 2025-2026	Ag.Ec.603	Advanced Macroeconomic Theory 1	1	-	-	Core
First Year/Second Semester 2025-2026	Ag.Ec.608	Advanced Agricultural Production Economics 1	1	-	1	Elective
First Year/Second Semester 2025-2026	Ag.Ec.606	Advanced Agricultural Marketing 1	2	3	3	Elective
	Ag.Ec.611	Agricultural Policy 1	2	3	3	Elective

9. Expected learning outcomes

Code	Knowledge and understanding
A 15	The student should be able to explain the principles of planning operations and know what is and implementing agricultural needed The market through supply and demand price analysis
A 18	The student should be able to compare what the market needs by .analyzing supply and demand prices
A19	The student should be able to demonstrate the relationship between macroeconomics, microeconomics, and statistics with .agricultural production
A33	The student should be able to identify the principles of planning and implementing agricultural and industrial operations to .quality food-produce safe and high
Code	**Cognitive (Intellectual) Skills**
B4	The student should be able to propose commercial production plans for plant, animal, and food crops according to market systems by assessing the economic situation of the market and .understanding its needs
B8	student should be able to assess the economic situation of the The market by solving agricultural problems and understanding its .needs
B13	The student should be able to analyze, using a scientific methodology, data and information related to agricultural .blems in order to find the most appropriate solutionspro
B30	The student should be able to classify the social and economic factors that achieve the technical and economic efficiency of the .agricultural establishment
B39	The student should be able to choose the best proposed alternatives to solve an agricultural problem in order to achieve maximum efficiency for the agricultural enterprise and utilize available .ntnatural resources to reach sustainable agricultural developme
B43	The student should be able to employ the systematic scientific method in making appropriate decisions to solve various scientific .problems
B4	The student should be able to solve problems using arithmetic, algebraic, geometric, statistical, or mathematical methods.
Code	**Professional (Practical) Skills**
C4	The student should be able to conduct a feasibility study for multiple software programs agricultural projects using

C9	The student should be able to conduct applied research and use statistical software in experimental design and data analysis in the field of food and nutrition research
C15	of econometrics The student should be able to apply the principles in agricultural projects within the framework of international trade
C16	The student should be able to collect data related to agricultural phenomena and problems
C60	The student should be able to use computers and other technologies for communication, measurement, analysis, and solving related to forestry science-problem
Code	Communication Skills
D1	The student should be able to use computer programs to analyze .present data and information in the agricultural field and
D5	The student should be able to acquire satisfactory skills in .planning, organization, time management, and group leadership
D7	The student should be able to work with his colleagues in a team .spirit and be able to communicate with others
D14	The student should be able to keep pace with the demands of the job market by being familiar with modern developments in the .field of food science and human nutrition
D24	interpret quantitative information The student should be able to from formulas, graphs, tables, plans, simulations, and visualizations, draw conclusions from that information, and .represent it symbolically, visually, and numerically
Code	Values / Beliefs
E4	able to contribute to raising awareness The student should be among farmers 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 adhere to professional ethics

10.Teaching and learning strategies

✓ Developing study curricula in coordination with relevant higher .departments within the department

✓ The department develops curricula that are similar to the .environment of the community that the department serves

✓ Sending students to agricultural departments, directorates of agriculture, or departments related to the department's specializations for .the purpose of conducting summer internships

10.Assessment Methods

✓ period and asking students Conducting tests during the application questions to determine their understanding of the nature of the work that .was practiced during the application period

✓ Conduct a discussion of the research at the end of the semester to .sesdetermine the students' choices in the cour

✓ Writing reports after the completion of the application period to determine the extent to which students are able to diagnose problems and .how to find solutions for them

11.Faculty

Faculty members

academic rank	Specialization		Special requirements/s (kills (if any		Faculty preparation	
	general	private			angel	lectur er
.Mr		2			2	
assistant professor		6			6	
teacher		10			10	
Assistant teacher		3			3	

Professional Development

Orienting new faculty members
✓ confidence, a positive attitude towards the -enhance self Developing skills to culture of quality and its requirements, promoting a sense of responsibility, believing in the spirit of teamwork and its role in achievement, and developing a sense of .cienceprofessionalism and moral cons ✓ Evaluate the courses and plans in coordination with the academic departments . to ensure they meet the requirements of the labor market ✓ .Possessing student guidance and mentoring skills ✓ ity standards, The ability to produce educational materials according to qual .including courses, media, lectures, and teaching supplies
Professional development of faculty members
✓ Developing educational skills through diversifying teaching methods, positively educational technologies, and focusing engaging with and practicing feedback, using .on developing intellectual and competitive skills among students ✓ Developing skills in addressing problems and phenomena affecting the .educational process in the college ✓ plans in coordination with Developing the ability to evaluate courses and . academic departments to ensure they meet the requirements of the labor market ✓ Developing the ability to measure the satisfaction of beneficiaries (faculty at the members, students, community) with the educational and research process .college ✓ Evaluating tests and student assessment methods, and preparing reports to .follow up on their results

12 .Admission Criteria
✓ Students are admitted to the college's programs centrally through the Central Ministry of Higher Education and Scientific Admissions Department at the .Research, and according to the application channels approved by the ministry ✓ Students are distributed across the department's program according to .their GPA and student preferences ✓ medically fit, based on the medical examination To be physically and .report ✓ The applicant's grade point average, according to the minimum grade .point averages approved by the Ministry

13.Key sources of information about the program

- ✓ the program is the minutes of the The primary source of information for :xpert committee of the corresponding departments of the Ministry's Department)f Agricultural Economics, which is accredited as a scientific body by the .committee of deans of agricultural colleges
- ✓ the Scientific Committee and the Department The study, prepared by Council and approved by the College Council, includes proposals to update ıgricultural specializations and emulate the three most important internationally .accredited equivalent scientific departments
- ✓ regional market needs Local and

14.Program Development Plan

A plan was developed to improve the program after studying the internal review observations by the faculty, quality assurance committees, the department's the external review of the program, ,scientific committee, the department council and student feedback through an analysis of the results of student surveys for the courses, academic advisors' feedback, analysis of survey data from the college's for all courses in the survey committee, and reports evaluating exam questions :program, as follows

- ✓ Inadequate practical training
- ✓ The lack of a clear mechanism to help struggling students and .achieving ones-motivate high
- ✓ Students' lack of familiarity with university regulations governing the sseducational proce
- ✓ The failure of the success rates for some courses to conform to the normal distribution chart

Academic Program Skills Alignment Framework – Master's Program in Agricultural Economics (2025–2026)