Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Authority
Department of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

2025-2026

Introduction:

The educational program is a coordinated and organized package of courses that include procedures and experiences organized in the form of academic vocabulary whose main purpose is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market, which is reviewed and evaluated annually through internal or external audit procedures and programs such as the external examiner program.

The description of the academic program provides a brief summary of the main features of the program and its courses, indicating the skills that are being worked on to acquire for students based on the objectives of the academic program, and the importance of this description is evident because it represents the cornerstone in obtaining program accreditation and is written jointly by the teaching staff under the supervision of the scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the developments and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the description of the academic program circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna track as the basis for their work.

In this regard, we can only emphasize the importance of writing a description of academic programs and courses to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The description of the academic program provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, proving whether he has made the most of the available learning opportunities. It is derived from the description of the program.

Program Vision: An ambitious picture for the future of the academic program to be a sophisticated, inspiring, stimulating, realistic and applicable program.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (semester, yearly, Bologna track) whether it is a requirement (ministry, university, college and scientific department) with the number of study units.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by the student after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty member to develop the student's teaching and learning, and they are plans that are followed to reach the learning goals. Describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Ministry of Higher Education and Scientific Research

Scientific Supervision and Evaluation Authority

Quality Assurance and Academic Accreditation Department

Academic Program Description Form for Colleges and Institutes For the Academic Year 2025-2026

University: Al-Muthanna University

College/Institute: College of Agriculture

Scientific Department: Field Crops

Date of Filling Out the File: 9/1/2025

Signature:

Head of the Field Crops Department

Assistant Professor Dr. Ali Halil Naima

Date: Date: 10-9-2025

Signature:

the Scientific Assistant

Prof. Dr. Hanoon Nahi Kazim

10. 9. 2025

File Verified by:

Quality Assurance and University Performance Division:

Name of Director of t

he Quality Assurance and University Performance Division:

Date / / 12/9/2025

Signature

Approval of the Dean

1. Program Vision

in teaching, scientific research and community service in the agricultural fields within the framework of scientific, cultural, ethical and social principles and values, and that the college has the ways and tools of leadership in the development and development of agricultural areas within the geographical reality of the university.

2. Program Mission

Providing an applied academic climate that pushes the student to learn and develop his abilities and culture through the self-learning curriculum, which involves the student's acquisition of educational and research skills within the modern knowledge system in various agricultural disciplines, the ability to innovate, self-education and competition in the labor market, and provide opportunities to enhance the participation of faculty members, researchers and experts with their abilities to provide society with scientific cadres capable of meeting the needs of the labor market and agricultural and environmental development while providing opportunities to provide consultations and implement studies in a way that contributes to Economic and social development of the country.

3. Program Objectives

- Developing students' knowledge by mixing theoretical and applied studies and training to graduate effective specialists to advance the national agricultural sector while qualifying graduate students.
- Developing the scientific programs of the college in the light of contemporary scientific trends, as well as paying attention to self-education and continuing education.
- Preparing qualified graduates who are able to contribute to public projects and their own projects, agricultural project management, extension and agricultural education through the experiences and cognitive and mental skills they acquire in the college and the ability to implement agricultural

research .

- Establishing and implementing research plans to solve current agricultural problems in line with scientific developments, environmental protection and community service.
- Developing current and future courses periodically and taking into account the progress made in the field of research and academia and international quality requirements.
- Developing an education and scientific research strategy to meet the needs of the surrounding environment, labor market and society.
- Strengthening and developing the infrastructure and institutional by providing it with everything new in the fields of specialization to achieve the objectives of the college .
- Emphasizing quality programs to raise and improve performance rates and skills in education, research, community service and environmental development .
- Seeking to reach the college's programs to academic accreditation .

4. Program Accreditation

Does the program have program accreditation? And from which side?

No

5. Other external influences

Is there a sponsor for the program?

Al , Muthanna University

6. Program Structure

Program Structure	Number of	Credit hours	Percentage	Reviews*

	Courses			
Institution Requirements	**19**	**%13.01**	**%15-10**	
College Requirements	**28**	**19.17%**	**%22-16**	
Department Requirements	**99**	**%67.8**	**%74-63**	
Summer Training				
Other	**146**			

* It can include notes whether the course is basic or optional.

Program Description

(First stage (Bologna system

Spring semester			Autumn semester		
	of the material Name	Course code		Name of the material	Course code
	Animal Production Basics	DFC5123		Basics Field Crops	FCD3112
	plants anatomy	DFC5122		General plant	FCD4112
	leveling Soil techniques	DFC6123		Basics Soil	FCD6113
	Computer	UOA007		and Mathematics statistics	FCD2112
	Arabic language the	UOA001		rights Human	U0A005
	Plant Chemistry	DFC2123		English 1	U0A003
				Basics Field Crops	FCD3112
				General plant	FCD4112
				Basics Soil	FCD6113

Second stage

Autumn semester				Autumn semester			
Practical	Theoretical	symbol Rapporteur	Material Name	Practical	Theoretical	Course Code	Material Name
3	2	0C24201	Farms Management		2	0C14021	Agricultural extension
3	2	0024202	Oil and sugar crops	3	2	0C14202	Plant ecology
3	2	0C24203	Principles of Statistics	3	2	0C14203	Microbiology
3	2	0C24204	Machinery & Equipment	3	2	0C14204	Soil fertility and fertilizers
3	2	0C24205	Irrigation and Drainage	3	2	0C14205	Principles of Food Industries
3	2	0C24206	Plant classification				
	1	U024027	English Language 2	3	2	0C14206	Gardening principles
	1	U024028	Computer2		1	U014027	Computer1
	1	U024029	Baath crimes		1	U014028	English Language 1

1. Expected learning outcomes of the program	
Knowledge	
Learning Outcomes Statement 1	Learning Outcomes 1
Skills	
Learning Outcomes Statement 2	Learning Outcomes 2
Learning Outcomes Statement 3	Learning Outcomes 3
Values	
Learning Outcomes Statement 4	Learning Outcomes 4
Learning Outcomes Statement 5	Learning Outcomes 5

Teaching and Learning Strategies

Teaching and learning methods

- **Teaching students how to do methods of thinking and objective analysis**
- **Providing students with the basics of the course and additional topics**
- **Asking intellectual questions**
- **Dividing students into groups in practical lessons**

3. Evaluation methods

- **Practical training for each course**
- **Developing the creative thinking of students and the individual**
- **Knowing the developments that occur and have an impact on the course material**

1. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/ Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Prof. Shaima Ibrahim Mahmoud	Field crops	Physiology of crops			Yes	
Prof. Faisal Mahbas Madloul	Field crops	Crop production			Yes	
Prof. Mohamed Radwan Mahmoud	Field crops	Environmental stress			Yes	
Assoc. Prof. Ali Halil Naima	Field crops	Crop production technology			Yes	
Assoc. Prof. Ali Rahim Karim	Field crops	Crop production			Yes	
Assoc. Prof. Haider Razzaq Luaibi	Field crops	Crop production			Yes	
Assoc. Prof. Nasser Habib Muhaibis	Field crops	Plant nutrition			Yes	
Assoc. Prof. Mohamed Hussein Nour	Field crops	Heredity and plant breeding			Yes	
Assoc. Prof. Haider Abdul Hussain Mugheer	Field crops	Crop production			Yes	
Assoc. Prof. Ragheb Hadi Ajami	Field crops	Crop production			Yes	
Assoc. Prof. Haidar Abdel Moneim Al-Ibrahimi	Field crops	Crop production			Yes	
Dr. Esraa Rahi Sayhoud	Field crops	Crop production			Yes	
M.M. Hasan Abbas Fazil	Field crops				Yes	
M.M. Hossein Farhoud	Field crops				Yes	

Acceptance Criterion
- Central admission - for morning studies - direct application for evening studies - according to the average and competition

The most important sources of information about the program
From methodological books, help books, the Internet and scientific research

2. Program Development Plan
1- Teamwork: Work within the group effectively and actively. 2- Time management: Manage time effectively and set priorities with the ability to work organized by appointments. 3- Leadership: the ability to guide and motivate others. 4- Independence at work. 5- Negotiation and persuasion (the student is able to influence and convince others to discuss and reach an agreement). 6- Global skills (the student is able to speak and understand other languages and appreciate other cultures).

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
FIRST STAGE AUTUMN	FCD3112	Field Crops Basics	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	FCD4112	General plant	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	FCD6113	Basics Soil	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	FCD2112	Mathematics and statistics	Basic	✔	✔	✔	✔	✔	✔	✔	✔				
	U0A005	Human rights	Basic	✔	✔	✔	✔								
	U0A003	English 1	Basic	✔	✔	✔	✔								
FIRST STAGE SPRING	DFC5123	Animal Production Basics	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	DFC5122	anatomy plants	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	DFC6123	leveling Soil techniques	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	UOA007	Computer		✔	✔	✔	✔					✔	✔	✔	✔
	UOA001	language the Arabic		✔	✔	✔	✔								
	DFC2123	Plant Chemistry	Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

Second stage Autumn	**0C14021**	Agricultural guidance	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C14202	Plant environment	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C14203	Microbiology	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C14204	Soil fertility and fertilizers	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C14205	Principles of food industries	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C14206	Gardening principles	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	U014027	Computer1	**Basic**	✔	✔	✔	✔						✔	✔	✔
Second stage spring	**0C24201**	Farm management	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0024202	Oil and sugar crops	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C24203	Principles of statistics	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C24204	Machines and equipment	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C24205	Irrigation andDrainage	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	0C24206	Plant classification	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	U024027	English language 2	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	U024028	Computer2	**Basic**	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

MODULE DESCRIPTION FORM

Module Information

Module Title	**Botany**	**Module Delivery**	
Module Type	**Core**		☒**Theory** ☒**Lecture** ☒**Lab** ☐**Tutorial** ☒ **Practical** ☐**Seminar**
Module Code	**FCD4112**		
ECTS Credits	**6**		
SWL (hr/sem)	**150**		
Module Level	1	**Semester of Delivery**	1
Administering Department		**College**	الزراعة
Module Leader	Dr. Faisal Taher	mail-e	Faisal.taher@mu.edu.iq
Module Leader'Acad. Title s	Lecturer	Module Leader's Qualification	.Ph.D
Module Tutor	Dr. Faisal Taher	mail-e	Faisal.taher@mu.edu.iq
Peer Reviewer Name	**Dr .Ali Halil Naim**	**e-mail**	ali.algayashe@mu.edu.iq
Scientific Committee Approval Date	01/10/2024	**Version Number**	1.0

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents

Module Objectives	Here are the module objectives for plant taxonomy based on the search

	results: 1. Understand the basic concepts of botany in relation to its allied core courses 2. Perceive the significance of microbes and plants for human welfare 3. Work closely with a supervisor regarding the subject matter and content of the selected seminar topic 4. Conduct a research project on a topic of their choice approved by the academic staff 5. Analyze data to determine the general tendency of a character 6. Provide a general introduction to the study of plant structures and functions 7. Emphasize the aspects of plant structures and functions as they relate to the natural survival and growth of plants
Module Learning Outcomes	Here are the module learning outcomes for plant taxonomy based on the search results: 1- Mapping learning outcomes to corresponding competencies 2- Analyzing data to determine the general tendency of a character 3- Working closely with a supervisor regarding the subject matter and content of the selected seminar topic 4- Applying the scientific method to questions in biology by formulating testable hypotheses and gathering data that address these hypotheses 5- Understanding the study of plants in the context of general science.
Indicative Contents	Indicative content includes the following. Here are the indicative contents for general botany based on the search results: 1. Research project approved by the department 2. Basic botanical nomenclature needed to describe plant morphology 3. Collection and identification of native flowering plants of Georgia 4. Study of plants in the context of general science 5. Laboratory content incorporated with lecture content during exams 6. Working closely with a supervisor regarding the subject matter and content of the selected seminar topic 7. Understanding the approach, methods, research goals, evidence, and terminology of plant systematics.

Learning and Teaching Strategies	
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering types of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL)

Structured SWL (h/sem)	123	**Structured SWL (h/w)**	8
Unstructured SWL (h/sem)	27	**Unstructured SWL (h/w)**	2
Total SWL (h/sem)	**150**		

Module Evaluation

As		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

Week	Material Covered
Week 1	• Plant overview • General characteristics of the plant • The foundations of distinguishing between the plant kingdom and the animal kingdom
Week 2	**Introduction for non-flowering plants:**
Week 3	**Flowering plants: General characteristics of flowering plants, Division of flowering plants**
Week 4	**Seeds and their germination.**
Week 5	**Plant parts: root, stem, leaves (definition - functions)**
Week 6	- **Plant parts: Flower, Inflorescences, fruits, Seeds** - **Reproduction in flowering plants: Asexual reproduction in flowering plant**
Week 7	**Mid-term Exam**
Week 8	**Reproduction in flowering plants: Sexual reproduction in flowering plants, Pollination and fertilization in flowering plants, Life cycle of flowering plants**
Week 9	**Definition of plant physiology and its importance in agricultural**

	production, Photosynthesis
Week 10	**Respiration, transpiration and gastrulation in plants**
Week 11	**Water relations in the plant**
Week 12	**The role of basic elements in plant nutrition**
Week 13	**Introduction to plant anatomy; vascular plant organization: Shoot apical meristems; root apical meristems**
Week 14	**Epidermis, Parenchyma; collenchyma; sclerenchyma**
Week 15	**Xylem, Phloem**
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus)

Week	Material Covered
Week 1	**Lab 1: Germination for some seeds**
Week 2	**Lab 2: Electron microscope: parts and function**
Week 3	**Lab 3: Identify the Plant Cell**
Week 4	**Lab 4: Identify the leaf tissues**
Week 5	**Lab 5: Identify the stem tissues**
Week 6	**Lab 6: Identify the fruits tissue**
Week 7	**Lab 7: Identify the flower parts**

Learning and Teaching Resources

	Text	Available in the Library?
Required Texts	**Botany Illustrated - Introduction to Plants, Major Groups**	Yes
Recommended Texts	**Anatomy of Flowering Plants - Book**	No
Websites		

Grading Scheme
مخطط الدرجات

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

Note: Marks 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.

MODULE DESCRIPTION FORM
Form Course Description

Module Information
Subject information

Module Title	**and democracy Freedoms**	**Unit delivery**	
Module Type	**B**		
Module Code	UOA005	**look T** ☒	•
ECTS Credits	2	**Lecture L** ☒	•
hr) SWL (sem /	**50**	**Laboratory L** ☐	•
		Tutorial T ☐	•
		Practical ☐	•
		Seminar ☐	•

Module Level	UGx11 1	**Semester of Delivery**	1
Administration Department	Field Crops Department	**College**	Agriculture
Module Leader		**e-mail**	
Module Leader's Acad. Title	**.Assistant Prof**	**Module Leader's Qualification**	.Ph.D
Module Tutor	Dr .Abdul Salam Khalaf Aboud Al-Huwaija	**e-mail**	
Peer Reviewer Name	**Dr .Ali Halil Naima**	**e-mail**	Ali.algayashe@mu.edu.iq
Scientific Committee Approval Date	**2024/09/01**	**Version Number**	1.0

Relation with other Modules
Relationship with other subjects

Prerequisites Unit	no one	**Half year**	
Common Requirements Unit	no one	**Half year**	

Module Aims, Learning Outcomes and Indicative Contents objectives , learning outcomes and guiding content Course	
Module Objectives **objectives Subject**	• Introducing the student to democracy and its features • Knowing the historical development of democracy and its features • The relationship between the rights and public freedoms of individuals • Review of the democratic system in Iraq (positives and negatives(• Knowing corruption, its causes and ways to address it • Learn some political terms
Module Learning Outcomes **Learning outcomes for the subject** **Indicative Contents** **Guidance Contents**	• Full knowledge of democracy • Knowing the general conditions for the success of the democratic system • What are the components and pillars of democracy؟ • Roots of Democracy in Iraq • Pros and cons of the democratic system • Accuracy and knowledge of some political terms Includes instructional content Defining and training students on democracy and freedom and how to express their opinions in a transparent and systematic manner so that their opinions are positive and can be interacted with by the relevant party or parties and the government and public opinion can support these opinions, as the more civilized the expression of opinions is, the more influential its echo will be in all political circles and at various levels. Therefore, the main goal of this subject is to create an aware generation capable of leading the country in a democratic manner that believes in opinion and other opinions.

Learning and Teaching Strategies Learning and teaching strategies	
Strategies	Creating a conscious generation that knows well what it has and what it owes to contribute to building a civilized state, with a sense of absolute belonging to this state, regardless of the circumstances and conditions it is going through, and preserving public property as if it were private, in addition to raising the spirit of good citizenship, in addition to strengthening .cooperation between the citizens themselves

(Student Workload (SWL .weeks 15The student's academic load is calculated for			
(sem /Structured SWL (h Regular student load during the semester	33	(Structured SWL (h/w Regular weekly student load	2
(sem /Unstructured SWL (h Irregular student load during the semester	17	(Unstructured SWL (h/w load per week Irregular student	1
(sem /Total SWL (h The student's total academic load during the semester	50		

Module Evaluation Course material evaluation					
As		time/number	Weight /Signs	Due week	Education Related pwdgm
Formative assessment	Quizzes Assignments	2	(10) %10	10 ،4	LO 1.7
	.Lab / Projects				
Summative assessment	Report	1	(10) %10	13	LO 1,3,7
	Midterm Exam	2	(20) %20	7	LO 2.5
	Final Exam	3	(60) %60	16	LO 1-7
Total assessment			(Marks 100) %100		

(Delivery Plan (Weekly Syllabus Theoretical weekly curriculum	
Week	Material Covered
Week 1	Definition of democracy, concept of democracy, features of democracy
Week 2	Historical development of democracy and freedom
Week 3	The relationship between rights and freedoms of individuals and democracy The difference between freedom
Week 4	Evaluation of the democratic system and its implementation stages in Iraq
Week 5	Types of democracy
Week 6	General conditions for the success of the democratic system and the components and pillars of democracy
Week 7	Midterm Exam
Week 8	The concept of elections and their legal adaptation
Week 9	Democracy in Iraq

Week 10	**Advantages of the democratic system, disadvantages of the democratic system**
Week 11	**Stages of the democratic system in Iraq The most important articles of the Iraqi Constitution of 2005**
Week 12	**Administrative corruption, its concept and definition, types of corruption**
Week 13	**Causes of corruption and treatments of corruption**
Week 14	**Some political terms) constitution ،federal court, presidential and parliamentary system(....**
Week 15	**Terms (secularism, aristocracy, liberalism, bureaucracy, imperialism(**
Week 16	**Final Exam**

Learning and Teaching Resources
and teaching resources

	Text	in the library Available
Required Texts	**Human rights, democracy and public freedoms** **Sabry Kazem Maher Assistant Professor**	Yes
Recommended Texts	**History of the emergence of human rights concepts 2006** **Suleiman Al-Faqir Raed**	No
Websites		

Grading Scheme
Grading chart

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

Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 **:Note** 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

MODULE DESCRIPTION FORM
Form Course Description

Module Information
Subject information

Module Title	Field Crops Basics		**Module Delivery**	
Module Type	C		Theory ☒ •	
Module Code	FCD3112		Lecture ☐ •	
ECTS Credits	7		Lab ☒ •	
(sem / hr) SWL	175		Tutorial ☐ •	
			☒ • Practical	
			Seminar ☒ •	
Module Level		**Module Level**	**Semester of Delivery**	1
Administration Department		**Field Crops Department**	**College**	Agriculture
Module Leader	*Dr. Shaima Ibrahim Mahmoud*		**e-mail**	**Shaimaaibrahim@mu.edu.iq**
Module Leader's Acad. Title		**Module Leader's Acad. Title**	**Module Leader's Qualification**	Ph. .D
Module Tutor	*Dr. Shaima Ibrahim Mahmoud*		**e- mail**	**Shaimaaibrahim@mu.edu.iq**
Peer Reviewer Name		**Dr .Ali Halil Naima**	**e-mail**	**ali.algayashe@mu.edu.iq**
Scientific Committee Approval Date		**2024/10/01**	**Version Number**	1.0

Relation with other Modules

Prerequisite module	none	**Semester**	-
Co-requisites module	none	**Semester**	-

Module Aims, Learning Outcomes and Indicative Contents
objectives , learning outcomes and guiding content Course

Module Objectives objectives Subject	-1-Study of the most important field crops in the world. -2- It includes knowledge of the spread of each crop in different regions of the world. -3- Knowing the importance Economic For field crops. -4- Identifying the methods of planting each crop and the factors affecting the productivity of each crop . 5- Study the environmental conditions suitable for growing each crop . 6 - Methods followed in storing and marketing important field crops in the world.
Module Learning Outcomes **Learning outcomes for the subject**	A -Cognitive objectives -1- The student should learn about the most important field crops in Iraq and the world . -2- The student classifies crops according to their environmental needs . 3- The student should differentiate between crops and their importance in human and animal nutrition . -4- To know the scientific methods used to increase crop productivity . -5- The student should evaluate the importance of each field crop and which of them is best for investment in Iraq . B - Objectives Program specific skills -1- Introducing the importance to the student Economics of crops . 2 - The student's ability to evaluate the most important field crops in Iraq and the world . -3- Teaching the student the appropriate environmental conditions for each crop .

Indicative Contents **Guidance Contents**	-1Explanation and clarification 2- Lecture method 3 - Student groups 4- Practical lessons in agricultural fields 5 - Scientific trips to learn about grain crops in Iraq

Learning and Teaching Strategies **Learning and teaching strategies**	
Strategies	Identifying the most important Developing the student's ability to field crops and their impact on environmental conditions, and .identifying and knowing their types

(Student Workload (SWL **.weeks 15is calculated as semester**			
(sem /Structured SWL (h **Regular student load during the semester**	138	**(Structured SWL (h/w** **Regular weekly student load**	9
(sem /Unstructured SWL (h **Irregular student load during the semester**	37	**(Unstructured SWL (h/w** **load per week Irregular student**	2
(sem /Total SWL (h **The student's total academic load during the semester**	**175**		

Module Evaluation
Course material evaluation

As		Time/Number	(Weight (Marks	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	(10) %10	10and 5	
	Assignments	2	(10) %10	12and 2	
	.Lab / Projects	1	(10) %10	Continuous	
	Report	1	(10) %10	13	
Summative assessment	Midterm Exam	hr1	(10) %10	7	
	Final Exam	hr3	(50) %50	16	
Total assessment			Marks 100) %100		

(Syllabus Weekly+Lab) Delivery Plan
weekly curriculum and practical

Week	Material Covered
Week 1	introduction in Crops Field ، Definition ، Its origin ، And its development
Week 2	to divide Crops Field According to Families ،season Agriculture ، Usage ..... etc) .Description (Most important Families Vegetarianism
Week 3	Factors Environment and its relationship Growing Crops) Factors climate(
Week 4	Light And its importance in Growth
Week 5	exam The month First / Heat And its relationship By distributing Crops
Week 6	Wind And its impact on Crops
Week 7	**Mid-term Exam**
Week 8	Discrimination between Family The lawn And legumes
Week 9	Factors soil) building soil
Week 10	Weave it soil ، Salinity soil ، acidity soil
Week 11	Factors of distribution and spread of field crops
Week 12	Classification of crops according to heat requirements
Week 13	Summer crops
Week 14	Winter crops
Week 15	Crops and food security
Week 16	Final Exam

Learning and Teaching Resources
and teaching resources

	Text	؟Available in the Library
Required Texts		yes
Recommended Texts	Field crop management and production Principles of field crops	and references Books scientific recommended by reports ،journals
Websites	Library Sites in Some International Universities ، Virtual Library ، websites ،Electronic references	

Grading Scheme
Grading chart

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

Note : Marks 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.

MODULE DESCRIPTION FORM
Form Course Description

Module Information Subject information			
Module Title	Plant Chemistry **Plant Chemistry**	**Module Delivery**	
Module Type	**S**	Theory ☒ •	
Module Code	**DFC2123**	Lecture ☐ •	
ECTS Credits	**7**	Lab ☒ •	
(sem / hr) SWL	**5 7 1**	Tutorial ☐ •	
		Practical ☒ •	
		Seminar ☒ •	

Module Level	**Module Level**	**Semester of Delivery**	1
Administration Department	**Field Crops Department**	**College**	Agriculture
Module Leader	***Qasim Ajil Shanawa .A.M.D***	**e-mail**	qasim.ajel @mu.edu.iq
Module Leader's Acad. Title	**Assistant Professor**	**Module Leader's Qualification**	.Ph.D

Module Tutor	***Qasim Ajil Shanawa .A.M.D***	**e-mail**	qasim.ajel@mu.edu.iq
Peer Reviewer Name		**e-mail**	
Scientific Committee Approval Date	**2024/10/01**	**Version Number**	1.0

Relation with other Modules			
Prerequisite module	none	**Semester**	-
Co-requisites module	none	**Semester**	-

Module Aims, Learning Outcomes and Indicative Contents objectives , learning outcomes and guiding content Course	
Module Objectives objectives Subject	Course objectives: The curriculum aims to introduce students to the chemical compositions and biological importance of organic compounds in living cells ،such as carbohydrates of all types, fats of all types, amino acids and proteins of all types, nucleic acids) DNA .(And RNA ،(enzymes, their mechanism of action, and the factors affecting their effectiveness. In addition to introducing students to the most important qualitative and quantitative reagents for sugars, fats, and proteins .

Module Learning Outcomes **Learning outcomes for the subject**	• **Cognitive objectives:** • identification plant chemistry , review Summary For vocabulary science Plant Chemistry that will be given during the chapter Academic. • Enabling students to gain knowledge, science, and knowledge of plant cells ،cell components, and their functions. • Introducing students **to carbohydrates ، their importance and their types** in plants. • Introducing students to **fats - definition - importance - fatty acids - types - structures - reactions**. • Introducing students to **amino acids – their divisions – their structures – properties of amino acids – their reactions**. • Introducing students to **proteins – definition – types – levels of protein synthesis – Denture**. • Introducing students to **nucleic acids - their importance - nucleotides - Its functions - its composition - types of nucleic acids**. • Introducing students to enzymes - their definition - the mechanism of enzyme action - their classification - inactive and active enzymes - factors affecting the rate of enzyme reaction.
Indicative Contents Guidance Contents	• Providing students with the basics and lectures related to the subject. • Use Power Point presentation methods to convey information clearly and well to students. • Use the board to illustrate And explain Lecture for students. • Urging students to make use of Google search engines when they are asked to submit scientific reports on the topics given to them within the course material. • Use laboratories to illustrate and conduct practical experiments.

Learning and Teaching Strategies

Learning and teaching strategies

Strategies	• Assigning students to conduct research and reports. • Assign students to collect sources on the topic using electronic research.

(Student Workload (SWL .weeks 15is calculated as semester			
(sem /Structured SWL (h Regular student load during the semester	123	**(Structured SWL (h/w Regular weekly student load**	9
sem /Unstructured SWL (h (Irregular student load during the semester	52	**(Unstructured SWL (h/w load per week Irregular student**	2
(sem /Total SWL (h The student's total academic load during the semester	**125**		

Module Evaluation
Course material evaluation

		Time/Number	(Weight (Marks	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	(10) %10	and 10 5	2 ،1LO
	Assignments	2	(10) %10	and 12 2	4 ،3LO
	.Lab / Projects	1	(10) %10	Continuous	LO 1-7
Summative assessment	Report	1	(10) %10	13	LO 1-7
	Midterm Exam	hr1	(10) %10	7	All
	Final Exam	hr3	(50) %50	16	All
		Total assessment	Marks 100) %100		

(Syllabus Weekly+Lab) Delivery Plan
weekly curriculum and practical

	Material Covered
Week 1	Introduction to Plant Chemistry - Components of the Living Plant Cell and Their

	Functions
Week 2	**Carbohydrates - definition - importance - types - (monosaccharides ،low polysaccharides ، polysaccharides(**
Week 3	**Monosaccharides - Analogues of monosaccharides - Monosaccharide derivatives - Ring structure of sugars.**
Week 4	**Low polysaccharides - reducing and non-reducing types**
Week 5	**Polysaccharides - homogeneous and heterogeneous types**
Week 6	**First month exam**
Week 7	**Fats - Definition - Importance - Fatty acids - Divisions - Structures - Reactions - Geometric similarities of fatty acids**
Week 8	**Fat types - simple fats - their types (oils, fats and waxes) - their compositions - fat constants**
Week 9	**Compound and derived fats - their types - their compositions**
Week 10	**Amino acids - their divisions - their structures - properties of amino acids - their reactions**
Week 11	**Peptides - Proteins - Definition - Divisions - Levels of protein synthesis - Denaturation**
Week 12	**Second month exam**
Week 13	**Nucleic acids - their importance - nucleotides - their functions - their composition - types of nucleic acids**
Week 14	**Enzymes - Definition - Mechanism of enzyme action - Classification - Inactive and active enzymes**
Week 15	**Factors affecting the rate of enzymatic reaction.**
Week 16	Final Exam

Learning and Teaching Resources
and teaching resources

	Text	؟Available in the Library
Required Texts		yes

Recommended Texts	**The textbook - Biochemistry - Part One (1) and (2). Written by Dr. Ali Hassan Al-Dawudi.** **: sources** • **Written by - Fundamentals of Biochemistry .Dr. Basil Kamel Al-Dalali** **.2 Textbook of Biochemistry SPSingh.2007. A Fourth Edition, CBS Publishers Distributors New Delhi.Banglore -.** **&** **.3 Practical Biochemistry .Authored by Dr. Ali Hassan Al-Dawadi**	and references Books scientific recommended by reports ،journals
Websites	Library Sites in Some International Universities ، Virtual Library ، websites ،Electronic references	

Grading Scheme

Grading chart

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

:Note Marks 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

MODULE DESCRIPTION FORM

Form Course Description

Module Information
Subject information

Module Title	Production Animal principles		**Module Delivery**
Module Type		**S**	**Theory** ☒ •
Module Code	DFC5123		**Lecture** ☒ •
ECTS Credits		**5**	**Lab** ☐ •
(sem / hr) SWL		**125**	**Tutorial** ☐ •
			Practical ☒ •
			Seminar ☐ •

Module Level	U	**Semester of Delivery**	2
Administration Department	Field crops	**College**	Agriculture
Module Leader	Zayer Nakad Mr. Karim	**e-mail**	
Module Leader's Acad. Title		**Module Leader's Qualification**	
Module Tutor	Zayer Nakad Mr. Karim	**e-mail**	
Peer Reviewer Name	Dr. Ali Halil Naima	**e-mail**	ali.algayashe@mu.edu.iq
Scientific Committee Approval Date	2024/10/01	**Version Number**	1.0

Relation with other Modules
Relationship with other subjects

Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents
objectives , learning outcomes and guiding content Course

Module Objectives objectives Subject	-The student should recognize the importance Economics of animal products -The student should know the types of cows ، buffaloes and sheep. -The student gets to know the field operations .For animals The farm -The student should be familiar with the methods used .In animal classification The farm -Introducing the student to methods of caring for cows .And the

Module Learning Outcomes **Learning outcomes for the subject**	buffalo And the calves -The student's ability to identify the types Different For records and operations Field • The student should know the importance Economics of animal products • The student learns about the types of cows .Buffalo and sheep • The student learns about calf care. • The student will learn about poultry care.
Indicative Contents **Guidance Contents**	• -Explanation and clarification. • -How to study the lecture. • -Student groups. • -Practical lessons in the fields Animal for college. • -Scientific trips to the fields in Area • -Self -learning method

Learning and Teaching Strategies **Learning and teaching strategies**	
Strategies	The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining

(Student Workload (SWL **.weeks 15The student's academic load is calculated for**			
(sem /Structured SWL (h **Regular student load during the semester**	108	**(Structured SWL (h/w** **Regular weekly student load**	7
(sem /Unstructured SWL (h **Irregular student load during the semester**	17	**(Unstructured SWL (h/w** **load per week Irregular student**	1
(sem /Total SWL (h **The student's total academic load during the semester**	**125**		

Module Evaluation
Course material evaluation

		Time/Number	(Weight (Marks	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	(10) %10	and 10 5	2# ،1#LO
	Assignments	2	(10) %10	and 12 2	7# ،6#LO #3, #4 and
	.Lab / Projects	1	(10) %10	Continuous	All
	Report	1	(10) %10	13	LO #5
Summative assessment	Midterm Exam	hr2	(10) %10	7	7# -LO #1
	Final Exam	hr3	(50) %50	16	All
	Total assessment		(Marks 100) %100		

(Delivery Plan (Weekly Syllabus
Theoretical weekly curriculum

	Material Covered
Week 1	Importance Economics of animal products
Week 2	Types of cows And the buffalo And sheep
Week 3	Reproduction in Cows And the buffalo
Week 4	Calf care
Week 5	Milk production In cows and buffaloes
Week 6	Field operations For animals in The farm Types of farm records
Week 7	Mid-term Exam
Week 8	Animal housing The farm
Week 9	The Ga Moose
Week 10	Importance Economic For sheep And the goats
Week 11	Classification of sheep and goats
Week 12	Methods of classifying animals Agricultural
Week 13	Reproduction in Sheep And the goats
Week 14	Field operations For sheep And the goats
Week 15	farm animal care
Week 16	General review before the final exam

(Delivery Plan (Weekly Lab. Syllabus
Weekly lab schedule

	Material Covered
Week 1	Lab 1 :Identifying Farm Animals
Week 2	Lab 2 :Sheep Care
Week 3	Lab 3 :Cow Care
Week 4	Lab 4 :Buffalo Care
Week 5	Lab 5 :Goat Care
Week 6	Lab 6 :Farm Animal Nutrition
Week 7	Lab 7 :The most important feeds

Learning and Teaching Resources
and teaching resources

	Text	؟Available in the Library
Required Texts	• .Dr Al-Jalili Zahry .Dr Basics Production Animal Talal Yousef lustful and Farid .Adel Dr Muhammad	Yes
Recommended Texts	Natiq .Dr Milk cattle production The Holy One Mohammed	No
Websites	https://www.sciencedirect.com/journal/separation-and-purification-technology/vol/292/suppl/C https://www.amazon.com/Separation-Purification-Methods-Edmond-Perry/dp/082476319X	

Grading Scheme
Grading chart

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

Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 **:Note** 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

MODULE DESCRIPTION FORM
Form Course Description

Module Information
Subject information

Module Title	**Computer science**	**Module Delivery**	
Module Type	**B**	**Theory** ☒	•
Module Code	**UOA007**	**Lecture** ☒	•
ECTS Credits	**3**	**Lab** ☒	•
(sem / hr) SWL	**75**	**Tutorial** ☐	•
		Practical ☐	•
		Seminar ☐	•

Module Level	U	**Semester of Delivery**	2
Administration Department	Field crops	**College**	Agriculture
Module Leader	Sambar Saud .A.M	e-mail	
Module Leader's Acad. Title	Assistant Prof	**Module Leader's Qualification**	PhD
Module Tutor	Sambar Saud .A.M	e-mail	
Peer Reviewer Name	Dr. Ali Halil Naima	**e-mail**	ali.algayashe@mu.edu.iq
Scientific Committee Approval Date	2024/10/01	**Version Number**	1.0

Relation with other Modules
Relationship with other subjects

Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents
objectives , learning outcomes and guiding content Course

Module Objectives objectives Subject	• Study the principles of computer science and information technology • Study different types of modern computers • Introducing the student to the most important components of the computer and its

	systems • Learn about the types of computers used in various scientific fields • Learn about the different types of operating systems used in computers
Module Learning Outcomes **Learning outcomes for the subject**	• Student knowledge of the basic principles of computer science and information technology • Understand different types of computers used in different fields. • Knowing the most important components of the computer and what its parts are • Knowing how to manage and store data inside the computer • Knowing the most important operating systems used in computers • Knowing the most important computer applications used in various magazines
Indicative Contents Guidance Contents	The student studies the following important topics: • Stages of computer development, in addition to a brief history of the most important old computers 6) hours(• General concepts in computer science in terms of data types and methods of storing them inside the computer 5) hours(• Using computers and their different types 5) hours(• Study the material components in detail and identify their most important components 8) hours(• Programming components and applications used in computers 8) hours(• Studying computer science numbers and identifying the most important ones 7)hours(• Calculate storage space for main memory and secondary memories 7) hours (

Learning and Teaching Strategies **Learning and teaching strategies**	
Strategies	Enhancing and refining students' skills in using computers and training them on how to use their systems and how to develop their capabilities in using computers efficiently ،through interactive lectures in the laboratory in addition to paper manuscripts, textbooks .and files PPT lectures

(Student Workload (SWL **.weeks 15The student's academic load is calculated for**			
(sem /Structured SWL (h **Regular student load during the semester**	60	**(Structured SWL (h/w** **Regular weekly student load**	4
(sem /Unstructured SWL (h **Irregular student load during the semester**	15	**(Unstructured SWL (h/w** **load per week Irregular student**	1
(sem /Total SWL (h **The student's total academic load during the semester**	**75**		

Module Evaluation
Course material evaluation

		Time/Number	(Weight (Marks	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	(10) %10	and 10 5	2# ،1#LO
	Assignments	2	(10) %10	and 12 2	7# ،6#LO #3, #4 and
	.Lab / Projects	1	(10) %10	Continuous	All
Summative assessment	Report	1	(10) %10	13	7# ،5#LO
	Midterm Exam	hr2	(10) %10	7	7# -LO #1
	Final Exam	hr3	(50) %50	16	All
		Total assessment	(Marks 100) %100		

(Delivery Plan (Weekly Syllabus
Theoretical weekly curriculum

Week	Material Covered
Week 1	Computer and Information Technology Introduction to
Week 2	Stages of computer development
Week 3	Data used in computer
Week 4	Types of computers and their uses
Week 5	Hardware components of the computer 1
Week 6	Hardware components of the computer 2 and software components
Week 7	Mid-term Exam
Week 8	Operating systems
Week 9	Application programs
Week 10	Programming languages
Week 11	Computer performance metrics
Week 12	Computer storage units
Week 13	Setting systems
Week 14	Computer protection programs
Week 15	Viruses and hacking
Week 16	Preparatory week before the final exam

(Delivery Plan (Weekly Lab. Syllabus
Weekly lab schedule

	Material Covered
Week 1	Lab :1 Learn how to install and operate a computer

Week 2	Lab :2 Identify the most important hardware components that make up a computer
Week 3	Lab :3 Applications of data storage methods and their calculations
Week 4	Lab :4 Application on one of the important operating systems for the computer
Week 5	Lab :5 Experimenting with some office applications on the computer
Week 6	Lab :6 Experiment and solve some of the counting systems used in the computer
Week 7	Lab :7 Applying some antivirus software

Learning and Teaching Resources
and teaching resources

	Text	Available in the Library؟
Required Texts	Part One (Computer Basics and Office Applications) Book	Yes
Recommended Texts		
Websites	.Browse the Internet and learn more about this field	

Grading Scheme
Grading chart

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

:Note Marks 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

MODULE DESCRIPTION FORM
Form Course Description

Module Information Subject information					
Module Title	Arabic			**Module Delivery**	
Module Type	**B**			**Theory** ☒ • **Lecture** ☒ • **Lab** ☐ • **Tutorial** ☐ • **Practical** ☐ • **Seminar** ☐ •	
Module Code	**UOA001**				
ECTS Credits	**2**				
(sem / hr) SWL	**50**				
Module Level	1		**Semester of Delivery**	**2**	
Administration Department	Field crops	**College**	of Agriculture Faculty		
Module Leader	*Musa Al Amer millimeter Sheikh*	**e-mail**			
Module Leader's Acad. Title	Instructor	**Module Leader's Qualification**	PhD		
Module Tutor	*Musa Al Amer millimeter Sheikh*	**e-mail**			
Peer Reviewer Name	Dr. Ali Halil Naima	**e-mail**	ali.algayashe@mu.edu.iq		
Scientific Committee Approval Date	2024/09/01	**Version Number**	0.1		

Relation with other Modules Relationship with other subjects			
Prerequisite module		**Semester**	
Co-requisites module		**Semester**	

Module Aims, Learning Outcomes and Indicative Contents objectives , learning outcomes and guiding content Course	
Module Objectives **objectives Subject**	Explaining the importance of the Arabic language and its benefits for university students in terms of: Defining the parts of speech in the Arabic language from sound to context • Definition of the sections and types of the Qur'anic sentence. • Definition of syntax and its relation to grammatical meaning in the types of Quranic sentences. • Defining the structure within the Quranic expression. • Definition of advancement and delay in Quranic expression, its types and causes • Definition of scientific miracles in the Quranic text • Definition of the method of semantic analysis of the Qur'anic text • Definition of the method of semantic analysis of the literary poetic text • Defining some grammatical topics in the language such as indefinite and definite nouns ،proper nouns, and numbers.
Module Learning Outcomes **Learning outcomes for the subject**	knowledge and understanding • Study of the types of Quranic sentences • Study of syntax and its relation to meaning within the types of Quranic sentences • Study of grammatical topics when analyzing the parsing of the Qur'anic sentence • Study of scientific miracles within the Qur'anic text. • Semantic analysis study of the Quranic context Subject- specific skills
Indicative Contents **Guidance Contents**	• The student should be familiar with the types of Quranic sentences. • will gain the ability to analyze the syntax of the Qur'anic sentence. • The student learns the ability to understand the topics

	of the Arabic language through analyzing the parsing of the Qur'anic sentence. • To acquaint the student with the scientific miracle and its types within the Qur'anic text. • The student should be aware of the characteristics of the word structure within the Qur'anic expression in terms of definition, indefiniteness, precedence, delay, mention, deletion, and the reason for choosing the word structure in terms of nominalism, verbalism, and the change or variation in the tenses of verbs within the Qur'anic context.

Learning and Teaching Strategies Learning and teaching strategies	
Strategies	**methods and learning Blackboard - Display Screen**

(Student Workload (SWL .weeks 15The student's academic load is calculated for			
(sem /Structured SWL (h Regular student load during the semester	33	**(Structured SWL (h/w Regular weekly student load**	2
(sem /Unstructured SWL (h Irregular student load during the semester	17	**(Unstructured SWL (h/w load per week Irregular student**	1
(sem /Total SWL (h The student's total academic load during the semester	**50**		

Module Evaluation Course material evaluation					
		Time/Number	**(Weight (Marks**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes Assignments**	2	(10) %10	10 ،4	LO 1.7
	.Lab / Projects Report	1	(10) %10	13	LO 1,3,7
Summative assessment	**Midterm Exam**	2	(20) %20	7	LO 2.5
	Final Exam	3	(60) %60	16	LO 1-7

Total assessment			

(Delivery Plan (Weekly Syllabus Theoretical weekly curriculum	
	Material Covered
Week 1	Defining the parts of speech in the Arabic language from sound to context
Week 2	Definition of the sentence and its types with practical examples in parsing
Week 3	The verbal sentence and its components with practical examples in parsing, intransitive and transitive verbs, the subject and types of subjects, when the subject is deleted and the reasons for its deletion
Week 4	The nominal sentence and its components with practical examples in parsing, types of subject, types of predicate, deleting the predicate, presenting it, and the reasons for presenting and delaying it
Week 5	The quasi-sentence and its components, what the preposition and adverb are related to, the reasons for their relation, and the types of what is related to it, with practical examples in parsing .
Week 6	Memorizing and interpreting the first ten verses of Surat Al-Kahf and their semantic analysis
Week 7	Midterm Exam
Week 8	Memorizing and interpreting the first five verses of Surat Al-Hujurat
Week 9	Semantic analysis of the first five verses of Surat Al-Hujurat
Week 10	Indefinite and definite, types of definite nouns
Week 11	Explanation of the topic of numbers ،and the divisions of numbers, with practical examples
Week 12	Memorizing and analyzing eight verses in the poem Al-Hamas by the poet Abu Tayeb Al-Mutanabbi, along with the poet's life.
Week 13	Memorize and analyze ten lines from the poem of the Iraqi poet Badr Shakir al-Sayyab, along

	with the poet's life.
Week 14	The structure of the word in the Holy Quran ،the word between nominal and verbal
Week 15	**Advancement and delay, its types and causes**
Week 16	**Preparatory week before the final exam**

(Delivery Plan (Weekly Lab. Syllabus
Weekly lab schedule

	Material Covered
Week 1	:Lab 1
Week 2	:Lab 2
Week 3	:Lab 3
Week 4	:Lab 4
Week 5	:Lab 5
Week 6	:Lab 6
Week 7	:Lab 7

Learning and Teaching Resources
and teaching resources

	Text	؟Available in the Library
Required Texts	The Holy Quran, Ibn Aqil's Explanation Book, Arabic Language ،Curriculum for Non-Specialists, Book of Rhetoric and Application Quranic Interpretations	Yes

Grading Scheme
Grading chart

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

Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 **:Note** 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

MODULE DESCRIPTION FORM
Form Course Description

Module Information Subject information					
Module Title	and leveling modification Soil			**Module Delivery**	
Module Type	S			**Theory** ☒ •	
Module Code	DFC6123			**Lecture** ☒ •	
ECTS Credits	6			**Lab** ☒ •	
(sem / hr) SWL	150			**Tutorial** ☐ •	
				Practical ☒ •	
				Seminar ☐ •	
Module Level	1		**Semester of Delivery**	2	
Administration Department	Field crops	**College**	of Agriculture Faculty		
Module Leader	Hawad Kazem Ziyad .Prof. Dr	**e-mail**			
Module Leader's Acad. Title			**Module Leader's Qualification**		
Module Tutor	Hawad Kazem Ziyad .Prof. Dr	**e-mail**			
Peer Reviewer Name	Dr. Ali Halil Naima	**e-mail**	ali.algayashe@mu.edu.iq		
Scientific Committee Approval Date	2024/10/01		**Version Number**	1.0	

Relation with other Modules Relationship with other subjects			
Prerequisite module		**Semester**	
Co-requisites module		**Semester**	

Module Aims, Learning Outcomes and Indicative Contents objectives , learning outcomes and guiding content Course	
Module Objectives **Subject objectives**	Understand the basics and introduce the student to the basic concepts of engineering drawing ، including: It includes symbols ،dimensions ، and measures. Analysis and interpretation and enabling the student to analyze and interpret the drawings Engineering and planning efficiently ، and learn how survey teams work and use their tools. The ability to create maps of all types and according to drawing dimensions. Learn about different scanning devices ، their function , and measurement methods.
Module Learning Outcomes **Learning outcomes for the subject** **Indicative Contents** **Guidance Contents**	Preparing cadres capable of drawing vertical, horizontal, frontal and lateral sections of various geometric shapes, with the possibility of conducting field surveys of various soils, determining land boundaries, and using engineering drawing tools and flat surveying devices and equipment. **Subject- specific skills** • **The student gets to know the different geometric shapes.** • **will gain the ability to draw different maps at various drawing scales.**

	• learns the ability to understand the topics of flat space and its various devices. • The student should review the readings of the leveling device and apply them to reality. • To acquaint the student with the characteristics of the structure of flat and contour lands and the adoption of surveying methods.

Learning and Teaching Strategies Learning and teaching strategies	
Strategies	methods and learning Blackboard – Display Screen

(Student Workload (SWL .weeks 15The student's academic load is calculated for			
(sem /Structured SWL (h Regular student load during the semester	108	(Structured SWL (h/w Regular weekly student load	
(sem /Unstructured SWL (h Irregular student load during the semester	42	(Unstructured SWL (h/w load per week Irregular student	
(sem /Total SWL (h The student's total academic load during the semester	150		

Module Evaluation Course material evaluation					
		Time/Number	(Weight (Marks	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	(10) %10	8 ،4	2 ،1LO
	Assignments	2	(10) %10	5,13	4 ،3LO
	.Lab / Projects	1	(10) %10	13	LO 1-7
	Report	1	(10) %10	12	LO 1-7
Summative	Midterm Exam	hr1	(10) %10	7	All

assessment	**Final Exam**	hr3	(50) %50	16	All
		Total assessment		**Total assessment**	(Marks 100) %100

(Delivery Plan (Weekly Syllabus **Theoretical weekly curriculum**	
	Material Covered
Week 1	Learn about engineering drawing and its importance
Week 2	Learn about the types of lines ، drawing scale and their importance .
Week 3	Engineering operations
Week 4	The concept of flat area, its importance and role in agriculture
Week 5	Measurement systems, units of measurement and common errors in measurement
Week 6	Monthly exam
Week 7	Tape surveying, station selection methods and field notebook requirements.
Week 8	Errors in surveying work and methods of addressing them
Week 9	Regular and irregular shapes and coordinate scanning
Week 10	Leveling using a leveling device
Week 11	Methods of measuring level points
Week 12	Longitudinal sector work and definition
Week 13	Topographic maps and representation methods
Week 14	Contour lines and ways to find space
Week 15	**Curvature and refraction phenomena and methods of treating them**
Week 16	**Preparatory week before the final exam**

(Delivery Plan (Weekly Lab. Syllabus **Weekly lab schedule**

	Material Covered
Week 1	Lab 1 :Engineering drawing tools and how to identify them
Week 2	Lab 2 :Multiple Drawing Scales
Week 3	Lab 3 :Understanding Scanning Tools
Week 4	Lab 4 :Level device and accessories
Week 5	Lab 5 :Field notebook and how to enter data into it
Week 6	Lab 6 :Planar Mapping
Week 7	Lab 7 :Forward readings, backward readings, and dummy readings

Learning and Teaching Resources
and teaching resources

	Text	Available in the Library؟
Required Texts	.Engineering drawing book - a methodical book .Saleh Al-Khaffaf Riyadh .Dr ،Plane Surveying Book 2000 .of Mosul University	Yes
Recommended Texts		
Websites		

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