University of Mosul

جامعة الموصل

Bachelor of Agriculture and Forestry (B.Sc)
Agricultural Economics

بكالوريوس الزراعة والغابات / الاقتصاد الزراعي

جامعة الموصل
زراعة والغابات
قسم الاقتصاد الزراعي

Contents

1. Mission and 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, 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 Specifications

Program: AJEC 1979, European 240 Points System

Duration: 4 levels, 8 semesters

Attendance: Full-time

He wrote something like:

Leadership and excellence in the fields of agricultural economics, which study economic problems related to individual efforts in the agricultural profession, apply economic theories and principles to agricultural activities, and explore means through which economic, natural, human, and capital resources can be exploited economically. The Department of Agricultural Economics seeks to prepare specialized and qualified scientific cadres capable of developing and growing the agricultural sector, equipping them with the skills and knowledge, and deepening scientific research, thus contributing to the preparation of graduates capable of keeping pace with developments in the labor market. The department also contributes to community service by providing consultations and training in areas of specialization to public and private institutions to develop their capabilities and those of their employees. The department's primary objective is to prepare graduates of preparatory studies (scientific stream) with broad scientific knowledge in the fields of agricultural economics. Upon graduation, they will obtain the degrees awarded by the department (Bachelor's, Master's, Doctorate) in agricultural sciences, the ultimate outcome of which the institution seeks to achieve through the development of a scientific and skill-based curriculum. Level 1 exposes students to the fundamentals of agricultural and forestry sciences and is suitable for progression to all programs within the Agricultural Sciences program group. Core program topics are covered at Level 2 in preparation for the research-based modules at Levels 3 and 4. Thus, undergraduate agricultural economics graduates are 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 fostered 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 credit-point library or data analysis project, or a fieldwork project. Academic teaching at Levels 1 and 2 is conducted with the same tutor, who also acts as a personal tutor, providing continuity and progressive guidance. Tuition at Levels 1 and 2 includes a number of skill-building workshops, such as library use and presentation skills, followed by assessed exercises, such as essays and talks, as opportunities to practice these skills in the context of a specific topic. International years and industry placements are also offered, and individual needs are discussed with the appropriate tutor and met where possible .

3. Program Objectives

1. To qualify specialized, trained scientific cadres with the scientific competencies 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 develop a modern, stimulating educational environment equipped with the latest technologies and advanced equipment that enables students to compete, innovate, and excel,

and fosters a desire to pursue continuous learning, self-development, skills, and the ability to enhance performance, work within a team, and make decisions in the field of agricultural economics.

3. To qualify cadres familiar with agricultural legislation, legal and social issues, and adhere to work ethics and quality management related to agricultural fields, particularly those related to agricultural economics.

4. To manage and utilize resources and address problems in agricultural facilities and projects efficiently and effectively in the field of agricultural economics, within the framework of preserving natural resources, biodiversity, and sustainable development.

5. To acquire language and computer skills, and to develop their ability to use scientific and practical approaches in research in the field of agricultural economics and contribute to solving related agricultural problems.

6. To analyze the ways in which humans, plants, and soil interact with the general environment with the aim of promoting the conservation of natural resources and environmental protection.

7. Evaluate soil and water properties and determine appropriate agricultural use patterns under different environmental conditions, while preserving soil from degradation and water from pollution, for a clean and sustainable environment.

8. Study the organizational structure of the agri-food sector and various agro-industrial supply chains, and develop business skills related to agricultural inputs.

9. Analyze and evaluate agricultural business problems and make management decisions using business software.

10. Possess the skills necessary to manage various types of agricultural businesses (from farms to restaurants).

11. The ability to identify and apply advanced production technologies in agriculture and agro-industrial activities.

12-The ability to identify and use diagnostic tools to address major problems affecting . agricultural raw materials and processed food products.

4- Student learning outcomes

1-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.A 1
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.A 2
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.A 3

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.B 1
.Apply basic economic principles to problems facing the agricultural sector	LO#1.B 2
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.B 3
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.B 4

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.C 1
Selects basic information techniques in the analysis of economic and social data, .uses software designed for this purpose, and interprets the results	LO#3.C 2
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.C 3

Communication and Information Technology Skills

munication 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.D 1
Proficient in a foreign language at a level sufficient to monitor professional	LO#2.D

developments and communicate with colleagues; uses information and communication technologies	2LO#5. D3

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.E 2

1-Learning Outcome 1

Identifying Complex Relationships

Graduates will be able to clarify the principles of agricultural economics and explain economic theories.

2-Learning Outcome 2

Oral and Written Communication

Graduates will be able to reach conclusions through data analysis.

3-Learning Outcome 3

Field Studies

Graduates will be able to collect data from farmers via questionnaires, study and analyze the data, and analyze the results.

4-Learning Outcome 4

Graduates will be able to use modern scientific methods to reach conclusions.

5-Learning Outcome 5

Graduates will be able to demonstrate the quantities obtained through analysis and their results.

Learning Outcome 6

Graduates will be able to use critical thinking skills to address problems and make proposals to address them.

5- Academic staff

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6. Credits, Grades, and Cumulative Grade Point Average

The University of Mosul follows the Bologna system in teaching its courses. The total number of courses in the undergraduate program is 240, with an average of 30 courses per semester. One course is equivalent to 25 hours of work, including structured and unstructured work.

Grading

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

Classification Scheme Grading Scheme				
Group	**(%) Marks**	**Grade**	**Group**	Definition
Success Group (100-50)	A - Excellent	Excellent	100 - 90	Outstanding Performance
	B - Very Good	Very Good	89 - 80	Above Average with some errors
	C - Good	Good	79 - 70	Voice work with noticeable errors
	D - Satisfactory	Average	69 - 60	Fair but with significant flaws
	E - Adequate	Acceptable	59 - 50	Work meets minimum standards
Failure Group (49-0)	FX - Fail	Fail - Under Central Processing	(49-45)	More work is required, but credit is given
	F - Fail	Fail	(44-0)	A significant amount of work is required
Decimal places above or below 0.5 will be rounded up to the highest or lowest whole mark (e.g., a mark of 54.5 will be rounded up to 55, while a mark of 54.4 will be rounded up to 54). The University has a zero-tolerance policy for 'near-pass failures', so the only adjustment to .marks awarded by the original examiners will be the automatic rounding described above				

Calculating the Cumulative Grade Point Average

The cumulative grade point average is calculated by adding the grades for each module .1 .multiplied by its ECTS, and dividing the total by the program's ECTS total

:GPA for a 4-year Bachelor of Science degree

GPA = [(First semester result × ECTS points) + (Second semester result × ECTS points) + ……] / 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	AGRICULTRAL 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	**SUSTANIBLE 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	**AGRICULTRAL 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 AGRICULTRAL 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**	63	62	5.00	C	

	SUITBILITY					
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	**AGRICULTRUAL 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	**AGRICULTRUAL ENGINEERING PROJECT2**	47	3	2.00	C	

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