

University of Mosul



Bachelor of Agriculture and Forestry / Agricultural Economics



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1. **Mission & Vision Statement**

Vision Statement

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

Mission Statement

The Department of Agricultural Economics seeks to provide students with the economic knowledge and skills necessary to analyze and apply economic principles in the agricultural sector, through distinguished educational programs and advanced scientific research, which contributes to its role in resolving contemporary agricultural economic issues and promoting agricultural sustainability at all levels.

2. Program Specification

Programme code:	AGEC1979	ECTS	240
Duration:	4 levels, 8 Semesters	Method of Attendance:	Full Time

He wrote something like:

Leadership and excellence in the fields of agricultural economics that examine the economic problems related to the efforts of the individual in the agricultural profession and apply economic theories and principles to agricultural activities and search for means by which economic, natural, human and capital resources can be exploited economically correctly. The Department of Agricultural Economics seeks to prepare specialized and qualified scientific cadres capable of developing and growing the agricultural sector and providing them with skills and knowledge and deepening scientific research in a way that contributes to preparing a graduate capable of keeping pace with the development occurring in the labor market. The department also contributes to the field of community service by providing consultations and training in areas of specialization to public and private institutions to develop their capabilities and the capabilities of their employees. The main goal of the department is to qualify graduates of preparatory studies (scientific branch) through the extensive scientific knowledge they obtain in the fields of agricultural economics branches after graduation and obtaining the scientific degrees granted by the department (bachelor's, master's, doctorate) in agricultural sciences, which is the final result that the institution seeks to achieve in developing the scientific and skill method. Level 1 exposes students to the fundamentals of agricultural and forestry sciences and is suitable for progression to all programmes within the Agricultural Sciences programme group. Core programme topics are covered at Level 2 in preparation for the research-led subject specialisation modules at Levels 3 and 4. The undergraduate agricultural economics graduate is thus trained to appreciate how research informs teaching, in accordance with the mission statements of the University and the School. A research spirit is developed and reinforced from the outset through practical exercises, which are either integrated

into lecture modules or taught in dedicated practical modules, research seminars and tutorials. All students undertake an independent research project, which may be a library or data analysis project worth xx credits, or a field or laboratory project worth xx credits. Academic tutoring at Levels 1 and 2 is with the same tutor, who also acts as a personal tutor, providing continuity and progressive guidance. Tutoring at Levels 1 and 2 includes a number of workshops to teach skills, such as library use and presentation skills, followed by assessment exercises, such as essays and talks, as opportunities to practise these skills in the context of a specific topic. International years and industrial training are also offered and individual needs are discussed with the appropriate tutor and met where possible.

3. Program Objectives

- 1- To prepare specialized, trained, and scientifically competent cadres in the field of agricultural economics, capable of meeting the challenges of the profession and competing with their peers in serving the community and meeting the needs of the labor market.
- 2- To manage and utilize resources and address problems in agricultural establishments and projects efficiently and effectively in the field of agricultural economics within the framework of preserving natural resources, biodiversity, and sustainable development.
- 3- To analyze and evaluate agricultural business problems and administrative decisions using business software.
- 4- To possess the skills required to manage various types of agricultural businesses from farms to restaurants.
- 5- To be able to identify and use diagnostic tools to identify the major challenges affecting agricultural raw materials and processed food products.
- 6- To be able to formulate agricultural marketing plans and strategies for both general goods and specialized products.
- 7- To learn the economic aspects of agriculture and its relationship to resources and the environment, adopting environmentally sustainable approaches.
- 8- To develop a deeper understanding of issues in agriculture, analyze agricultural systems from an economic perspective, and provide advice on managerial decision-making.

4. Student Learning Outcomes

Agricultural economics is an applied field concerned with the application of economic theory to improve the production and distribution of food and fiber. Agricultural economics began as a branch of economics specifically concerned with land use, and focused on maximizing crop yields while maintaining a healthy soil ecosystem. The discipline expanded over the twentieth century and its current scope has become much broader. Agricultural economics now encompasses a range of applied fields with a great deal of overlap with traditional economics. Agricultural economists have made important contributions to research in economics, econometrics, development economics, and environmental economics. Agricultural economics influences food, agricultural, and environmental policy. The department offers a bachelor's degree in agricultural economics. In addition, the department offers courses to a large number of students from other departments and

supports pre-professional programs. The economics curriculum is designed to prepare students, in part, for entry into agricultural economics, graduate studies, technical professions, and education.

Policies.

knowledge and understanding	
knowledge and understanding	code
Knows the basic theories related to major sciences and engineering to form a foundation that enables him to understand advanced topics related to his field/profession.	LO#4.A1
Understand crop and animal production techniques, tools and equipment used in this field, and explain the role and importance of agriculture in the national and global economy.	LO#4.A2
Explains the concepts, ideas, theories, and methods used to understand the economic, social, natural, cultural, institutional, organizational, and political factors that affect the agricultural sector and rural areas, as well as national and international forces.	LO#4.A3
Skills	
Mental (intellectual) skills	code
Applies the characteristics and interrelationships of all stages of production in the agricultural sector, and has the ability to describe the basic concepts related to the efficient and sustainable use of resources; and has the ability to apply the basic economic principles used for this purpose	LO#1.B1
Apply basic economic principles to problems facing the agricultural sector.	LO#1.B2
Apply concepts of ecosystem, biodiversity, sustainability, rural resource management, planning, and the use of knowledge-based technology in crop production and marketing of animal products.	LO#1.B3
Writes skills and identifies the data required to analyze problems encountered in the agricultural sector, critically evaluates and uses that data, selects the appropriate model and framework for economic and social analysis, and evaluates the results	LO#1.B4
Scientific professional skills	code
Illustrates the economic and social data that will be used in the agricultural decision-making process using tables, graphs, and mathematical symbols.	LO#3.C1
Selects basic information techniques in the analysis of economic and social data, uses software designed for this purpose, and interprets the results.	LO#3.C2
Tests access to current and updated information in the agricultural economic field; and uses it to achieve benefit according to the specified purpose	LO#3.C3
Communication and Information Technology Skills	
Communication and Information Technology Skills (General Skills)	code
Communicates with relevant stakeholders in the agricultural economy and cooperates with stakeholders at the producer and organizational levels.	LO#2.D1
Proficient in a foreign language at a level sufficient to monitor professional developments and communicate with colleagues; uses information and communication technologies	LO#2.D2
values	

Attitudes/Beliefs (Values, Autonomy, Responsibility)	
Aware of his/her responsibilities in his/her field independently and in accordance with legal procedures; has the ability to provide advisory and supervisory services and expertise in these fields; and has the ability to join work teams	LO#5E1
Identify problems that may be encountered in the agricultural sector; the mandatory ethical principles of the profession, and be aware of the precise application of these principles	LO#5.E2
Knowledge and understanding.	

5. Academic Staff

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6. Credits, Grading and GPA

University of Mosul is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1 ECTS is equivalent to 25 hrs student workload, including structured and unstructured workload.

Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

GRADING SCHEME				
Group	Grade		Marks (%)	Definition
Success Group (50 - 100)	A - Excellent		90 - 100	Outstanding Performance
	B - Very Good		80 - 89	Above average with some errors
	C - Good		70 - 79	Sound work with notable errors
	D - Satisfactory		60 - 69	Fair but with major shortcomings
	E - Sufficient		50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail		(45-49)	More work required but credit awarded
	F – Fail		(0-44)	Considerable amount of work required
Note:				

Number Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

Calculation of the Cumulative Grade Point Average (CGPA)

1. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 4-year B.Sc. degree:

$$\text{CGPA} = [(1^{\text{st}} \text{ module score} \times \text{ECTS}) + (2^{\text{nd}} \text{ module score} \times \text{ECTS}) + \dots] / 240$$

7. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
UOM1031	COMPUTER	47	28	3.00	B	
UOM1040	DEMOCRACY and HUMAN RIGHTS	32	18	2.00	B	
UOM1021	ENGLISH LANGUAGE	32	18	2.00	B	
MAT1010	MATHEMATICS	63	112	7.00	B	
ACE1020	AGRICULTURE CAREER ETHICS	62	63	5.00	S	
END1030	ENGINEERING DRAWING	63	87	6.00	B	
AET1040	AGRICULTURAL ENGINEERING TECHNIQUES TRANSFER	63	62	5.00	C	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
UOM1011	ARABIC LANGUAGE	32	18	2.00	B	
BSS1050	BIOSAFETY and SECURITY	47	28	3.00	S	
AGS1060	AGRICULTURAL STATISTICS	78	47	5.00	C	
BIO1070	BIODIVERSITY	63	62	5.00	C	
AGI1080	AGRICULTURAL INFORMATICS	63	62	5.00	C	
SUD1090	SUSTAINABLE DEVELOPMENT	62	63	5.00	C	
AMT1100	AGRICULTURAL MARKETING TECHNIQUES	32	93	5.00	C	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
UOM1012	ARABIC LANGUAGE2	32	18	2.00	B	ARABIC LANGUAGE1
UOM2050	The CRIMES of the BATH REGIME in IRAQ	32	18	2.00	B	
IPM2110	INTEGRATED PEST MANAGEMENT	63	62	5.00	C	
AEM2120	AGRICULTURAL ENGINEERING PROJECT MANAGEMENT	78	72	6.00	C	
APT2130	AGRICULTURAL PRODUCTION MECHANIZATION TECHNIQUES	63	62	5.00	C	
APT2140	AGRICULTURAL PRODUCTION TECHNOLOGIES	63	62	5.00	C	
FTP2150	FOOD TECHNOLOGIES and HEALTH AGRICULTURAL PRODUCTS	63	62	5.00	C	

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
UOM2022	ENGLISH LANGUAGE2	32	18	2.00	B	
UOM2032	COMPUTER SKILLS	47	28	3.00	B	
DAE2160	DESIGN AND ANALYSIS of EXPERIMENTS	63	62	5.00	C	
DPF2170	DESIGN and PLANNING of AGRICULTURAL FACILITIES	63	62	5.00	C	
SWS21910	BENEFICIAL INSECTS	63	62	5.00	C	
SOWS227	SOIL and WATER SUITABILITY	63	62	5.00	C	
AWE2210	AGRICULTURAL WASTE TREATMENT ENGINEERING	63	62	5.00	C	

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
AFE3500	AGRICULTURAL and FOOD ECONOMICS	48	50	2.00	C	
OIA3510	ORGANIZATIONS and INTERNATIONAL RELATIONS AGRICULTURAL	63	12	3.00	B	
FBE3520	FARM BUSINESS ECONOMICS	63	62	5.00	C	
AGA3530	AGRICULTURAL ACCOUNTING	63	62	5.00	C	
MEA3540	MATHEMATICAL ECONOMICS ANALYSIS	63	62	5.00	C	
AMT3551	AGRICULTURAL MICROECONOMIC THEORY1	63	62	5.00	C	
FEB3640	FOOD ECONOMICS and CONSUMER BEHAVIOUR					

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ETS3560	ECONOMIC THOUGHT and SYSTEMS	48	52	4.00	C	
APE3570	AGRICULTURAL PRODUCTION ECONOMICS	63	62	5.00	C	
IAT3580	INTERNATIONAL AGRICULTURAL TRADE	63	62	5.00	C	
AED3590	AGRICULTURAL ECONOMICS DEVELOPMENT	63	62	5.00	C	
REM3600	RESEARCH METHODS	63	62	5.00	C	
AMT3552	AGRICULTURAL MICROECONOMIC THEORY2	63	62	5.00	C	
SEM3260	SEMINARS	17	8	1.00	C	

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
AOR4610	AGRICULTURAL OPERATIONS RESEARCH	63	12	3.00	C	
AMT4621	AGRICULTURAL MACROECONOMIC THEORY1	63	62	5.00	C	
AEP4630	AGRICULTURAL ECONOMICS POLICY	63	62	5.00	C	
APE4640	AGRICULTURAL PROJECTS EVALUATION	63	62	5.00	C	
AGE4651	AGRICULTURAL ECONOMETRICS1	63	62	5.00	C	
AEE4660	AGRICULTURAL ENVIRONMENT ECONOMICS	63	62	5.00	C	
AEP4290	AGRICULTURAL ENGINEERING PROJECT1	47	3	2.00	C	

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
FSE4680	FOOD SECURITY and NATURAL RESOURCES ECONOMICS	63	12	3.00	C	
AMT4622	AGRICULTURAL MACROECONOMIC THEORY2	63	62	5.00	C	
APA4690	AGRICULTURAL PRICE ANALYSIS	63	62	5.00	C	
AFL4700	AGRICULTURAL FINANCING and LENDING	63	62	5.00	C	
AGE4652	AGRICULTURAL ECONOMETRICS2	63	62	5.00	C	
SAT4310	SMART AGRICULTURAL TECHNIQUES	63	62	5.00	C	
AEP4292	AGRICULTURAL ENGINEERING PROJECT2	47	3	2.00	C	

8. Contact

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