

**Ministry of Higher Education and Scientific Research
Tikrit University
College of Agriculture
Department of Agricultural Economics and Extension**



Academic Program and Course

2025-2026



Academic Program Description Form

University Name: Tikrit University

Faculty/Institute: College of Agriculture

Scientific Department: Department of Agricultural Economics and Extension

Academic or Professional Program Name: Bachelor of Science in Agriculture/Agricultural Economics and Extension

Final Certificate Name: Bachelor of Science in Agriculture/Agricultural Economics and Extension

Academic System: Bologna

Description Preparation Date: 1/9/2025

File Completion Date: 1/9/2025

Signature:

Head of Department Name:

professor Dr. Raad Muhammad Nada

Date: 1/9/2025

The file is checked by:

Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance Department:
Professor Dr. Maysaloon Wail Ibraheem

Date: 14-9-2025

Signature:

Signature:

Scientific Associate Name:

Professor Dr. Mohammed saleh Mohammed

Date:



Signature:

Approval of the Dean

Dr. Sami Khader Saeed

14/9/2025

Tikrit UNIVERSITY

College of Agriculture



Bachelor of Economics and Agricultural Extension



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1. Mission & Vision Statement

Vision Statement

The Department of Agricultural Economics and Extension, with its available human resources, strives to prepare specialized scientific cadres that meet the demands of the labor market. These cadres are expected to excel in their fields by providing educational, research, and advisory services to the local community in the areas of agricultural economics and extension. This aims to achieve self-sufficiency in agricultural products and sustainable agricultural development.

Mission Statement

The Department of Agricultural Economics and Extension collaborates with other departments in fulfilling the mission of the college. It provides students with knowledge, information, and relevant economic and social skills in the fields of agricultural economics and extension. The program aims to equip students with the ability to analyze agricultural economic issues, propose innovative solutions to agricultural problems, and develop effective strategies to enhance agricultural production and the economic well-being of rural communities. Additionally, the program strengthens students' capabilities to deliver comprehensive extension services based on the latest research and scientific practices, supporting sustainable development and applying knowledge of economic and extension programs within the local community.

2. Program Specification

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

The program aims to prepare graduates who are well-qualified with the knowledge and skills in agricultural economics and extension, capable of engaging with the demands of the modern era and contributing to the development of Iraqi society on a solid scientific basis. The academic program structure for graduates of the Department of Agricultural Economics and Extension follows a combined system in the first and second levels. In the third level, the program becomes specialized, branching into two tracks: Agricultural Economics and Agricultural Extension. Each track focuses on equipping students with deep knowledge and skills in their respective fields, as detailed below :

First and Second Levels: At this stage, students study a combination of core courses in agricultural economics and extension, along with various agricultural courses covering different topics from the agricultural departments. The program aims to provide students with a comprehensive understanding of the agricultural field, preparing them for specialization in later stages.

Third and Fourth Levels (Agricultural Economics Track): The Agricultural Economics program in the third and fourth levels aims to equip students with the knowledge and skills necessary to analyze economic issues related to agriculture and efficiently use agricultural resources. The program covers key areas such as agricultural market analysis, agricultural project management, agricultural finance and credit, and international agricultural trade. Additionally, students learn how to guide policies and make economic decisions that enhance agricultural productivity and achieve sustainable development. The program also provides students with the ability to use economic analysis tools to solve complex agricultural problems.

Third and Fourth Levels (Agricultural Extension Track): The Agricultural Extension program in the third and fourth levels aims to equip students with the knowledge and skills necessary to provide support and guidance to farmers and rural communities, with the goal of improving agricultural productivity and achieving sustainable development. The program focuses on teaching students how to transfer modern agricultural technologies to farmers through effective communication and the design of field extension programs. Courses include topics such as agricultural extension, rural development, and social change, contributing to the development of the agricultural sector and improving the living standards of farmers .

3. Program Goals

The educational objectives of the program are as follows:

1. To prepare men and women to become successful agricultural engineers.
2. To equip graduates with a high level of competence, enabling them to transfer academic knowledge and experience through employment in both the public and private sectors.
3. To conduct economic, financial, and marketing studies, as well as feasibility analyzes for various agricultural projects.
4. The program aims to prepare graduates capable of addressing contemporary agricultural challenges by integrating economics and extending to promote sustainable development in the agricultural sector.
5. To strengthen the connection between the department and various state institutions through graduate student research, which provides solutions to agricultural problems.
6. To contribute to community service by preparing cadres capable of conducting extension activities, such as organizing courses, scientific seminars, and providing consultancy services.
7. To prepare graduates capable of pursuing postgraduate studies, with a commitment to continuous professional development and lifelong learning.
- 8.

4- Student Learning Outcomes

- 1- Comprehensive knowledge of economic concepts and theories related to agriculture, including market analysis, marketing strategies, agricultural policies, financial and monetary policies affecting agricultural finance, economic development in agriculture, and economic feasibility studies.
- 2- Understanding the principles and foundations of agricultural extension and its importance in developing the agricultural sector.
- 3- Understanding how to manage agricultural resources sustainably to improve productivity and efficiency.
- 4- Ability to design and implement effective agricultural extension programs based on the needs of farmers and rural communities.
- 5- Capability to conduct applied scientific studies that contribute to solving agricultural sector problems through data analysis and field research.
- 6- Ability to communicate effectively with farmers and various stakeholders in the agricultural sector, providing guidance and extension services.

5- Academic Staff

Email	Specialization	Scientific title	Certificate	Instructor's Name	T
yasmeenhatem@st.tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Yasmin Hatem Hassan Jumaa Al-Samarrai	1
Najlaasalah88@tu.edu.iq	agricultural economy	assistant professor	PhD	Najla Salah Madloul Ahmed Al-Samarrai	2
Shala-k-isma@st.tu.edu.iq	Agricultural economy	teacher	PhD	Shahla Kamel Ismail Hamad Al-Abbasi	3
dr.Jadoo60@tu.edu.iq	agricultural economy	.Mr	PhD	'Jadou Shehab Ahmed Ali Al-Jumaili	4
Mohmood.H@tu.edu.iq	Agricultural guidance	.Mr	Master's	Mahmoud Hadis Jassim Malouh Al-Jumaili	5
majid-6111@tu.edu.iq	Agricultural guidance	.Mr	Master's	Majed Khalil Ali Mohsen Al-Zubaidi	6
usraa_tariq@tu.edu.iq	agricultural economy	.Mr	PhD	Yusra Tariq Bakr Hussein Al-Bajari	7
firas.ibrahim@tu.edu.iq	agricultural economy	Mr	PhD	Firas Ibrahim Arhim Khaloufi Al-Lahibi	8
mohmeedomear@tu.edu.iq	agricultural economy	assistant professor	PhD	Mohammed Omar Sharif Hazza Al-Tikriti	9
omeradil@tu.edu.iq	agricultural economy	teacher	PhD	Omar Adel Jassim Mohammed Al-Ani	10
hashem.a.abd@tu.edu.iq	agricultural economy	teacher	PhD	Hashim Atallah Abdul Eid Al-Tai	11
adnan.ali.ati@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Adnan Ali Ati Khalaf Al- Fariji	12
alhanony@tu.edu.iq	economy	assistant professor	Master's	Mohammed Kamel Abdullah	13

				Nasser Al-Azzawi	
Raafat.riyadh@tu.edu.iq	Agricultural guidance	assistant professor	Master's	Raafat Riad Abdel Wahab Samir Al-Fayyadhi	14
munther_saber@tu.edu.iq	agricultural economy	teacher	PhD	Munther Saber Mustafa Abdullah Al-Nasiri	15
mohanad_abdkareem@tu.edu.iq	business management	teacher	PhD	Muhammad Abdul Karim Armidh Numan Al-Douri	16
hadeel_falih@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Hadeel Faleh Hameed Mohammed Al-Shammari	17
sara.s011@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Sarah Saeed Latif Hussein Al-Zubaidi	18
riad_saeed@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Riyadh Saeed Hamoud Nassif Al-Obaidi	19
bashar.awad@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Bashar Awad Musa Khalaf Al-Dulaimi	20
dr.majeed@tu.edu.iq	Agricultural guidance	Mr	PhD	Majid Hadi Saleh Mahal Al-Hamdani	21
elaf.t.hamid@tu.edu.iq	agricultural economy	teacher	PhD	Elaf Taha Hamid Jassim Al-Douri	22
ahmed.s.abdullah@tu.edu.iq	Agricultural guidance	assistant professor	Master's	Ahmed Sakr Abdullah Hassan Al-Ajili	23
moh-jas83@tu.edu.iq	economy	Assistant teacher	Master's	Mohammed Jassim Abdullah Mohammed Al-Jumaili	24
saad.k.mhawes@tu.edu.iq	economy	Assistant teacher	Master's	Saad Khalaf Mahous Hamad Al-Jubouri	25

maha.saeed@tu.edu.iq	Agricultural guidance	assistant professor	Master's	Maha Saeed Shada Jumaa Al-Nasiri	26
Mezhir.ad@tu.edu.iq	business management	assistant professor	Master's	Mazhar Abdullah Ahmed Abbas Al-Dulaimi	27
ibraheem_mohameed@tu.edu.iq	General Administration	teacher	Master's	Ibrahim Mohammed Saleh Dhunoun Al-Jubouri	28
arwa.osama.ibrahim@st.tu.edu.iq	agricultural economy	teacher	PhD	Arwa Osama Ibrahim Mohammed Al-Jaafari	29
hadeelghaleb@tu.edu.iq	agricultural economy	teacher	PhD	Hadeel Ghaleb Hassan Mohammed Al-Douri	30
manar_saleh@tu.edu.iq	agricultural economy	teacher	PhD	Manar Saleh Hamad Hassan Al-Obaidi	31
waleedsabbar@tu.edu.iq	Agricultural guidance	teacher	PhD	Walid Sabbar Ayed Hassan Al-Shammari	32
dr.maher.mostafa@tu.edu.iq	agricultural economy	teacher	PhD	Maher Mustafa Shabib Ghadhban Al-Jubouri	33
tasneemsaad@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Tasneem Saad Yassin Latif Al-Tikriti	34
emad_muzaham@tu.edu.iq	agricultural economy	teacher	PhD	Emad Muzahim Mohammed Marmous Al-Janabi	35
nubras.r.shaker@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Nibras Rabee Shaker Mahmoud Al-Nasseri	36
sara2021@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Sarah Marbad Taha Bakr Al-Obaidi	37

mahmoodesam@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Mahmoud Essam Suleiman Moussa Al-Bazouni	38
amani.a.fadel@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Amani Abbas Fadel Aziz Al-Dulaimi	39
safa_ayad@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Safa Ayad Younis Mahmoud Al-Tikriti	40
hassan.h009@tu.edu.iq	economy	Assistant teacher	Master's	Hassan Haitham Ismail Abdul-Razzaq Al-Tikriti	41
nothing	economy	Assistant teacher	Master's	Maher Taif Maher Hassan Al-Ghadiri	42
amna.h.maayoof@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Amina Hamid Ma'youf Talian Al-Anzi	43
omar.baban777@tu.edu.iq	agricultural economy	teacher	PhD	Omar Baban Abdullah Salman Al-Jubouri	44
Khalaf.Jassim@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Jassim Saleh Khalaf Al-Jubouri	45
Al.Ayash@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Ali Ibrahim Ayash Muhammad Al-Jubouri	46
sara.lazem@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Sarah Lazem Mohammed Khattab Al-Dulaimi	47
sajeed.nabeel@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Sajid Nabil Abdulaziz Abdulkarim Al-Badri	48
omar.a.daham@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Omar Ali Daham Mohammed Al-Douri	49
taeiq.z.khalaf@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Tariq Ziad Khalaf Hussein	50

rawaida.a.chachan@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Ruwaida Aziz Jajan Rawdat Al-Qaisi	51
rasha_raad@tu.edu.iq	Agricultural guidance	Assistant teacher	Master's	Rasha Raad Jaber Sakran Al-Nasiri	52
nawaf.m.humaidy@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Nawaf Mu'ayyad Hamidi Jassim Al-Hamdani	53
safaa.h.salih789@tu.edu.iq	agricultural economy	Assistant teacher	Master's	Safaa Hafez Saleh Hammadi Al-Majma'i	54

6. Credits, Grading and GPA

Credits

Tikrit University follows Bologna Learning 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 Grade chart				
Group	Grade	Appreciation	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	privilege	90 - 100	Outstanding Performance
	B - Very Good	very good	80 - 89	Above average with some errors
	C - Good	good	70 - 79	Sound work with notable errors
	D - Satisfactory	middle	60 - 69	Fair but with major shortcomings
	E Sufficient	acceptable	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX – Fail	Accepted by decision	(45-49)	More work Required but credit awarded
	F – Fail	Precipitate	(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)

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:

$$\text{CGPA} = [(1^{\text{st}} \text{ module score} \times \text{ECTS}) + (2^{\text{nd}} \text{ module score} \times \text{ECTS}) + \dots] / 24$$

7. Curriculum/Modules

Semester 1 | 30 ECTS

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREE -01	Principles of Agricultural Economics	Principles of Agricultural Economics	78	97	7.00	C	
AGREE -02	Principles of Agricultural Extension	Principles of agricultural extension	78	72	6.00	C	
AGREE -03	Principles of Animal Production	Principles of Animal Production	78	47	5.00	B	
AGREE -04	Principles of Horticulture	Principles of gardening	78	47	5.00	B	
UOT003	Computer Applications	computer applications	63	12	3.00	B	
UOT002	English Language	English language	33	17	2.00	B	
UOT004	Democracy and Human Rights	Democracy and human rights	33	17	2.00	B	

Semester 2 | 30 ECTS

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREE -05	Rural Sociology	rural sociology	78	47	5.00	C	
AGREE -06	Principles of Field Crops	Principles of field crops	78	47	5.00	B	
AGREE -07	Agricultural Machinery and Equipment	Agricultural machinery and equipment	78	22	4.00	B	
AGREE -08	Engineering Drawing	engineering drawing	63	37	4.00	B	
AGREE -09	Mathematics	mathematics	78	47	5.00	B	
UOT001	Arabic Language	Arabic	33	17	2.00	B	
AGREE -10	Principles of Plant Protection	Principles of plant protection	78	47	5.00	B	

Semester 3| 30 ECTS

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREE -11	Principles of Statistics	Principles of Statistics	78	72	6.00	C	
AGREE -12	Adult Education	adult education	78	72	6.00	C	
AGREE -1 3	Principles of Soil and Water	Principles of soil and water	78	47	5.00	B	
AGREE -1 4	Agricultural Technology Transfer	Transfer of agricultural technologies	78	72	6.00	C	
UOT005	Crimes of the Ba'ath Party	Ba'ath Party crimes	33	17	2.00	B	
AGREE -1 5	Computer Applications 2	Computer Applications 2	48	27	3.00	B	UOT004
AGREE -16	English Language 2	English Language 2	33	17	2.00	B	

Semester 4| 30 ECTS

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREE -17	Smart Farm Management	Smart farm management	78	72	6.00	C	
AGREE -18	Agricultural Marketing	Agricultural marketing	78	72	6.00	C	
AGREE -19	Social Psychology	Social psychology	78	72	6.00	C	
AGREE -20	Principles of Food Science	Principles of Food Science	78	47	5.00	B	
AGREE -21	Plane surveying	flat area	78	47	5.00	B	
	Arabic Language 2	Arabic Language 2	33	17	2.00	B	

Semester 5| Economic Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREC -22	Microeconomic Theory 1	Microeconomic Theory/1	78	47	5.00	C	
AGREC -23	Macroeconomics 1	Macroeconomics 1 /	78	47	5.00	C	
AGREC -24	Agricultural Accounting	Agricultural accounting	78	47	5.00	C	
AGREC -25	Mathematical Economics	Mathematical economics	78	47	5.00	C	
AGREC -26	Agricultural Price Analysis	Agricultural price analysis	78	47	5.00	C	
AGREC -27	Agricultural Economic Development	Agricultural economic development	78	47	5.00	C	

Semester 6| Economic Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREC -28	Microeconomic Theory 2	Microeconomic Theory/2	78	47	5.00	C	AGREC -22
AGREC -29	Macroeconomics 2	Macroeconomics 2 /	78	47	5.00	C	AGREC -23
AGREC -30	Cost Accounting	Cost accounting	78	47	5.00	C	AGREC -24
AGREC -31	Agricultural Foreign Trade	agricultural foreign trade	78	47	5.00	C	
AGREC -32	Agricultural Production Economics	Agricultural production economics	78	47	5.00	C	
AGREC -33	Risk Management and Food Security	Risk management and food security	78	47	5.00	C	

Semester 5| Extension Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREX -22	Social Statistics	Social statistics	78	47	5.00	C	
AGREX -23	Rural Community Development	Rural community development	78	47	5.00	C	
AGREX -24	Rural Leadership	rural leadership	78	47	5.00	C	
AGREX -25	Dissemination and Adoption of Innovations	Disseminating and adopting innovations	78	47	5.00	C	
AGREX -26	Agricultural Extension Methods	Agricultural extension methods	78	47	5.00	C	
AGREX -27	Research Methods	Research methods	78	47	5.00	C	

Semester 6| Extension Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREX-28	Extension Communication Methods	Guidance communication methods	78	47	5.00	C	
AGREX -29	Measurement Methods	Measurement methods	78	47	5.00	C	
AGREX -30	Group Dynamics	Group dynamics	78	47	5.00	C	
AGREX -31	Extension Aids and Media	Guidance tools and aids	78	47	5.00	C	
AGREX -32	Sustainable Agricultural Development	Sustainable agricultural development	78	47	5.00	C	
AGREX -33	Environmental Guidance	Environmental guidance	78	47	5.00	C	

Semester 7 | Economic Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREC -34	Econometrics 1	Econometrics / 1	78	72	6.00	C	
AGREC -35	Agricultural Legislation and Policy	Agricultural legislation and policy	78	47	5.00	C	
AGREC -36	Natural Resource Economics	Natural resource economics	78	47	5.00	C	
AGREC -37	Agricultural Finance and Credit	Agricultural financing and lending	78	72	6.00	C	
AGREC -38	Research Methods	Research methods	78	47	5.00	C	
AGREC -39	Seminars	seminars	33	42	3.00	C	

Semester 8 | Economic Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREC -40	Econometrics 2	Econometrics / 2	78	72	6.00	C	AGREC -34
AGREC -41	Agricultural Planning	Agricultural planning	78	47	5.00	C	
AGREC -42	Agricultural Project Evaluation	Agricultural project evaluation	78	72	6.00	C	
AGREC -43	Fiscal and Monetary Policy	fiscal and monetary policy	78	47	5.00	C	
AGREC -44	Economic Thought and Systems	Economic thought and systems	78	47	5.00	C	
AGREC -45	Graduation Research Project	Graduation research project	33	42	3.00	C	AGREC -39

Semester 7 | Extension Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREX -34	Extension Management	Guidance Management	78	47	5.00	C	
AGREX -35	Extension Program Planning	Planning guidance programs	78	72	6.00	C	AGREX -25
AGREX -36	Extension Training	Guidance training	78	72	6.00	C	
AGREX -37	Extension Environment	Guidance environment	78	47	5.00	C	
AGREX -38	Theories of Social Change	Theories of social change	78	47	5.00	C	
AGREX -39	Seminars	seminars	33	42	3.00	C	

Semester 8 | Extension Agriculture (30 ECTS)

Code	Module Name in English	Name of the subject	SSWL	USSWL	ECTS	Type	Pre-request
AGREX -40	Rural Women's Extension	Guiding a rural woman	78	72	6.00	C	
AGREX -41	Evaluation of Extension Programs	Evaluation of guidance programs	78	72	6.00	C	
AGREX -42	Educational Psychology	Educational Psychology	78	47	5.00	C	
AGREX -43	Public Relations	Public Relations	78	47	5.00	C	
AGREX -44	Agricultural Extension Methods	Agricultural extension programs	78	47	5.00	C	
AGREX -45	Graduation Research Project	Graduation research project	33	42	3.00	C	

8. Contact

Head Department:

Dr. Raad Muhammad Nada

University of Tikrit- College of Agriculture

Department of Economics and Agricultural Extension

Mobile: 07703059515

Email: Rad_aljanabi@tu.edu.iq

Director of the Department:

Asst. Prof. Ahmed Saker Abdullah

University of Tikrit

College of Agriculture

Department of Economics and Agricultural Extension

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Program Coordinator:

Asst. Prof. Raafat Riad Abdel Wahab University of Tikrit

College of Agriculture

Department of Economics and Agricultural Extension

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| 2025-2026 | Curriculum Guide

TIKRIT UNIVERSITY

College of Agriculture



Bachelor of Economics and Agricultural Extension

Bachelor's degree in Economics and Agricultural Extension





		 Republic of Iraq - Ministry of Higher Education and Scientific Research University of Tikrit Bachelor of Economics and Agricultural Extension (First cycle) Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr. Program Curriculum (2025 - 2024)					جمهورية العراق - وزارة التعليم العالي والبحث العلمي جامعة تكريت بكالوريوس في الاقتصاد والإرشاد الزراعي (الدورة الأولى) أربع سنوات (ثمانية فصول دراسية) - 240 وحدة ائتمانية - كل وحدة ائتمانية = 25 ساعة المنهاج الدراسي للعام 2026-2025													
Level	Semester	No.	Module code	Module Name in English	اسم المادة الدراسية	Language	CL (hr/w)	Leat (hr/w)	Lab (hr/w)	SSWL (hr/w) Lc (hr/w)	Tut (hr/w)	Sempr (hr/w)	Exam (hr/w)	SSWL (hr/w)	USSW (hr/w)	SWL (hr/w)	ECTS	Module Type	Prerequisite Module(s) Code	
UGI	one	1	AGHbb-01	Principles of Agricultural Economics	مبادئ اقتصاد زراعي	Arabic	2			3			3	78	97	175	7.00	C		
		2	AGHbb-02	Principles of Agricultural Extension	مبادئ إرشاد زراعي	Arabic	2			3			3	78	72	150	6.00	C		
		3	AGHbb-03	Principles of Animal Production	مبادئ إنتاج حيواني	Arabic	2			3			3	78	47	125	5.00	B		
		4	AGHbb-04	Principles of Horticulture	مبادئ بستنة	Arabic	2			3			3	78	47	125	5.00	B		
		5	UOT005	Computer Applications	تطبيقات حاسوب	Arabic	1		2				3	48	27	75	3.00	B		
		6	UOT002	English Language	اللغة الإنكليزية	English	2						3	33	17	50	2.00	B		
		7	UOT004	Democracy and Human Rights	الديمقراطية وحقوق الإنسان	Arabic	2						3	33	17	50	2.00	B		
							Total	13	0	8	6	0	0	21	441	306	750	30.00		
	two	1	AGHbb-05	Rural Sociology	علم الاجتماع الريفي	Arabic	2			3			3	78	47	125	5.00	C		
		2	AGHbb-06	Principles of Field Crops	مبادئ محاصيل حقلة	Arabic	2			3			3	78	47	125	5.00	B		
		3	AGHbb-07	Agricultural Machinery and Equipment	مكائن وآلات زراعية	Arabic	2		2				3	63	37	100	4.00	B		
		4	AGHbb-08	Engineering Drawing	رسم هندسي	Arabic	0		2				3	33	67	100	4.00	B		
		5	AGHbb-09	Mathematics	رياضيات	Arabic	2				3		3	78	47	125	5.00	B		
		6	UOT001	Arabic Language	اللغة العربية	Arabic	2						3	33	17	50	2.00	B		
7		AGHbb-10	Principles of Plant Protection	مبادئ وقاية نبات	Arabic	2			3			3	78	47	125	5.00	B			
						Total	12	0	10	6	0	0	21	441	306	750	30.00			

Level	Semester	No.	Module code	Module Name in English	اسم المادة الدراسية	Language	CL (hr/w)	Leat (hr/w)	Lab (hr/w)	SSWL (hr/w) Lc (hr/w)	Tut (hr/w)	Sempr (hr/w)	Exam (hr/w)	SSWL (hr/w)	USSW (hr/w)	SWL (hr/w)	ECTS	Module Type	Prerequisite Module(s) Code
UGII	Three	1	AGREE-11	Principles of Statistics	مبادئ الإحصاء	Arabic	2			3			3	78	72	150	6.00	C	
		2	AGREE-12	Adult Education	تعليم كبار	Arabic	2			3			3	78	72	150	6.00	C	
		3	AGREE-13	Principles of Soil and Water	مبادئ تربة ومياه	Arabic	2			3			3	78	47	125	5.00	B	
		4	AGREE-14	Agricultural Technology Transfer	نقل تقنيات زراعية	Arabic	2			3			3	78	72	150	6.00	C	
		5	UOT006	Crimes of the Ba'ath Party	جرائم حزب البعث	Arabic	2						3	33	17	50	2.00	B	
		6	AGREE-16	Computer Applications 2	تطبيقات حاسوب 2	Arabic	1		2				3	48	27	75	3.00	B	UOT005
		7	AGREE-18	English Language 2	اللغة الإنكليزية 2	English	2						3	33	17	50	2.00	B	UOT002
						Total	13	0	5	9	0	0	21	426	324	750	30.00		
	Four	1	AGREE-17	Smart Farm Management	إدارة المزارع الذكية	Arabic	2			3			3	78	72	150	6.00	C	
		2	AGREE-18	Agricultural Marketing	تسويق زراعي	Arabic	2			3			3	78	72	150	6.00	C	
		3	AGREE-19	Social Psychology	علم نفس اجتماعي	Arabic	2			3			3	78	72	150	6.00	C	
		4	AGREE-20	Principles of Food Science	مبادئ علوم الاغذية	Arabic	2			3			3	78	47	125	5.00	B	
		5	AGREE-21	Plane surveying	المساحة المستوية	Arabic	2			3			3	78	47	125	5.00	B	
		6		Arabic Language 2	اللغة العربية 2	Arabic	2						3	33	17	50	2.00	B	UOT001
					Total	12	0	6	9	0	0	18	423	327	750	30.00			

Level	Semester	No.	Module code	Module Name In English	اسم المادة الدراسية	Language	SSWL (bp/w)							Exam bp/cap	SSWL bp/cap	USSW bp/cap	SWL bp/cap	ECTS	Module Type	Prerequisite Module(s) Code
							CL (bp/w)	Leat (bp/w)	Lab (bp/w)	Pc (bp/w)	Tut (bp/w)	Sempr (bp/w)								
UGIII	Five / Economic Agriculture	1	AGREC -22	Microeconomic Theory 1	نظرية اقتصادية جزئية 1	Arabic	2		3					3	78	47	125	5.00	C	
		2	AGREC -23	Macroeconomics 1	اقتصاد كلي / 1	Arabic	2		3					3	78	47	125	5.00	C	
		3	AGREC -24	Agricultural Accounting	محاسبة زراعية	Arabic	2		3					3	78	47	125	5.00	C	
		4	AGREC -25	Mathematical Economics	الاقتصاد الرياضي	Arabic	2		3					3	78	47	125	5.00	C	
		5	AGREC -26	Agricultural Price Analysis	تحليل الأسعار الزراعية	Arabic	2		3					3	78	47	125	5.00	C	
		6	AGREC -27	Agricultural Economic Development	التنمية الاقتصادية الزراعية	Arabic	2		3					3	78	47	125	5.00	C	
		Total						12	0	18	0	0	0	18	468	282	750	30.00		
	Six / Economic Agriculture	1	AGREC -28	Microeconomic Theory 2	نظرية اقتصادية جزئية 2	Arabic	2		3					3	78	47	125	5.00	C	AGREC -22
		2	AGREC -28	Macroeconomics 2	اقتصاد كلي / 2	Arabic	2		3					3	78	47	125	5.00	C	AGREC -23
		3	AGREC -30	Cost Accounting	محاسبة تكاليف	Arabic	2		3					3	78	47	125	5.00	C	AGREC -24
		4	AGREC -31	Agricultural Foreign Trade	التجارة الخارجية الزراعية	Arabic	2		3					3	78	47	125	5.00	C	
		5	AGREC -32	Agricultural Production Economics	اقتصاديات انتاج زراعي	Arabic	2		3					3	78	47	125	5.00	C	
		6	AGREC -33	Risk Management and Food Security	إدارة المخاطر والامن الغذائي	Arabic	2		3					3	78	47	125	5.00	C	
		Total						12	0	18	0	0	0	18	468	282	750	30.00		

Level	Semester	No.	Module code	Module Name In English	اسم المادة الدراسية	Language	SSWL (bp/w)							Exam bp/cap	SSWL bp/cap	USSW bp/cap	SWL bp/cap	ECTS	Module Type	Prerequisite Module(s) Code
							CL (bp/w)	Leach (bp/w)	Lab (bp/w)	Pr (bp/w)	Tut (bp/w)	Sempr (bp/w)								
UGIII	Five / Agriculture Extension	1	AGIREX -22	Social Statistics	إحصاء اجتماعي	Arabic	2		3					3	78	47	125	5.00	C	
		2	AGIREX -23	Rural Community Development	تنمية مجتمع ريفي	Arabic	2		3					3	78	47	125	5.00	C	AGIREX -23
		3	AGIREX -24	Rural Leadership	قيادة ريفية	Arabic	2		3					3	78	47	125	5.00	C	
		4	AGIREX -25	Dissemination and Adoption of Innovations	نشر وتبني مبتكرات	Arabic	2		3					3	78	47	125	5.00	C	
		5	AGIREX -26	Agricultural Extension Methods	طرائق ارشاد زراعي	Arabic	2		3					3	78	47	125	5.00	C	
		6	AGIREX -27	Research Methods	طرق بحث	Arabic	2		3					3	78	47	125	5.00	C	
		Total						12	0	18	0	0	0	18	468	282	750	30.00		
	Six / Agriculture Extension	1	AGIREX -28	Extension Communication Methods	أساليب اتصال ارشادي	Arabic	2		3					3	78	47	125	5.00	C	
		2	AGIREX -29	Measurement Methods	أساليب قياس	Arabic	2		3					3	78	47	125	5.00	C	
		3	AGIREX -30	Group Dynamics	ديناميكية الجماعة	Arabic	2		3					3	78	47	125	5.00	C	AGIREX -24
		4	AGIREX -31	Extension Aids and Media	وسائل ومعينات ارشادية	Arabic	2		3					3	78	47	125	5.00	C	
		5	AGIREX -32	Sustainable Agricultural Development	تنمية زراعية مستدامة	Arabic	2		3					3	78	47	125	5.00	C	
		6	AGIREX -33	Environmental Guidance	ارشاد بيئي	Arabic	2		3					3	78	47	125	5.00	C	
		Total						12	0	18	0	0	0	18	468	282	750	30.00		

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TIKRIT UNIVERSITY

College of Agriculture



Bachelor of Economics and Agricultural Extension



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1. Overview

This guide outlines the courses offered by the Department of Agricultural Economics and Extension program for obtaining a bachelor's degree. The program provides 50 courses for the Agricultural Economics track and 50 courses for the Agricultural Extension track, with a total student workload of 6,000 hours and 240 ECTS (European Credit Transfer and Accumulation System) credits for each track. In addition to these courses, the program includes requirements for a final project and summer internship. The course delivery is based on the Bologna Process.

Overview

This guide outlines the coursework offered by the Department of Agricultural Economics and Extension program leading to a Bachelor's degree . The program offers 50 courses in Agricultural Economics and 50 courses in Agricultural .Extension, with a total of 6,000 credit hours and 240 ECTS credits for each branch In addition to the requirements for the graduation project and summer internship .the delivery of course materials is based on the Bologna Process ,

2. Undergraduate Courses 202 6-202 5

1

Code	Course/Module Title	ECTS	Semester
AGREE -01	Principles of Agricultural Economics Principles of Agricultural Economics	7	1
Class (hr /w)	Lect /Lab./ Prac ./ Tutor	SSWL (hr / sem)	USWL (hr /w)
2	3	78	97
Description			
<p>The Principles of Agricultural Economics course focuses on understanding the relationship between agriculture and the economy. It reviews fundamental concepts such as supply and demand, cost and revenue, and the impact of agricultural policies on the market. It also covers the concept of the economic problem, microeconomics and macroeconomics, and economic systems . The course aims to equip students with the necessary tools to analyze agricultural economic issues and contribute to sustainable ,development. A variety of teaching methods are used, including lectures, discussions and practical projects, to enhance understanding and application.</p>			

2

Code	Course/Module Title	ECTS	Semester
AGREE -02	Principles of agricultural extension Principles of Agricultural Extension	6	1
Class (hr /w)	Lect /Lab./ Prac ./ Tutor	SSWL (hr / sem)	USWL (hr /w)
2	3	78	72
Description			
<p>The Principles of Agricultural Extension course aims to provide students with a comprehensive understanding of the role of extension in improving agricultural production and promoting rural development. The course covers fundamental concepts such as the importance of Goals and philosophy of guidance The course covers agricultural education , emphasizing the importance of communication with farmers and assessing their needs. It also explores extension teaching methods and tools, as well as program planning and evaluation . A variety of teaching methods are employed , including lectures, discussions, and practical activities, to prepare students to meet the challenges of the agricultural sector and contribute to achieving sustainable development.</p>			

3

Code	Course/Module Title	ECTS	Semester
AGREE -03	Principles of Animal Production Principles of Animal Production	5	1
Class (hr /w)	Lect / <u>Lab</u> ./ <u>Prac</u> ./ <u>Tutor</u>	SSWL (hr / sem)	USWL (hr /w)
2	3	78	47
Description			
<p>The Principles of Animal Production course aims to provide the fundamentals of raising and ,managing animals on farms . It covers the main types of productive animals, such as cattle sheep, buffalo, and goats , and reviews the concepts of nutrition, breeding, and healthcare. The course also discusses the factors affecting productivity and the quality of animal products. It enhances students' understanding of the importance of animal production to food security and ,economic development. A variety of teaching methods are used, including lectures discussions, and practical projects, to promote understanding and application.</p>			

4

Code	Course/Module Title	ECTS	Semester
AGREE -04	Principles of gardening Principles of Horticulture	5	1
Class (hr /w)	Lect / <u>Lab</u> ./ <u>Prac</u> ./ <u>Tutor</u>	SSWL (hr / sem)	USWL (hr /w)
2	3	78	47
Description			
<p>The Principles of Horticulture course aims to introduce students to the fundamentals of ,horticultural plant cultivation. The course covers various types of crops, such as fruits vegetables , and flowers. The course covers proper farming techniques, care, and nutrition. It also discusses environmental factors affecting plant growth and the importance of pest management. The course focuses on sustainable farming methods and modern horticultural .practices. It includes practical field activities to enhance applied understanding</p>			

5

Code	Course/Module Title	ECTS	Semester
UOT003	computer applications Computer Applications	3	1
Class (hr /w)	Lect /Lab./ <u>Prac .</u> / Tutor	SSWL (hr / sem)	USWL (hr /w)
2	2	63	12
Description			
<p>The "Computer Applications" course covers computer fundamentals , input and output devices, the taskbar, folder creation, printing, and software usage. The various , and getting acquainted with operating ,systems - operating system basics . Through studying the evolution of computer science over time students will gain a broad perspective on this field and its importance in contemporary society. By combining theoretical knowledge and practical applications, this unit provides students with the necessary foundation to pursue further studies or careers in computer science.</p>			

6

Code	Course/Module Title	ECTS	Semester
UOT002	English language English Language	2	1
Lectures (hr /w)	Lab./ <u>Prac./ Tutor .</u>	SSWL (hr / sem)	USSWL (hr /w)
2	0	33	17
Description			
<p>This course is structured to equip students with essential oral and written communication skills necessary for effective interaction in both academic and professional settings, addressing both experts in their field and non-specialists. Subsequently, students will learn to apply these skills in conducting technical presentations and engaging in group discussions.</p>			

7

Code	Course/Module Title	ECTS	Semester
UOT004	Democracy and human rights Democracy and Human Rights	2	1
Lectures (hr /w)	Lab./ Prac./ Tutor	SSWL (hr / sem)	USSWL (hr /w)
2	0	33	17
Description			
<p>This course introduces students to the human rights that all human beings should enjoy simply ,because we are human beings. These rights are inherent in all people regardless of their race gender, nationality , or religion. Granted by any country, this material covers human and children's rights in ancient and Islamic civilizations, international conventions, sources and guarantees of human rights, laws and constitutions, the Human Rights Council, and ,globalization. It also defines democracy, exploring its concept, historical roots, components characteristics, features, guarantees, and its relationship to (the constitution, civil society institutions, human rights, good governance, elections), as well as contemporary democracy.</p>			

8

Code	Course/Module Title	ECTS	Semester
AGREE -05	rural sociology Rural Sociology	5	2
Lectures (hr /w)	Lab./ Prac./ Tutor (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	3	78	47
Description			
<p>.Rural sociology aims to study the social, economic, and cultural relations in rural communities The course focuses on analyzing the structure of rural society and the changes it undergoes as a result of development, migration , integration , adaptation, and social control. It addresses topics such as social patterns in rural areas, the impact of environmental and economic factors ,on social relations, and examines social problems in rural areas such as poverty .unemployment, and migration</p>			

9

Code	Course/Module Title	ECTS	Semester
AGREE -06	Principles of field crops Principles of Field Crops	5	2
Lectures (hr /w)	Lab. / Prac . / Tutor.	SSWL (hr / sem)	USSWL (hr /w)
2	3	78	47
Description			
<p>"Principles of Field Crops" aims to introduce students to the fundamentals of agricultural crop production. The course covers the different types of field crops and their classification, as well as the optimal environmental conditions for their growth. It focuses on factors affecting productivity, such as soil, climate, and irrigation methods, while also examining modern farming techniques to increase yield and improve quality. The course also addresses the principles of pest and disease management, harvesting, and crop storage. It aims to equip students with the knowledge and skills necessary for efficient and sustainable crop production with a focus on achieving food security and improving agricultural output.</p>			

10

Code	Course/Module Title	ECTS	Semester
AGREE -07	Agricultural machinery and equipment Agricultural Machinery and Equipment	4	2
Lectures (hr /w)	Lab./ Prac./ Tutor (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	3	78	22
Description			
<p>The "Agricultural Machinery and Equipment" course aims to introduce students to modern technologies used in agricultural mechanization. It covers various types of agricultural machinery and equipment, such as tractors, harvesters , planting implements, and irrigation equipment. The course focuses on the operation and maintenance of these machines to ensure their efficiency and their role in improving productivity and reducing human effort. It also examines the fundamental principles of designing and selecting appropriate agricultural equipment for different conditions. Furthermore, the course aims to equip students with the necessary skills to effectively manage and operate agricultural equipment in the field.</p>			

11

Code	Course/Module Title	ECTS	Semester
AGREE -08	engineering drawing Engineering Drawing	4	2
Lectures (hr /w)	Lab./ <u>Prac .</u> / Tutor.	SSWL (hr / sem)	USSWL (hr /w)
2	2	63	37
Description			
<p>An engineering drawing course focuses on use of drawing instruments, lettering, construction of geometric shapes, etc. Students study use of dimensioning, shapes and angles or views of such drawings. Dimensions feature prominently, with focus on interpretation, importance and accurate reflection of dimensions in engineering drawing. Other areas of study in this course may include projected views.</p>			

12

Code	Course/Module Title	ECTS	Semester
AGREE -09	mathematics Mathematics	5	2
Lectures (hr /w)	Lab./ <u>Prac .</u> / Tutor.	SSWL (hr / sem)	USSWL (hr /w)
2	3	78	47
Description			
<p>It aims to provide students with mathematical foundations . The course covers topics such as algebra, statistics, and calculus. The student learns about determinants, matrix analysis, simultaneous equations using matrices, simultaneous equations using ,determinants, and the inverse of a matrix. Various teaching methods are used including lectures, discussions, and practical application of equations and examples to enhance understanding and application.</p>			

13

Code	Course/Module Title	ECTS	Semester
UOT001	Arabic Arabic Language	2	2
Lectures (hr /w)	Lab./ Prac./ Tutor (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	0	33	17
Description			
<p>The "Arabic Language" course aims to develop students' language skills in reading, writing, and effective communication . The course focuses on improving the ability to express oneself orally and in writing in Arabic, with attention to grammar, morphology, and punctuation , and their .application in scientific writings and reports, in addition to their uses in daily life</p>			

14

Code	Course/Module Title	ECTS	Semester
AGREE -10	Principles of plant protection Principles of Plant Protection	5	2
Lectures (hr /w)	Lab./ Prac./ Tutor (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	3	78	47
Description			
<p>The "Plant Protection" course aims to introduce students to the fundamental principles of ,protecting plants from agricultural pests and diseases. The course covers the study of insects ,fungi, viruses, and weeds that affect plant and crop health. It focuses on biological, chemical and mechanical control strategies to reduce the impact of these pests, with an emphasis on the safe and effective use of pesticides. The course also addresses early disease diagnosis techniques .and integrated pest management methods that contribute to sustainable agricultural productivity</p>			

16

Code	Course/Module Title	ECTS	Semester
AGREE -11	Principles of Statistics	6	1
Lectures (hr /w)	Lab./ Prac./ Tutor (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	3	78	72
Description			
<p>This course introduces the fundamental principles of statistics, focusing on data collection, organization, and presentation, and covers basic probability concepts, descriptive statistics, and an introduction to statistical inference, aiming to equip students with essential statistical skills for analyzing agricultural, economic, and extension-related data .</p>			

17

Code	Course/Module Title	ECTS	Semester
AGREE -12	Adult Education	6	1
Class (hr /w)	Lect /Lab./ Prac ./ Tutor	SSWL (hr / sem)	USWL (hr /w)
2	3	78	72
Description			
<p>This course focuses on the principles and methods of adult education, emphasizing learning characteristics, motivation, and participation of adults in educational programs, and aims to develop students' abilities to plan, implement, and evaluate educational activities relevant to agricultural extension and rural development contexts.</p>			

18

Code	Course/Module Title	ECTS	Semester
AGREE -1 3	Principles of Soil and Water	5	1
Class (hr /w)	Lect / <u>Lab</u> ./ <u>Prac</u> ./ <u>Tutor</u>	SSWL (hr / sem)	USWL (hr /w)
2	3	78	47
Description			
<p>This course introduces the basic principles of soil and water science, focusing on soil formation, physical and chemical properties, and water movement in soils, and aims to provide students with essential knowledge for sustainable soil and water management in agricultural systems.</p>			

19

Code	Course/Module Title	ECTS	Semester
AGREE -1 4	Agricultural Technology Transfer	6	1
Class (hr /w)	Lect / <u>Lab</u> ./ <u>Prac</u> ./ <u>Tutor</u>	SSWL (hr / sem)	USWL (hr /w)
2	3	78	72
Description			
<p>This course addresses the concepts and processes of agricultural technology transfer, focusing on the development, dissemination, and adoption of agricultural innovations, and aims to enhance students' understanding of effective communication and extension strategies for improving agricultural productivity and rural development.</p>			

20

Code	Course/Module Title	ECTS	Semester
UOT005	Crimes of the Ba'ath Party	2	1
Class (hr /w)	Lect /Lab./ <u>Prac</u> . / Tutor	SSWL (hr / sem)	USWL (hr /w)
2		33	17
Description			
<p>This course examines the crimes committed by the Ba'ath Party against the Iraqi people, focusing on political repression, human rights violations, and social and economic impacts, and aims to enhance students' awareness of historical injustice, national responsibility, and the importance of justice and accountability.</p>			

21

Code	Course/Module Title	ECTS	Semester
AGREE -15	Computer Applications 2	3	1
Lectures (hr /w)	Lab./ <u>Prac</u> ./ Tutor .	SSWL (hr / sem)	USSWL (hr /w)
2	0	48	27
Description			
<p>This course builds on basic computer skills by introducing advanced computer applications, focusing on data processing, spreadsheets, presentations, and specialized software, and aims to enhance students' ability to use digital tools effectively in agricultural economics, extension activities, and professional reporting.</p>			

22

Code	Course/Module Title	ECTS	Semester
AGREE -16	English Language 2	2	1
Lectures (hr /w)	Lab./ Prac./ <u>Tutor</u>	SSWL (hr / sem)	USSWL (hr /w)
2	0	33	17
Description			
This course develops intermediate English language skills with emphasis on reading, writing, listening, and speaking, focusing on terminology related to agriculture and economics, and aims to improve students' ability to communicate effectively in academic and professional agricultural contexts			

23

Code	Course/Module Title	ECTS	Semester
AGREE -17	Smart Farm Management	6	2
Lectures (hr /w)	Lab./ Prac./ Tutor (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	3	78	72
Description			
This course introduces the concepts of smart farm management, focusing on the use of modern technologies such as precision agriculture, digital monitoring, and data-driven decision making, and aims to enhance students' skills in improving farm efficiency, sustainability, and productivity.			

24

Code	Course/Module Title	ECTS	Semester
AGREE -18	Agricultural Marketing	6	2
Lectures (hr /w)	<u>Lab.</u> / <u>Prac.</u> / <u>Tutor.</u>	SSWL (hr / sem)	USSWL (hr /w)
2	3	78	72
Description			
<p>This course covers the fundamental concepts of agricultural marketing, focusing on market structures, price determination, distribution channels, and marketing functions, and aims to equip students with the knowledge and skills needed to improve the marketing efficiency of agricultural products and support farmers' incomes.</p>			

25

Code	Course/Module Title	ECTS	Semester
AGREE -19	Social Psychology	6	2
Lectures (hr /w)	<u>Lab./ Prac./ Tutor</u> (hr /w)	SSWL (hr / sem)	USSWL (hr / sem)
2	3	78	72
Description			
<p>This course introduces the basic concepts of social psychology, focusing on individual and group behavior, attitudes, communication, and social interaction, and aims to help students understand social factors influencing farmers, rural communities, and agricultural extension activities.</p>			

26

Code	Course/Module Title	ECTS	Semester
AGREE -20	Principles of Food Science	5	2
Lectures (hr /w)	Lab./ <u>Prac .</u> / Tutor.	SSWL (hr / sem)	USSWL (hr /w)
2	3	78	45
Description			
This course introduces the fundamental principles of food science, focusing on the physical, chemical, and biological properties of food and their relationship to processing and preservation, and aims to provide students with essential knowledge for ensuring food quality, safety, and nutritional value in agricultural systems.			

27

Code	Course/Module Title	ECTS	Semester
AGREE -21	Plane surveying	5	2
Lectures (hr /w)	Lab./ <u>Prac .</u> / Tutor.	SSWL (hr / sem)	USSWL (hr /w)
2	3	78	47
Description			
This course introduces the principles and methods of plane surveying, focusing on measurement of distances, angles, and elevations, and aims to develop students' skills in land measurement, mapping, and basic surveying applications relevant to agricultural and rural development projects.			

28

Code	Course/Module Title	ECTS	Semester
UOT00 2	Arabic Arabic Language	2	2
Lectures (hr /w)	Lab./ <u>Prac./ Tutor (hr /w)</u>	SSWL (hr / sem)	USSWL (hr / sem)
2	0	33	17
Description			
This course aims to enhance students' Arabic language skills through the study of grammar, rhetoric, reading, and writing, focusing on accurate expression and effective communication, and seeks to develop students' abilities to use Arabic proficiently in academic, cultural, and professional contexts.			

3. Contact :

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