University of Basrah

جامعة البصرة

First Cycle – bachelor's degree (B.Sc.) – Animal Production

بكالوريوس زراعة - الإنتاج الحيواني

Academic Program Description Form

University: of Basrah

College/Institute: of Agriculture

Department: of Animal Production

Program Name (academic or professional, Bachelor's, etc.): Bachelor's of Animal Prod. Science

Degree Awarded: Bachelor in Animal Production

Study System:

Date of Program Description Preparation: 2/11/2024

Date of File Submission: 9/11/2025

Signature:

Head of Department's Name: Fulul Okali Usur

date: 9/11/2025

Signature:

Academic Supervisor's Name: Sadiq Ibrahim

Date: 1/9/2025

This file has been reviewed by the

Quality Assurance and Academic Performance Unit

Head of Quality Assurance and Academic Performance Unit: Dr. Riyadh A. Irmayla

Date: 9/11/2025

Signature:

Dean's Approval:

Prof. Dr. Sarmad Ghazi

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1. Mission & Vision Statement

Vision Statement

Preparing and qualifying trained technical cadres capable of providing the private sector and relevant government institutions (faculties of agriculture - Ministry of Agriculture and its affiliated departments - specialized institutions and research centers) with scientific competencies and distinguished technical expertise in animal production that help improve and increase the domestic product of the food basket to achieve an economic return and make a qualitative leap in performance commensurate with the population increase and the requirements of the labor market and keep pace with development and global development**.**

The Department of Animal Production, through the College of Agriculture, aspires to be a high-level scientific center, which enhances the march of scientific and technical progress and provides scientific and practical advice for investment projects, and contributes to economic development through the development and development of livestock in Iraq.

Mission Statement

Encouraging young graduates of preparatory schools and agricultural institutes to engage in agricultural academic training for Iraqi colleges of agriculture to ensure that they obtain future job opportunities that serve the labor market and develop the foundations of sustainable development in Iraq to enhance food security.

Commitment to prepare agricultural engineers who keep pace with the needs of the labor market capable of competing and contributing to the development of the fields of animal production and following the latest advanced educational systems and applying systems to preserve the environment and serve the community.

Program Specification .2

Programme code:	BSc-BIO	**ECTS**	240
Duration:	4 levels, 8 Semesters	**Method of Attendance:**	Full Time

The Department of Animal Production is one of the main scientific departments in the structure of the College of Agriculture at the University of Basra. The department seeks to graduate trained professional technical cadres specialized in the management and development of animal production projects according to modern scientific methods to advance the reality of animal production in Iraq and contribute to providing food security for the country. The performance of the scientific department is consistent with the strategy of the college and the university to advance the agricultural reality in the province of Basra and in the southern region of Iraq in general and contribute to finding solutions to the problems of poverty and hunger in the world and adopting the concept of sustainable development of livestock resources at the level of humanitarian goals. The activities of the department in achieving its objectives face many obstacles that limit development and achievement, foremost of which is the absence of legal legislation that enhances the protection of livestock, codifies the investment of available resources and the development of their management, as well as the lack of effective workshops to link academic institutions with the community to generalize the benefit of scientific achievement of research and training in public and private sector projects.

The department aims to graduate students specialized in livestock sciences in its various subjects, which contributes to filling the shortage in this specialization as well as contributing to the development of animal projects in Iraq.

Basra Governorate in southern Iraq is famous for its fresh water bodies, many practice the activities of raising buffaloes, cows, sheep and poultry of various kinds in different areas of the province and the southern region in particular and throughout Iraq in general, so the need for good training for the workforce and the preparation of a specialized cadre of youth energies possessing the scientific and practical background in this field is one of the necessities. On this basis, the Department of Animal Production was established in recognition of these needs, and the development of the livestock sector in the province and the country can only be achieved through wise planning and exploitation of resources based on modern scientific techniques. Thus, the department aims to prepare qualified human cadres in several main areas: teaching, scientific research and animal husbandry.

The role of the department in this field can be summarized by the following points

Graduating scientifically distinguished cadres who hold a bachelor's degree and higher degrees of master's and doctorate to support state institutions and the private sector.

Preparing researchers with the ability to develop the reality of scientific research and introduce modern technologies in the field of animal production.

Program Objectives .3

1- Investing the energy of the youth in the government agricultural program and withdrawing them from focusing on some of the bloated specializations.

2- The use of modern scientific techniques in achieving the highest economic returns in light of the increasing production cost changes as a result of the pressure of climate change and competition with major global producers, and the development of work methods through electronic governance.

3- Increasing the domestic product of food by local hands and efficiency and reducing dependence on foreign imports.

4- Supporting investment and research funding for applied pioneering projects in the field of animal production sciences for the public and private sectors.

5- Qualifying and developing scientific cadres of teachers, technicians and distinguished students through training courses and workshops that simulate the labor market and sustainable development and supporting fellowships and scholarships to achieve leadership and excellence in animal production sciences.

6- Supporting and marketing applied research in the field of animal production.

7- Activating relations with universities, research centers and advanced international scientific institutions in the field of animal production.

8- Developing a culture of voluntary community service and cooperation with the private sector in the field of animal production to contribute to raising awareness, applying modern experiences and stabilizing the market.

9- Effective contribution to enhancing the university's position and classification internationally through distinguished studies and research in animal production and publishing in sober scientific journals.

10- Periodic review of the curricula of the Department of Animal Production / Colleges of Agriculture in Iraq in preliminary and postgraduate studies in accordance with the standards of changes, development and global competition, and the use of the sectoral committee meeting in the periodic review.

11- The academic program in the Department of Animal Production is concerned with the development of human cadres and the scientific qualification of graduate students in the management of agricultural animals, domestic birds and fish according to the following sciences and disciplines: (animal management - animal nutrition - animal physiology - animal breeding and improvement - various animal products).

The department is keen to integrate as much as possible between practical and theoretical lessons and seeks to provide laboratories and fields that help refine students' skills and turn them into practical experiences, as well as focusing on field practice and summer training courses.

Student Learning Outcomes .4

1: Knowing the most important animals that can contribute to increasing a certain type of animal production.

2: Knowing the most important types of animals prevalent in the region and thus finding a program to breed them and increase their production.

3: Finding a balance between growing crops to feed humans and fodder crops used in feeding animals.

4: Identifying the most important compounds and elements needed by animals.

5: Harvesting plants at appropriate times that can benefit the producer and then the animal.

6:Trying to raise the product from field crops and animal production alike.

Outcome 1

Identification of Complex Relationships

Identify and learn about different animals and the most important world-famous breeds.

Know the requirements for any type of production and the ideal conditions that suit these animals.

Field operations necessary for farm animals.

Enabling students to solve problems related to diseases.

Outcome 2

Oral and Written Communication

Ask questions and answers in the classroom.

Raise environmental and scientific problems and transform to find solutions.

Outcome 3

Laboratory and Field Studies

Graduates will be able to perform laboratory experiments and field studies, by using scientific equipment and computer technology while observing appropriate safety protocols.

Outcome 4

Scientific Knowledge

Enable the student to communicate with modern sciences related to his specialization and other agricultural specializations.

Lectures, seminars and seminars

Field Practice and Scientific Laboratories

Outcome 5

Data Analyses

Graduates will be able to demonstrate scientific quantitative skills, such as the ability to conduct simple data analyses.

Outcome 6

Critical Thinking

Graduates will be able to use critical-thinking and problem-solving skills to develop a research project and/or paper.

Academic Staff .5

Teaching Name	Scientific title	Certification	Specialization		E-mail Address	Phone Number
			General	Exact		
Assist. Prof.. Jalal Akili Yusr	Assist. Prof.	Ph. D.	Animal production	Animal Nutrition	jalal.usur@uobasrah.edu.iq	07703162613
Prof. Asaad Yahya Ayed	Professor	Ph. D.	Animal production	Breeding and improving animals	asaad.yheia@uobasrah.edu.iq	07801009823
Prof. Khalid Chillab Kridie Al-Salhie	Professor	Ph. D.	Animal production	Avian Physiology	khalid.chillab@uobasrah.edu.iq	07802671759
Prof. Waleed Yousef Qasim	Professor	Ph. D.	Animal production	Animal physiology	waleed.yosief@uobasrah.edu.iq	07710566885
Prof. Khalaf Abdul razzaq Hassan	Professor	Ph. D.	Animal production	Physiology and reproduction	khalaf.hassan@uobasrah.edu.iq	07703160339
Prof. Rabia Jadoua Abbas	Professor	Ph. D.	Animal production	Poultry Nutrition	Rabia.jaddoa@uobasrah.edu.iq	07801336427
Prof. Hana Ali Jabbar	Professor	Ph. D.	Animal production	Animal feeding technologies	hanaa.jaba@uobasrah.edu.iq	07809304474
Prof. Maged Hassan Abdel Reda	Professor	Ph. D.	Animal production	Poultry technology	majid.hassan@uobasrah.edu.iq	07829554097
Prof. Muntaha Yaqoub Youssef	Professor	Ph. D.	Animal production	Milk cattle production	muntaha.yousief@uobasrah.edu.iq	07705622704
Dr. Qutayba Jassim Ghani	Assist. Prof.	Ph. D.	Animal production	Avian Physiology	qutiba.chemi@uobasrah.edu.iq	07713778899
Dr. Raghdan Hashem Mohsen	Assist. Prof.	Ph. D.	Animal production	Biotechnology	Raghdan.Mohsin@uobasrah.edu.iq	07710820366
Dr. Sabah Kadhum Marzouq	Assist. Prof.	Ph. D.	Animal production	Poultry production	sabah.kadhum@uobasrah.edu.iq	07703454585

Dr. Sajida Abdul samad Muhaid	Assist. Prof.	Ph. D.	Animal production	Poultry breeding improvement	sajida.mejeed@uobasrah.edu.iq	07739845744
Dr. Alfred Soulaka Koomi	Assist. Prof.	Ph. D.	Animal production	Poultry management	alfred.solaka@uobasrah.edu.iq	07801776649
Dr. Hassan Nima Habib	Assist. Prof.	Ph. D.	Animal production	Biotechnology	hassan.nima@uobasrah.edu.iq	07705719921
Dr. Ghaida Ali Makki	Assist. Prof.	Ph. D.	Animal production	Meat technology	ghaidda.makki@uobasrah.edu.iq	07707563440
Dr. Esraa Yaqoub Yousef	Assist. Prof.	Ph. D.	Animal production	Meat technology	asraa.yousif@uobasrah.edu.iq	07804181958
Dr. Adnan Jabbar Jadoua	Assist. Prof.	Ph. D.	Animal production	Milk cattle production	adnan.jaddoa@uobasrah.edu.iq	07731414028
Dr. Falah Abdul mohsen Abdullah	Assist. Prof.	Ph. D.	Animal production	Physiology and reproduction	falah.abd_allah@uobasrah.edu.iq	07705603040
Dr. Hoda Faleh Saad	Assist. Prof.	Ph. D.	Animal production	Poultry management	huda.falih@uobasrah.edu.iq	07726585244
Dr. Faleh Hassan Hamad	Assist. Prof.	Ph. D.	Animal production	Molecular genetics	falih.hamad@uobasrah.edu.iq	07817230608
Dr. Jaafar Mohammed Awaid	Assist. Prof.	Ph. D.	Animal production	Molecular genetics	jaffar.owaid@uobasrah.edu.iq	07802820782
Dr. Salah Mahdi Mohsen	Assist. Prof.	Ph. D.	Animal production	Breeding genetics improvement of poultry	salah.mohsen@uobasrah.edu.iq	07716141475
Dr. Zainab Ali Kadhum	Lecturer	Ph. D.	Animal production	Poultry technology	zainab.kadem@uobasrah.edu.iq	07709047410
Prof. Iftikhar Hassan Mohsen	Assist. Prof.	Master	Animal production	Meat technology	eftekhar.hassan@uobasrah.edu.iq	07703160312
Dr. Bashar Faleh Zaghir	Lecturer	Ph. D.	Animal production	Breeding and improving animals	Bashar.Zageer@uobasrah.edu.iq	07812684864
Dr. Alia Jeri Shabib	Lecturer	Ph. D.	Animal production	Meat science	aliaa.shabeeb@uobasrah.edu.iq	07703160318
. Alaa Kadhum Mousa	Lecturer	Master	Animal production	Biotechnology	alaa.mousa@uobasrah.edu.iq	07809092749

. Manal Ali Ahmed	Lecturer	Master	Animal production	Animal Nutrition	manal.ahmed@uobasrah.edu.iq	07729249600
Tariq Ibrahim Majeed	Assistant Lecturer	Master	Animal production	Avian Physiology	tarik.majed@uobasrah.edu.iq	07710841114

Credits, Grading and GPA .6

Credits

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

Grading

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

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

Calculation of the Cumulative Grade Point Average (CGPA)

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

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

   CGPA = [(1st module score x ECTS) + (2nd module score x ECTS) + ……] / 240

Curriculum/Modules .7

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENGL106	English language	33	17	2	B	
DEHR105	Democracy and Human rights	33	17	2	B	
ANPR123	Animal Production	78	97	7	C	
ANCH121	Analytical chemistry	78	97	7	S	
MATH111	Mathematics	93	57	5	B	
ZOOL126	Zoology	78	97	7	C	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARAL104	Arabic language	33	17	2	B	
COMP101	Computer	33	17	2	B	
DOBR112	Domestic Bird	78	97	7	C	
PLPR122	Plant Protection	78	72	6	S	
ORCH125	Organic Chemistry	78	72	6	S	
SOIL114	Soil Science	78	97	7	S	

Contact .8

Program Manager:
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University of Basrah
جامعة البصرة

First Cycle – bachelor's degree (B.Sc.) – Animal Production

بكالوريوس زراعة - الإنتاج الحيواني

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1. Overview

This catalogue is about the courses (modules) given by the program of Animal Production to gain the Bachelor of Agriculture Science degree. The program delivers (40) Modules with (6000) total student workload hours and 240 total ECTS. The module delivery is based on the Bologna Process.

2. Undergraduate Courses 2024-2025

Module 1

Code	Course/Module Title	ECTS	Semester
ENGL106	English language	2	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 2

Code	Course/Module Title	ECTS	Semester
DEHR105	Democracy and Human rights	2	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	0	33	17
Description			
This section includes a description of the module, 100-150 words			

Module 3

Code	Course/Module Title	ECTS	Semester
ANPR123	Animal Production	7	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	97
Description			
This section includes a description of the module, 100-150 words			

Module 4

Code	Course/Module Title	ECTS	Semester
ANCH121	Analytical chemistry	7	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	97
Description			
This section includes a description of the module, 100-150 words			

Module 5

Code	Course/Module Title	ECTS	Semester
MATH111	Mathematics	5	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
3		48	77
Description			
This section includes a description of the module, 100-150 words			

Module 6

Code	Course/Module Title	ECTS	Semester
ZOOL126	Zoology	7	1
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	97
Description			
This section includes a description of the module, 100-150 words			

Module 7

Code	Course/Module Title	ECTS	Semester
ARAL104	Arabic language	2	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 8

Code	Course/Module Title	ECTS	Semester
COMP101	Computer	2	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 9

Code	Course/Module Title	ECTS	Semester
DOBR112	Domestic Bird	7	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	97
Description			
This section includes a description of the module, 100-150 words			

Module 10

Code	Course/Module Title	ECTS	Semester
PLPR122	Plant Protection	6	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	72

Description
This section includes a description of the module, 100-150 words

Module 11

Code	Course/Module Title	ECTS	Semester
ORCH125	Organic Chemistry	6	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	72
Description			
This section includes a description of the module, 100-150 words			

Module 12

Code	Course/Module Title	ECTS	Semester
SOIL114	Soil Science	7	2
Class (hr/w)	**Lect/Lab./Prac./Tutor**	**SSWL (hr/sem)**	**USWL (hr/w)**
2	3	78	97
Description			
This section includes a description of the module, 100-150 words			

Contact

Program Manager:
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MODULES DESCRIPTION

وصف المواد الدراسية

قسم الإنتاج الحيواني

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**English language**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory**	
Module Code	**UOB102**			☐**Lecture**	
ECTS Credits	**2**			☐ **Lab**	
SWL (hr/sem)	**50**			☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Level	1		**Semester of Delivery**	**One**	
Administering Department	**Animal Production**		**College**	**Agriculture**	
Module Leader	Name		**e-mail**	E-mail	
Module Leader's Acad. Title	Assist. Prof.		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Dr. Hassan Nima Habib		**e-mail**	hassan.nima@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	31/08/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1-The aim of this course is to provide English learners with integrated language skills such as reading, listening and writing resulting in a level of basic language knowledge. 2-This course will focus on grammar rules, basic word knowledge and usage, reading comprehension, reading out of the lesson, and Paragraph writing. 3- A student may be able to listen to native speakers and speak English Language. 4- A student may be able to write and have creativity in his writing.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	.1 - Uses expressions of Quantity in elementary level of English. 2- Constructs sentences in Present Perfect Tense, Simple Future Tense and Going to Future Tense both in an oral and written task. 3- Defines basic Modals and employ them in elementary level of communication and writing skills. 4- Translates sentences in elementary level from English to another language. 5- Interprets the texts written in elementary level of English.
Indicative Contents المحتويات الإرشادية	Language is a rule-governed behavior. It is defined as the comprehension and/or use of a spoken (i.e., listening and speaking), written (i.e., reading and writing), and/or other communication symbol system (e.g., American Sign Language). Spoken and written language are composed of receptive (i.e., listening and reading) and expressive (i.e., speaking and writing) components. Spoken language, written language, and their associated components (i.e., receptive and expressive) are each a synergistic system comprised of individual language domains (i.e., phonology, morphology, syntax, semantics, pragmatics) that form a dynamic integrative whole Phonology study of the speech sound (i.e., phoneme) system of a language, including the rules for combining and using phonemes. Morphology study of the rules that govern how morphemes, the minimal meaningful units of language, are used in a language. Syntax the rules that pertain to the ways in which words can be combined to form sentences in a language.

	Semantics the meaning of words and combinations of words in a language.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Enable students to recognize: 1 - Enabling students to communicate effectively and appropriately in real-life situations. 2 - Enabling students to use the English language effectively for the purpose of study across the curriculum. 3 - Enabling students to develop and integrate the use of the four language skills: reading, listening, speaking and writing. 4 - Enabling students to develop interest in and learn about literature. 5- Enable students to review and reinforce the structure that has already been learned

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	32	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	18	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Structure of English sentence
Week 2	Present simple tense.
Week 3	Past simple tense.
Week 4	Present and past continuous tenses
Week 5	Future tense
Week 6	Possessive Adjectives
Week 7	Pronoun personal
Week 8	Preposition.
Week 9	Intransitive and transitive verbs
Week 10	Adverbs forms
Week 11	Performative verbs

Week 12	Possessive
Week 13	The plural of nouns and A singular noun
Week 14	The adjectives
Week 15	EXAM

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Yule, G. (2015). Oxford practice grammar advanced. Oxford University Press. Alexander, L. G. (2019). Longman English grammar practice. Addison Wesley.-	Yes
Recommended Texts	Various university research and dissertations in the English language related to animal productio	
Websites	https://agendaweb.org/listening/dictations.html	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Democracy and Human Rights**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory**	
Module Code	**UOB104**			☐**Lecture**	
ECTS Credits	**2**			☐ **Lab**	
SWL (hr/sem)	**50**			☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Level	1		**Semester of Delivery**	**One**	
Administering Department	**Animal Production**		**College**	**Agriculture**	
Module Leader	Name		**e-mail**	E-mail	
Module Leader's Acad. Title	Prof.		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Wedad Salim Mohammad Al-Neam		**e-mail**	E-mail widad.mohammad@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	01/06/2023		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	أ . تعليم الطلبة على أساسيات حقوق الإنسان وقوانينه. ب. التعرف على الحقوق وأهم الإشكاليات والتحديات التي تواجهها. ج- تحديد وفهم المفاهيم المتعلقة بالحريات، بمافي ذلك الحقوق الفردية والحريات الشخصية . د. تنمية القدرة على التفكير النقدي حول القضايا المتعلقة بالحريات والحقوق الفردية.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1-أن يعرف الطالب مفهوم الحقوق وقوانينها وتطبيقاتها. 2-أن يعرف الطالب كيفية المشاركة ف ي نشر الحقوق وتطبيقها بالعمل الواقعي الحقيقي. 3-القدرة على استخدام الحقوق وسيلة من أجل التعايش السلمي بين مكونات المجتمع وجميع المخلوقات. 4-القدرة على مشاركة الآخرين في نشر هذه الحقوق. 5-القدرة على تحليل وتعريف مفهوم الحرية والتمييز بين أنواع مختلفة من الحريات. 6-التفاعل مع قضايا الحريات على الصعيدين الوطني والدولي والتأثير في تشكيل الرأي العام.
Indicative Contents المحتويات الإرشادية	الحقوق والحريات الأساسية وغير الأساسية الحقوق والحريات المدنية الحقوق السياسية حقو ق الانسان والقانون الدولي الإنساني

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1-المشاركة بالتحضير في قاعة الدرس 2-طريقة الأسئلة والأجوبة في قاعة الدرس 3-الواجبات ت 4-التقارير

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	32	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	18	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	تعريف الحقو ق

Week 2	أنواع حقوق الانسان
Week 3	الحقوق الأساسية وغير الأساسية
Week 4	الحقوق المدنية، الحقوق السياسية
Week 5	الحقوق الاقتصادية والاجتماعية والثقافية الحقوق الفردية والحقوق الجماعية
Week 6	طائفة الحقوق الجديد ة حقوق الانسان والقانون الدو لي الإنساني العلاقة بين حقوق الانسان والقانون الدو لي الانساني
Week 7	امتحان
Week 8	ما هو مفهوم الحريات: مصطلح الحرية والحريات العامة
Week 9	التطور في مفهوم الحريات العامة
Week 10	أشكال الحريات العامة وأنواعه
Week 11	النظام القانوني للحريات العامة
Week 12	تنظيم الحريات العامة من قبل السلطات العامة
Week 13	ضمانات الحريات العامة
Week 14	الحريات في الفكر السياسي الحديث
Week 15	الامتحان النهائي

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Diamond L. & M. F. Plattner, eds., (2009), Democracy. A Reader, Baltimore, Johns Hopkins University Press.	Yes
Recommended Texts	مفهوم الحريات العامة وحقوق الانسان، اطارها التاريخي والفكري والفلسفي، وضماناتها الأساسية	

Websites	http://ghrorg-learning.blogspot.com	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Animal Production**			**Module Delivery**	
Module Type	**Core**			☒ **Theory** ☐ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**ANPR123**				
ECTS Credits	**7**				
SWL (hr/sem)	**175**				
Module Level	1		**Semester of Delivery**	**One**	
Administering Department	**Animal Production**		**College**	**Agriculture**	
Module Leader	**Prof. Dr. Rabia Jaddoa Abbas**		**e-mail**	**E-mail: :** rabia.jaddoa@uobasrah.edu.iq	
Module Leader's Acad. Title	**Professor**		**Module Leader's Qualification**	**Ph.D.**	
Module Tutor	**Dr. Zainab Ali Kadem**		**e-mail**	**Email :** zainab.kadem@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	29/08/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	Enables the student to gain knowledge: 1. The importance of the science of the principles of animal production, which deals in detail with the economic importance of livestock and types of global and local livestock, and their management and care. 2. Studying the types and importance of other farm animals such as buffaloes, sheep and goats, and their management and care.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Familiarity with general information about animal production and its economic and nutritional importance. 2. Discuss the factors affecting production efficiency and how to improve it. 3. Explain and clarify the obstacles facing livestock and ways to improve it. 4. Introducing students to livestock, their types, and how to care for them. 5. Introducing students to dual-purpose cattle and local and international sheep and goat breeds. 6. Defining how to establish and care for a flock of sheep and goats. 7. Defining the specifications of global and local buffalo and their different breeds. 8. We are introducing students to the importance of poultry projects and meat and egg production. 9. Providing an overview of Farm animals feed materials and the process for preparing balanced nutritional rations. 10. Explanation and clarification of health programs for animals, how to prevent diseases and ways to improve the health of animals and increase their productivity. 11. A detailed explanation of the importance of raising calves and heifers and providing the necessary needs for their rearing. 12. A detailed description of the reproductive system of cows and a statement of its importance in the reproductive process, and how to increase the reproductive efficiency of the animal and increase the birth rate. 13. Explain animal breeding and improvement programs and discuss the importance of breeding, selection, and exclusion of weak animals.

	14. A detailed explanation of the importance of camels and the equine species and how to manage and care for them.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. 1. Disseminating the culture of livestock's nutritional and economic importance as a major source of agricultural wealth and having a major role in the Country's economy. 2. Following modern methods and techniques in animal management, milking operations, and large animal slaughterhouses. 3. Teaching students the role of successful management (human factor or the breeder himself) of small and large ruminant fields. 4. Spreading the culture of benefiting from animal by-products such as manure waste and animal waste, and benefiting from animals in work. 5. Identifying the types of farm animals and the most important projects related to their breeding. 6. Solving administrative problems in cattle, sheep, and goat breeding fields.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Enabling students to think and analyze topics related to the intellectual framework of the Principles of Animal Production subject 2. Enabling students to think and analyze topics related to animal species and the most important projects related to their breeding. 3. Enabling students to think and analyze topics related to identifying administrative problems in animal fields and working to address them. 4. Enabling students to think and analyze to identify the role of management (the role of the human factor or the breeder himself) in the success of animal fields of various types.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem)	78	**Structured SWL (h/w)**	5

الحمل الدراسي المنتظم للطالب خلال الفصل		الحمل الدراسي المنتظم للطالب أسبوعيا	
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	97	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	6
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**175**		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	A general introduction to animal production and its importance.
Week 2	Factors affecting the production efficiency of farm animals.

Week 3	Obstacles facing animal production in Iraq and ways to improve them.
Week 4	Cattle classification - global dairy cows - management and care.
Week 5	Dual-purpose cows - Iraqi cows - International breeds of sheep and goats. First Exam.
Week 6	Establishing and managing a flock of sheep and goats**.**
Week 7	Buffalo - general characteristics of buffalo - physiological characteristics - breeds of buffalo.
Week 8	Poultry birds - the economic importance of poultry projects- the production of eggs and meat.
Week 9	Nutrition and feed- Preparing animal feed.
Week 10	Health care for agricultural animals. Second Exam.
Week 11	The importance of raising calves and heifers in cow fields.
Week 12	The physiology of reproduction and artificial insemination.
Week 13	Genetic improvement in poultry. Third Exam.
Week 14	Other agricultural animals - camels - their management and care.
Week 15	Other Farm Animals - Horses - Fish - Their Management and Care.
Week 16	End of Semester Exam.

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر(الحقل **Filed**)	
	Material Covered
Week 1	Lab 1: Visit the animal field (cow and sheep fields).
Week 2	Lab 2: Joint field operations for cows and sheep.
Week 3	Lab 3: Milking cows, learning about the lactation system of cattle and the automatic milking device.
Week 4	Lab 4: Suckling young calves.
Week 5	Lab 5: Learning about animal records.
Week 6	Lab 6: Scientific trip to one of the livestock projects.

Week 7	Lab 7: Methods of collecting semen and artificial insemination.
Week 8	Lab 8: Feed materials and feed composition.
Week 9	Lab 9: Animal housing.
Week 10	Lab 10: Parasite control and treatment.

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Principles of Animal Production, written by Dr. Muzaffar Nafie Al-Sayegh - Dr. Taha Jassem Al-Taha - Dr. Suhaib Saeed Alwan Al-Zubaidi (1987).	Yes
Recommended Texts	Basics of animal production, written by A. Dr.. Ahmed Suleiman Mahmoud and A. Dr.. Mahmoud Riyad Al Mahdi (2013).	No
Websites	https://nicehatchincubators.com/the-principles-of-poultry-husbandry/	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Analytical Chemistry**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**ANCH121**				
ECTS Credits	**7**				
SWL (hr/sem)	**175**				
Module Level		1	**Semester of Delivery**		**One**
Administering Department		Animal production	**College**	Agriculture college	
Module Leader	Name		**e-mail**	E-mail	
Module Leader's Acad. Title		lecturer	**Module Leader's Qualification**		Ph.D.
Module Tutor	Abdulrahman Hasan Laftah		**e-mail**	E-mail abdulrahman.laftah@uobasrah.edu.iq	
Peer Reviewer Name		Name	**e-mail**	E-mail	
Scientific Committee Approval Date		01/09/2024	**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	• The student's knowledge of the scientific foundations of analytical chemistry, including the devices used, chemicals, and the common cause of common tools.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The modern teaching strategy includes achieving learning objectives in general and teaching chemical concepts in particular, as well as the difficulties students face in understanding and acquiring organic chemistry concepts, and addressing the difficulties by defining organic chemistry concepts and helping students acquire the correct chemical concepts..

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5

Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	97	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	6
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**175**		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction to Analytical Chemistry and Equivalent Gravimetry
Week 2	Volumetric analysis - solutions - calculations
Week 3	Methods of expressing concentration (molarity, standard, normality, weight and volume ratio)
Week 4	Acids and bases

Week 5	pH - Degree of ionization
Week 6	First exam
Week 7	Hydrolysis of salts - types of salts
Week 8	Buffered Solutions - Guides
Week 9	Setting the equivalence point
Week 10	Oxidation and reduction corrections
Week 11	Volumetric analysis processes
Week 12	Types of corrections
Week 13	Gravimetric analysis - Gravimetric coefficient
Week 14	Precipitating reagents - post-precipitation
Week 15	Second exam
Week 16	

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts		Yes
Recommended Texts		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
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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

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MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Mathematics**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐ **Lecture** ☐ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**STAT124**				
ECTS Credits	**5**				
SWL (hr/sem)	**125**				
Module Level	1		**Semester of Delivery**	1	
Administering Department	Type Dept. Code		**College**	Type College Code	
Module Leader			**e-mail**	samir.lazim@uobasrah.edu.iq	
Module Leader's Acad. Title	Professor		**Module Leader's Qualification**	MS.c	
Module Tutor	Samir Khairi Lazim		**e-mail**	samir.lazim@uobasrah.edu.iq	
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date	01/09/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. **تزويد الطالب بالطرق المتنوعة في المشتقة والتكامل للدوال من أجل تنمية قدراته العقلية عند حل التمارين .** 2. **تمكين الطلبة من التوصل إلى حل للمشكلة والاستفادة منها في مواد علمية أخرى.** 3. **- تعلم كيفية التعامل مع المتجهات وتحليلها لزيادة معرفته عند التعامل مع الكميات الفيزيائية وتطبيقها في دروسه العلمية التخصصية.** 4. **ربط البيانات الرياضية بمعلوماته للوصول إلى حل للقضية والاستفادة منها في موضوعات علمية أخرى.** 5. **سيكون الطلاب بعد اجتياز هذه الدورة قادرين على فهم مبادئ الرياضيات الأساسية ويمكنهم التعامل مع المشاكل الرياضية المختلفة مما يجعلهم مؤهلين لفهم مواضيع جديدة أكثر تعقيدًا.**
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. **فهم وتطبيق مجموعة متنوعة من الأساليب الرياضية: يتعلم الطلاب مجموعة متنوعة من الطرق والأساليب الرياضية المختلفة التي يمكن استخدامها لحل المسائل الرياضية المعقدة.** 2. **تطوير مهارات التفكير النقدي :يتم تعزيز مهارات التحليل والتركيب والتفكير النقدي عندما يتعلم الطلاب طرقًا رياضية متنوعة .يتم تشجيع الطلاب على التفكير بشكل منهجي والتحليل العميق للمسائل الرياضية** 3. **القدرة على حل المسائل الرياضية المعقدة: يتعلم الطلاب كيفية تحليل وفهم المسائل الرياضية المعقدة وتطبيق الأساليب والتقنيات الرياضية المناسبة لحلها بشكل صحيح.** 4. **التفكير الإبداعي والابتكار: يشجع تعلم طرق رياضية متنوعة الطلاب على التفكير الإبداعي والابتكار في مجال حل المسائل الرياضية. يتعلم الطلاب كيفية تطوير حلول جديدة وفريدة باستخدام الأساليب الرياضية.**
Indicative Contents المحتويات الإرشادية	مقدمة عن الدالة – منطلق ومدى الدالة - أمثلة وتمارين حول مدى ومنطلق الدالة - غاية الدالة – غاية الدالة ان وجدت – فحص غاية يمين ويسار الدالة. [SSWL=15 hrs] غاية الدالة اللانهائية – أمثلة وتمارين - رسم الدوال بابسط صورة ممكنة - المشتقة – الصيغ العامة للأشتقاق – مشتقة الدالة البارامترية – التفاضل الضمنية. [15 hrs] تطبيقات المشتقة لأيجاد معادلة المستقيم المماس لمنحني الدالة – قاعدة السلسلة [SSWL=10 hrs] مقدمة عن التكامل- صيغ التكامل الغير محدد- التكامل المحدد - الدوال اللوغارتمية – الخواص - مشتقة وتكامل الدوال اللوغارتمية [SSWL=15 hrs] مراجعة عامة وتمارين [SSWL=6 hrs] الدوال الأسية – الخواص – مشتقة وتكامل الدوال الأسية - الدوال المثلثية – الخواص – مشتقة وتكامل الدوال المثلثية [SSWL=15 hrs]

	مقدمة عامة عن المتجهات – وحدة المتجه – معادلة المتجه في المستوي - المتجه في الفضاء – معادلة المتجه في الفضاء [SSWL=14 hrs] المتجه في الفضاء – معادلة المتجه في الفضاء - ضرب المتجهات – الضرب الثنائي العددي والمتجهي – الضرب الثلاثي العددي والمتجهي [SSWL=15 hrs] Total hrs = 105 = SSWL - (Exam hrs) = 109 - 4 = 105 hr (Time table hrs x 15 weeks)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	الاستراتيجية الرئيسية التي سيتم اعتمادها في تقديم هذه الوحدة هي تشجيع مشاركة الطلاب في التمارين، والتي سيتم تحقيقها من خلال المشاركة في الأنشطة التعليمية التي تساهم في تطوير استراتيجيات حل المشكلات ومهارات التفكير لفهم المفاهيم الرياضية. إن استخدام استراتيجيات التدريس التي تتطلب المشاركة المعرفية في بناء المعرفة الجديدة يسلط الضوء على أهمية حل المشكلات في الرياضيات. إن استخدام مهام حل المشكلات التي تلبي طرق التفكير المختلفة التي يظهرها الطلاب، بناءً على المعرفة التي يجلبونها إلى الفصل الدراسي.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	77	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	3	15% (15)	5 and 10	LO #1, #2 and #10, #11
	Assignments	3	15% (15)	2 and 12	LO #3, #4 and #6, #7
	Projects / Lab.	0	0	Continuous	All
	Report	1	10%(10)	13	LO #5, #8 and #10
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		100% (100 Marks)

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	مقدمة عن الدالة – منطلق ومدى الدالة
Week 2	أمثلة وتمارين حول مدى ومنطلق الدالة
Week 3	غاية الدالة – غاية الدالة ان وجدت – فحص غاية يمين ويسار الدالة
Week 4	غاية الدالة اللانهائية – أمثلة وتمارين
Week 5	رسم الدوال بابسط صورة ممكنة
Week 6	المشتقة – الصيغ العامة للأشتقاق – مشتقة الدالة البارامترية – التفاضل الضمني
Week 7	تطبيقات المشتقة لأيجاد معادلة المستقيم المماس لمنحني الدالة – قاعدة السلسلة
Week 8	مقدمة عن التكامل- صيغ التكامل الغير محدد- التكامل المحدد
Week 9	الدوال اللوغارتمية – الخواص - مشتقة وتكامل الدوال اللوغارتمية
Week 10	الدوال الأسية – الخواص – مشتقة وتكامل الدوال الأسية
Week 11	الدوال المثلثية – الخواص – مشتقة وتكامل الدوال المثلثية
Week 12	مقدمة عامة عن المتجهات – وحدة المتجه – معادلة المتجه في المستوي
Week 13	المتجه في الفضاء – معادلة المتجه في الفضاء
Week 14	ضرب المتجهات – الضرب الثنائي العددي والمتجهي – الضرب الثلاثي العددي والمتجهي

Week 15	أسبوع التحضير قبل الامتحان النهائي

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.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	[1] Thomas' Calculus: Thirteenth Edition , George B. Thomas, Jr.2006 [2] التفاضل والتكامل-تاليف الدكتور علي عزيز علي وعبد الرزاق علي الجامعة المستنصرية- 1980	Yes
Recommended Texts		
Websites		

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Zoology**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**ZOOL126**				
ECTS Credits	**7**				
SWL (hr/sem)	**175**				
Module Level	1		**Semester of Delivery**		**One**
Administering Department	Animal production		**College**	Agriculture	
Module Leader			**e-mail**		
Module Leader's Acad. Title	Professor		**Module Leader's Qualification**		Ph.D.
Module Tutor	Khalid Chillab Kridie Al-Salhie		**e-mail**	E-mail Khalid.chillab@uobasrah.edu.iq	
Peer Reviewer Name	Ala Kadhum Mousa		**e-mail**	E-mail	
Scientific Committee Approval Date	1/9/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	Zoology involves the study of the structure and function of animals, biodiversity and ecology of ecosystems, and conservation biology. This knowledge is essential in order to understand, protect and manage species, habitats and ecosystems. The course aims to provide students with a wide skillset, and covers both local and global terrestrial and aquatic zoological issues whilst encouraging both a theoretical and applied approach to the subject. This course offers great opportunities for students interested in environment and species management or in becoming part of the global scientific community.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Important: Write at least 6 Learning Outcomes, better to be equal to the number of study weeks. 1. Learn the importance of studying zoology. 2. Learn about the characteristics of the animal kingdom. 3. Learn about the characteristics and components of animal cells. 4. Description of cell division and its types. 5. Learn the rules of scientific nomenclature. 6. Discuss the physical and chemical nature of protoplasm. 7. Learn about the characteristics of animal phylums.
Indicative Contents المحتويات الإرشادية	This course is an introduction to the scientific study of animals. Students will explore the wonders of the animal kingdom through investigations of the physiology, reproduction, development, form and function of a wide diversity of both invertebrates and vertebrates. Students will learn through lectures and videos, practicals and independent study. This major will provide students with a sound knowledge and understanding of animal structure and function and the evolutionary processes that have engendered animal diversity. Zoologists also study physiology, reproduction, behaviour, community ecology and molecular genetics. Zoology underpins society's interest in conservation and marine science including major contributions to current research in ecosystem management.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1- Enabling students to think and analyze topics related to the intellectual framework of the subject administration of zoology. 2- Enabling students to think and analyze topics related to measuring productivity. 3- Enabling students to think and analyze how to provide environmental conditions that affect animal phylums and their relationship to their production and health status

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	97	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	6
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**175**		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Definition of zoology and its relationship to other sciences.
Week 2	The importance of studying zoology.
Week 3	Characteristics of the animal kingdom.
Week 4	Animal cell, its components and features.
Week 5	Cell division.
Week 6	Protoplasm and its chemical and physical properties.
Week 7	Mid-term Exam
Week 8	Classification and scientific nomenclature.
Week 9	Digestive, metabolism and absorption.
Week 10	Protozoa Phylum.
Week 11	Cnidaria or Coelenterata Phylum.
Week 12	Porifera (sponges) Phylum.
Week 13	Platyhelminthes Phylum.
Week 14	Aschelminthes Phylum.
Week 15	Annelide Phylum**.**
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1: Microscope.
Week 2	Lab 2: Types of tissues.
Week 3	Lab 3: Practical application in protozoa phylum.
Week 4	Lab 4: Practical application in cnidaria phylum.
Week 5	Lab 5: Practical application in porifera phylum.
Week 6	Lab 6: Practical application in platyhelminthes phylum.
Week 7	Lab 7: Practical application in aschelminthes and annelide phylums.

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	Zahir,E. and Najam, S.(1989). Zoology. Book.	Yes
Recommended Texts	Various classification research and university theses, zoology.	yes
Websites	1- https://www.britannica.com/science/zoology 2- https://www.sciencedirect.com/journal/zoology	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Arabic language**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐**Lecture** ☐ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**UOB101**				
ECTS Credits	**2**				
SWL (hr/sem)	**50**				
Module Level	1		**Semester of Delivery**	**Two**	
Administering Department	Animal production		**College**	Agriculture	
Module Leader	Name		**e-mail**	E-mail	
Module Leader's Acad. Title	Professor		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Wedad Salim Mohammad Al-Neam		**e-mail**	E-mail widad.mohammad@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	01/06/2023		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	أهمية اللغة العربية للاختصاصات العلمية وميزتها بين اللغات الحية تجنب الاخطاء الشائعة وسلامة النطق
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	أن يتعرف الطالب على قواعد اللغة العربية أن يعرف الطالب كيفية بناء الجمل واستخراجها للعنوان المطلوب.
Indicative Contents المحتويات الإرشادية	تدرس اللغة العربية على عدة مستويات: المستوى النحوي: وهو المستوى الذي من خلاله يمكن معرفة المعنى التركيبي للنص. المستوى الصرفي وهو المستوى الذي يمكن من خلاله معرفة المعنى المتفرع على المعنى المعجمي، المستوى الدلالي: وهو المستوى الذي من خلاله يمكن معرفة دلالة الألفاظ (الجذر). المستوى الصوتي: وهو المستوى الذي يدرس الحروف والحركات والمقاطع الصوتية سواء كانت لفظا أو جزءا من لفظ.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The main strategy that will be adopted in delivering this module are: 1. Power point presentation (Data show). 2. Explanation on the white board using different color markers. 3. Discussions with the student during teaching. 4. Interaction with students through daily problems practice through lecture. 5. Solve different problems with more exercises. 6. Submit assignment that develop student learning.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	32	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	18	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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) المنهاج الاسبوعي النظري	
	Material Covered

Week 1	أهمية اللغة العربية
Week 2	للاختصاصات
Week 3	العلمية، وميزتها بين
Week 4	اللغات الحية
Week 5	سورة الكهف أسباب
Week 6	تفسير عشرون آية مع
Week 7	الحفظ
Week 8	قواعد اللغة
Week 9	العربية/قواعد في
Week 10	الإعراب
Week 11	المبتدأ والخبر
Week 12	الاحرف المشبهة
Week 13	بالفعل
Week 14	الأفعال الناقصة
Week 15	المفاعيل

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	كتاب منهجي	Yes
Recommended Texts		
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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Computer**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory**	
Module Code	**UOB103**			☐ **Lecture**	
ECTS Credits	**3**			☐ **Lab**	
SWL (hr/sem)	**75**			☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Level	1		**Semester of Delivery**	**Two**	
Administering Department	**Animal Production**		**College**	**Agriculture**	
Module Leader			**e-mail**		
Module Leader's Acad. Title	Assoc. Prof.		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Adnan Jabbar Jaddoa Al-Kanaan		**e-mail**	E-mail: adnan.jaddoa@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	31/08/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Navigate the Windows 10 Interface: Efficient use of the Start Menu, Taskbar, and Desktop. 2. Manage Files Effectively: Organize, create, and maintain files using File Explorer. 3. Personalize System Settings: Customize display, user accounts, and notifications. 4. Ensure Network Connectivity and Security: Connect to networks, browse safely, and protect data. 5. Apply Security and Troubleshooting Skills: Use Windows Defender, Firewall, and troubleshoot common issues.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Identify the main components of the Windows 10 operating system: Understand the roles of the Start Menu, Taskbar, Desktop, and File Explorer. 2. Demonstrate the ability to perform basic file management tasks: Create, organize, rename, and delete files and folders effectively. 3. Customize Windows 10 settings: Adjust personalization options, including desktop backgrounds, themes, and user account configurations. 4. Connect to and manage network settings: Establish Wi-Fi and Ethernet connections and troubleshoot common connectivity issues. 5. Use Windows 10 security features: Implement basic security measures using Windows Defender, Firewall, and User Account Control (UAC). 6. Perform system maintenance tasks: Utilize Task Manager, Disk Cleanup, and System Restore to maintain system performance. 7. Navigate and use built-in Windows 10 applications: Operate applications such as Microsoft Edge, Mail, Calendar, and Photos. 8. Apply basic troubleshooting techniques: Identify and resolve common system and application problems. 9. Optimize system performance: Use virtual desktops, manage startup programs, and optimize settings for efficient operation. 10. Understand and apply basic internet safety practices: Recognize secure websites, avoid phishing attacks, and safely download files.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. **Part A - Introduction to Computers and Hardware** 1. **Introduction to Computers** ○ Definition and purpose of computers ○ History and evolution of computers ○ Types of computers (desktop, laptop, tablet, etc.) [SSWL = 6 hrs] 2. **Computer Hardware Basics** ○ Understanding computer hardware components ○ Overview of the CPU, motherboard, RAM, and storage devices ○ Introduction to input and output devices [SSWL = 6 hrs]

3. **Inside the Computer**
    - Detailed exploration of internal components
    - How different parts work together (CPU, RAM, hard drive)
    - Basic troubleshooting and hardware maintenance

    [SSWL = 6 hrs]
4. **Peripheral Devices and Connectivity**
    - Common peripheral devices (mouse, keyboard, printer, etc.)
    - Introduction to ports and connectors (USB, HDMI, etc.)
    - How to set up and connect peripherals

    [SSWL = 6 hrs]

Part B - Software and Operating Systems

5. **Introduction to Software**
- Difference between hardware and software
- Types of software (system software vs. application software)
- Overview of popular software applications

[SSWL = 6 hrs]

6. **Introduction to Operating Systems**
    - Definition and role of operating systems
    - Overview of popular operating systems (Windows, macOS, Linux)
    - Basic functions of an operating system

    [SSWL = 6 hrs]
7. **Windows Operating System Overview**
    - History and evolution of Windows OS
    - Comparison of different Windows versions
    - Introduction to Windows 10 features

    [SSWL = 6 hrs]
8. **Installation and Setup of Windows 10**
    - System requirements for Windows 10
    - Installation process step-by-step
    - Initial setup and configuration

    [SSWL = 6 hrs]
9. **Navigating the Windows 10 Interface**
    - Understanding the Start Menu, Taskbar, and Desktop
    - Customizing the desktop environment
    - Using the search function effectively

    [SSWL = 6 hrs]

Part C - Advanced Features and Maintenance

10. **File Management in Windows 10**
    - Introduction to File Explorer
    - Creating, organizing, and managing files and folders
    - Understanding file types and extensions

    [SSWL = 6 hrs]
12. **Personalization and System Settings**
    - Customizing system settings and themes
    - Managing user accounts and passwords

	○ Configuring display, sound, and notification settings [SSWL = 6 hrs] 13. **Networking and Internet Basics** ○ Connecting to Wi-Fi and Ethernet networks ○ Overview of internet browsers and search engines ○ Basic online safety and security practices [SSWL = 6 hrs] 14. **Introduction to Virus Protection and Security** ○ Understanding computer viruses and malware ○ Overview of antivirus software and firewall settings ○ Best practices for online security and data protection [SSWL = 6 hrs] 15. **Troubleshooting and Maintenance** ○ Common problems and troubleshooting tips ○ Using the Task Manager and Control Panel ○ Basic maintenance tasks (updates, backups, disk cleanup) [SSWL = 6 hrs] 16. **Advanced Features and Tips in Windows 10** ○ Overview of Windows 10 productivity tools (Cortana, virtual desktops) ○ Using built-in applications (Microsoft Edge, Mail, Calendar) ○ Tips for optimizing system performance [SSWL = 6 hrs] 17. **Revision and Preparatory Week for Final Exam** ○ Review of key concepts and practical exercises ○ Practice exams and Q&A sessions [SSWL = 6 hrs] **Total hours** = 105 (SSWL - Self-Study and Lecture hours)

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The learning strategy for this model is focused on encouraging students to become familiar with computer hardware components, operating systems, and essential software. This approach will provide participants with a solid scientific foundation in the field of computing, which they will be able to practically apply in their studies within the agricultural sciences field. 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) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	27	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	2
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**75**		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	**Introduction to Computers** • Definition and purpose of computers • History and evolution of computers • Types of computers (desktop, laptop, tablet, etc.)
Week 2	**Computer Hardware Basics** • Understanding computer hardware components • Overview of the CPU, motherboard, RAM, and storage devices • Introduction to input and output devices
Week 3	**Inside the Computer** • Detailed exploration of the internal components • How different parts work together (CPU, RAM, hard drive) • Basic troubleshooting and hardware maintenance
Week 4	**Peripheral Devices and Connectivity** • Common peripheral devices (mouse, keyboard, printer, etc.) • Introduction to ports and connectors (USB, HDMI, etc.) • How to set up and connect peripherals
Week 5	**Introduction to Software** • Difference between hardware and software • Types of software (system software vs. application software) • Overview of popular software applications
Week 6	**Introduction to Operating Systems** • Definition and role of operating systems • Overview of popular operating systems (Windows, macOS, Linux) • Basic functions of an operating system
Week 7	**Windows Operating System Overview** • History and evolution of Windows OS • Comparison of different Windows versions • Introduction to Windows 10 features
Week 8	**Installation and Setup of Windows 10** • System requirements for Windows 10 • Installation process step-by-step • Initial setup and configuration
Week 9	**Navigating the Windows 10 Interface** • Understanding the Start Menu, Taskbar, and Desktop • Customizing the desktop environment • Using the search function effectively
Week 10	**File Management in Windows 10** • Introduction to File Explorer

	• Creating, organizing, and managing files and folders • Understanding file types and extensions
Week 11	**Personalization and System Settings** • Customizing system settings and themes • Managing user accounts and passwords • Configuring display, sound, and notification settings
Week 12	**Networking and Internet Basics** • Connecting to Wi-Fi and Ethernet networks • Overview of internet browsers and search engines • Basic online safety and security practices
Week 13	**Introduction to Virus Protection and Security** • Understanding computer viruses and malware • Overview of antivirus software and firewall settings • Best practices for online security and data protection
Week 14	**Troubleshooting and Maintenance** • Common problems and troubleshooting tips • Using the Task Manager and Control Panel • Basic maintenance tasks (updates, backups, disk cleanup)
Week 15	**Advanced Features and Tips in Windows 10** • Overview of Windows 10 productivity tools (Cortana, virtual desktops) • Using built-in applications (Microsoft Edge, Mail, Calendar) • Tips for optimizing system performance
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	**Introduction to Windows 10 Interface** • Explore the Start Menu, Taskbar, and Desktop. • Practice opening, closing, and organizing windows. • Customize the Start Menu and Taskbar. • Use the search function to locate apps and settings.
Week 2	**Basic File Management** • Navigate File Explorer and its main components. • Create, rename, move, and delete files and folders. • Use keyboard shortcuts for file operations (copy, cut, paste, undo). • Understand file properties and extensions.
Week 3	**Personalization and System Settings** • Change desktop backgrounds, themes, and screen savers. • Configure Taskbar and notification area icons. • Manage user accounts (create, modify, delete).

	• Adjust basic system settings: display, sound, notifications.
Week 4	**Networking and Internet Basics** • Connect to Wi-Fi and Ethernet networks. • Troubleshoot common network connectivity issues. • Use Microsoft Edge for browsing, bookmarking, and managing history. • Learn basic internet safety and security tips.
Week 5	**Security and Antivirus** • Access and navigate Windows Security settings. • Use Windows Defender for scans and threat management. • Configure basic Windows Firewall settings. • Manage user account control (UAC) for added protection.
Week 6	**Maintenance and Troubleshooting** • Monitor system performance using Task Manager. • End unresponsive tasks and manage startup programs. • Perform basic system maintenance (Disk Cleanup, System Restore). • Explore Control Panel for advanced settings.
Week 7	**Advanced Features and Optimization** • Use virtual desktops for multitasking. • Introduction to Windows PowerShell commands. • Customize and use built-in Windows apps (e.g., Calendar, Mail). • Tips for optimizing system performance.

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	**الربيعي، خالد عبد الوهاب** .(2020) *مدخل إلى علوم الحاسوب* .بغداد: دار الثقافة والنشر **حسن، علي عبد الله** .(2016) *مقدمة في الحاسوب ونظم التشغيل* .بغداد: دار الجامعات العراقية.	Yes
Recommended Texts	• **السامرائي، سعد عبد القادر** .(2014) *أساسيات الحاسوب ونظام التشغيل* .بغداد: دار الكتب والوثائق. • **الموسوي، محمد عبد الزهرة** .(2018) *نظم التشغيل والتحكم بالحاسوب* .بغداد: دار الفكر.	No
Websites	https://www.rwaq.org https://academy.hsoub.com http://www.cprogramming.comebooks.com/12082-free-book	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Domestic Bird**			**Module Delivery**	
Module Type	**Core**			☒ Theory ☐ Lecture ☒Lab ☐ Tutorial ☐ Practical ☐ Seminar	
Module Code	**DOBR112**				
ECTS Credits	**6**				
SWL (hr/sem)	**150**				
Module Level	1		**Semester of Delivery**	**Two**	
Administering Department	**Animal Production**		**College**	**Agriculture**	
Module Leader	**Prof. Dr. Rabia Jaddoa Abbas**		**e-mail**	**E-mail: :** rabia.jaddoa@uobasrah.edu.iq	
Module Leader's Acad. Title	**Professor**		**Module Leader's Qualification**	**Ph.D.**	
Module Tutor	**Assist. Prof. Dr. Sabah Kadhum Marzook**		**e-mail**	**E-mail:** sabah.kadhum@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	1/09/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	Enables the student to gain knowledge of: 1. The importance of the principles of poultry science, which deals in detail with the importance and types of poultry birds, their classification, and their location in the animal kingdom. 2. The nutritional and economic importance of poultry products and their role in preparing animal protein of high biological value. 3. Identify the diets and feed materials for poultry birds. 4. Knowing the most important diseases that affect them and ways to prevent them.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Introducing students to modern techniques used in poultry production. 2. Introducing students to the types of poultry, their classification, and how to domesticate them?. 3. Explaining and clarifying the sciences related to poultry science. 4. Defining the economic importance of poultry production projects. 5. Defining the nutritional importance of poultry and its role in providing animal protein. 6. Introducing students to the structure and functions of the various body systems, with a drawing of these systems and an explanation of their parts. 7. Introducing students to genetic improvement of birds and how to increase the quantitative traits responsible for high production of meat and eggs. 8. Introducing students to the importance of the poultry hatching process, the types of hatcheries, and how to complete the hatching process and manage the hatcheries. 9. Introducing students to the factors affecting the hatching process. 10. Explaining and clarifying the design of poultry housing, and how to control environmental conditions inside the housing. 11. Explanation and clarification of the types of feed ingredients used in feeding poultry birds and their nutritional needs. 12. A detailed explanation of broiler slaughterhouses, how they work, the steps followed in preparing the carcasses, and how to preserve them. 13. Introducing students to modern slaughterhouses, slaughtering steps, automatic cutting of carcasses, and preparing the various cuts. 14. A detailed explanation of the most important infectious diseases to which birds may be exposed, and the health programs used to prevent them.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. 1- Emphasizing the importance of poultry production in the agricultural field and its economic impact on the country. 2- Teaching students about the crucial role of effective management, whether it be the human factor or the breeder themselves, in different types of poultry farms. 3. Promoting the practice of locally raising poultry.

	4. Recognizing various poultry types and the key projects associated with their breeding. 5. Identifying administrative challenges in poultry farms and working towards their resolution.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	A) This course aims to develop students' critical thinking skills and analytical abilities about the intellectual framework of the subject of Principles of Domestic Birds. B) This course aims to enable students to examine and analyse various topics related to the breeding of poultry birds, including the different types of birds and the most important projects related to their breeding. C) This course aims to help students identify administrative problems that may be encountered in poultry fields and develop strategies to address them. D) This course aims to encourage students to think critically and analyse the successful management role of various stakeholders in poultry fields, such as human workers and educators.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	72	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

Module Evaluation تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	A general introduction on modern Poultry Industry.
Week 2	Types of domestic birds, a historical view of their origin, domestication, methods of classification, and their location in the Animal Kingdom.
Week 3	Poultry Science and related Sciences.
Week 4	The economic importance of poultry breeding projects and their comparison with the rest of the animal production projects.
Week 5	The nutritional importance of poultry products (Eggs and Meat), their composition and nutritional value.
Week 6	Anatomical structure of the most important organs and their main functions – different body parts, Skin, Skeleton, Muscular system, Respiratory system, Nervous system, Urinary system, Endocrine system, Circulatory system, Immune system.
Week 7	Genetic foundations of poultry breeding, chromosomes, genes, sex determination, quantitative traits, Heterosis, genetic improvement systems, type, Strain, crossing.
Week 8	Hatching and hatchery management - A historical view on the development of hatching and a comparison of natural and artificial hatching, hatching eggs.
Week 9	Factors influencing the hatching process (temperature, humidity, ventilation and turning), embryonic development.

Week 10	Poultry houses and equipment - housing design, and types, ventilation devices, lighting, feeding and drinking water.
Week 11	Nutrition and feed ingredients - nutritional needs of laying hens, Broilers, Breeder, feed materials and ration formation.
Week 12	Slaughtering, preparing and carcasses storage development.
Week 13	Slaughter house characteristics.
Week 14	Poultry diseases and their Protections.
Week 15	Marketing of egg and meat products.
Week 16	End of Semester Exam.

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر (الحقل **Filed**)	
	Material Covered
Week 1	Lab 1: Visiting the college's poultry farms.
Week 2	Lab 2: Field operations in poultry housing.
Week 3	Lab 3: Bird anatomy and internal organs.
Week 4	Lab 4: Poultry hatching process.
Week 5	Lab 5: Formulating poultry feed.
Week 6	Lab 6: Visiting the feed poultry factory.
Week 7	Lab 7: Preparing poultry housing.
Week 8	Lab 8: Stages of manufacturing in poultry slaughterhouses.
Week 9	Lab 9: Health care for poultry.
Week 10	Lab 10: Organizing and maintaining records.
Week 11	Lab 11: Poultry waste.
Week 12	Lab 12: Visiting a modern slaughterhouse.

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Principles of Poultry Production written by Dr. Ali Mahmoud Amer Al-Kassar (2010).	No
Recommended Texts	1- Al-Zubaidi, Suhaib Saeed Alwan (1986). Poultry management. Basrah University Press. 2- Poultry production translated by Dr. Musleh Hussein. 3- Al-Fayadh, H. A. A., Naji, S. A. H., & Al-Hajo, N. N.(1989). Poultry Products Technology. First edition,. Higher Education Press, University of Baghdad.	Yes
Websites	https://nicehatchincubators.com/the-principles-of-poultry-husbandry/ https://www.britannica.com/topic/poultry-farming	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Plant Protection**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	**PLPR122**				
ECTS Credits	**6**				
SWL (hr/sem)	150				
Module Level	1		**Semester of Delivery**	**Two**	
Administering Department	Animal Production		**College**	Agriculture	
Module Leader			**e-mail**		
Module Leader's Acad. Title	Assistant professor		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Ali Zuhair Abdel		**e-mail**	ali.abd@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	1/09/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1- Learn about the most important pests and diseases spread in Iraq and the world and the types of their causes. - 2- It classifies the types of pests and diseases according to their causes, their cycle of life, or the nature of their reproduction. - 3- The student separates the types of pests and diseases and the most important methods used to reduce their impact on crop productivity - 4- Knows the scientific methods used to reduce the damage of pests and diseases by first adopting preventive methods. - 5- The student evaluates the cost of chemical control, the type of pesticides used, the method of control, additions, and devices.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student should know the basics of plant protection, how to get rid of insect pests, diseases, and fungi that infect plants, and the best ways to protect and protect them.
Indicative Contents المحتويات الإرشادية	1- Identify the types of insects 2- Identify the conditions and mutations that help insects in the environment 3- Identify the positive and negative circumstances affecting the life of insects

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Use presentations/images/brochures/books/surveys to research the shop

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5

Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	72	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**150**		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Identify the types of insects
Week 2	Recognize the circumstances And the changes that occurred Insects help the environment
Week 3	Distinguishing insect reproduction and egg development stages
Week 4	How to deprive an insect of its nutritional sources

Week 5	the first exam
Week 6	Recognize the circumstances Positive and negative influence In the life of a human being
Week 7	How to get rid of The insect is r a t
Week 8	Solid and liquid pesticides
Week 9	Composition and distinction of the dream body About the hash r a t
Week 10	Second exam
Week 11	Non-insect species Large number of harmful organisms With plants
Week 12	Division of plant pathogens
Week 13	Identifying diseases that have no living cause
Week 14	How to limit the spread Parasitic etiology
Week 15	Jungle resistance mechanisms

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	1- Principles of plant protection (insects part) 2- Insect pests	Yes
Recommended Texts	Principles of plant protection (plant diseases part)	No
Websites	https://www.agro-lib.site/2022/04/blog-post_497.html	

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Organic Chemistry**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐**Lecture** ☒ **Lab** ☐ **Tutorial** ☐**Practical** ☐**Seminar**	
Module Code	**ORCH125**				
ECTS Credits	**6**				
SWL (hr/sem)	**150**				
Module Level	1		**Semester of Delivery**	Two	
Administering Department	Animal production		**College**	Agriculture college	
Module Leader	Name		**e-mail**	E-mail	
Module Leader's Acad. Title	Assist. Prof.		**Module Leader's Qualification**	M.Sc.	
Module Tutor	Maryam Abdulbari Oraibi		**e-mail**	mariam.ouraiby@uobasrah.edu.iq	
Peer Reviewer Name	Name		**e-mail**	E-mail	
Scientific Committee Approval Date	01/09/2024		**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 أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	The curriculum included a general study of the organic chemistry of some of its formulations, including aliphatic compounds, their preparation methods, their most important reactions and their naming, as well as aromatic compounds and their derivatives and their nomenclature, halogen organic compounds, oxygen organic compounds, nitrogen compounds, and stereochemistry.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The organic chemistry curriculum is one of a series of important curricula in the Department of Food Sciences as a guide for students about the most important principles of organic chemistry, explaining the properties of chemicals and how to prepare them and reveal their presence to help know the dangers of these materials to humans and their environment and how to avoid these risks and to know the areas in which they can be used this Materials
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. **Keeping abreast of the amazing developments taking place in various fields and sciences, especially organic chemistry, by clarifying the theoretical foundations and scientific and applied courses of the organic chemistry course through a detailed study of the composition, naming and preparation of chemicals and the chemical reactions explained by their mechanics.**

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The modern teaching strategy includes achieving learning objectives in general and teaching chemical concepts in particular, and the difficulties that the student faces in understanding and acquiring the concepts of organic chemistry, and treating the difficulties by defining the concepts of organic chemistry and helping students acquire the correct chemical concepts.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	72	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**150**		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	An overview of organic
Week 2	chemistry and the classes of
Week 3	organic chemistry
Week 4	Alkanes
Week 5	Alkenes
Week 6	Alkynes
Week 7	Exame
Week 8	Assignment 1
Week 9	aromatic hydrocarbons
Week 10	Alkyl and alcohol halides
Week 11	Phenols and ethers
Week 12	Aldehydes and ketones
Week 13	carboxylic acids
Week 14	Amines
Week 15	Exame
Week 16	

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1: Physical properties of organic materials
Week 2	Lab 2: Boiling Point Measurement
Week 3	Lab 3: Purification of organic matter and recrystallization
Week 4	Lab 4: solubility of organic compounds

Week 5	Lab 5: Effective totals
Week 6	Lab 6: Detecting the double bond
Week 7	Lab 7: Stereoisomers
Week8	Lab8: Detection of alcohols and phenols
Week9	Lab9: NS
Week10	Lab10: Detecting aldehydes and ketones and distinguishing between them
Week11	Lab11: Aspirin preparation
Week12	Lab12: Methane
Week13	Lab13: Physical properties of organic materials

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	**Osman, Ibrahim Mohamed (2005). Organic Chemistry: Concepts and Applications. Dar Al-Amal for Publishing and Distribution**	NO
Recommended Texts	**Mazahreh, Ayman Mokhtar (2017). Basics of organic chemistry and its applications. Curriculum House for Publishing and Distribution**	No
Websites	NO	

[1]

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

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Field Crops**			**Module Delivery**	
Module Type	**Basic**			☒ **Theory** ☐ **Lecture** ☐ **Lab** ☐ **Tutorial** ☒ **Practical** ☐ **Seminar**	
Module Code	**FICR115**				
ECTS Credits	**7**				
SWL (hr/sem)	**175**				
Module Level			**Semester of Delivery**	two	
Administering Department	Animal production		**College**	Agriculture	
Module Leader	Dr.Sabreen Hazim		**e-mail**	Sabreen.hazim@uobasrah.edu.iq	
Module Leader's Acad. Title	Asst.Professor		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Dr.sabreen Hazim		**e-mail**	Sabreen.hazim@uobasrah.edu.iq	
Peer Reviewer Name			**e-mail**		
Scientific Committee Approval Date	9-2-2024		**Version Number**	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	It is related to the subject of plant classification, field crop management, grain and legume crops, and other study subjects such as plant physiology and others.	**Semester**	

Co-requisites module	It is related to industrial crops, oil and sugar crops, fiber crops, as well as environmental science and soil basics.	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Knowing the basics of field crop management 2. Definition of field crop science, its economic importance, field crops, the most important divisions of field crops, and the effect of environmental conditions on crop growth. Important agricultural processes in crop production are also defined.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1- Identify the concept of field crops and how to manage the field. Understand and comprehend the theoretical material and apply it in the practical lesson to prepare students who are able to obtain new job opportunities. 2- Prepare students who have the ability to continue learning and developing inside and outside Iraq. 3- Prepare scientific researchers in the field of field crops who have the ability to provide advice, guidance and modern information in the field of the agricultural sector.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The course includes (2) theoretical hours and (3) practical hours - the number of weekly hours is approved and distributed over 15 weeks. The strategy includes - The ability to work in the agricultural sector in the field crops specialization. - Encouraging students to excel academically to obtain new job opportunities.

	- Graduating students who have the ability to continue learning and developing inside and outside Iraq. - Preparing scientific researchers in the field of field crops. - Providing advice and up-to-date information to relevant institutions and ministries

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	97	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	7
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	175		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 10	LO #1, #2 and #10, #11
	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, #8 and #10
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) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	**The concept of field crops science - divisions of field crops - scientific nomenclature**
Week 2	**Soil service operations - 1 - plowing - benefits of plowing - machines used in the plowing process**
Week 3	**Soil Service Operations 2- Smoothing 3- Leveling 4- Laser Leveling- Advantages of Land Amendment**
Week 4	**operations - methods of cultivation - A - method of cultivation according to the method of placing seeds in the soil** **(in terms of performance).** **B - The method of cultivation according to the moisture content of the soil when sowing.** **C - The method of cultivation according to the irrigation system. Advantages and disadvantages of each method**
Week 5	**Crop service operations - hoeing 3- grafting - grafting - planting depth - planting distances**
Week 6	**Germination of field crop seeds - factors affecting germination - types of germination** **Calculate the percentage of germination**
Week 7	Mid-term Exam +
Week 8	**Conducting a laboratory experiment - Requirements and how to conduct germination tests - Writing a report**
Week 9	**Botanical description of cereal and leguminous crops - display models**
Week 10	**Botanical description of oil crops and sugar crops - display models**
Week 11	**A field visit to nearby crop fields to learn about plants**
Week 12	**(Irrigation and drainage) - Irrigation methods - General benefits for the construction of drains**
Week 13	**Fertilizers and fertilization - types of fertilizers - ways to add fertilizers**
Week 14	**Harvest - Early and Late Harvest Damage**
Week 15	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	**The concept of field crops science - divisions of field crops - scientific nomenclature**
Week 2	**Soil service operations - 1 - plowing - benefits of plowing - machines used in the plowing process**
Week 3	**Soil Service Operations 2- Smoothing 3- Leveling 4- Laser Leveling- Advantages of Land Amendment**
Week 4	**operations - methods of cultivation - A - method of cultivation according to the method of placing seeds in the soil** **(in terms of performance).** **B - The method of cultivation according to the moisture content of the soil when sowing.** **C - The method of cultivation according to the irrigation system. Advantages and disadvantages of each method**
Week 5	**Crop service operations - hoeing 3- grafting - grafting - planting depth - planting distances**
Week 6	**Germination of field crop seeds - factors affecting germination - types of germination** **Calculate the percentage of germination**
Week 7	**Conducting a laboratory experiment - Requirements and how to conduct germination tests - Writing a report**

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	Mohammad Amin Omid Nouri (1986). Principles of Field Crops. Ministry of Higher Education and Scientific Research. University of Basra. College of Agriculture.	Yes
Recommended Texts	Al-Ansari, Majeed Mohsen and others (1980). Principles of Field Crops. Ministry of Higher Education and Scientific Research.	yes

	Al-Ansari, Majeed Mohsen (1982). Field Crop Production. Ministry of Higher Education and Scientific Research. College of Agriculture, University of Baghdad	
Websites		

Grading Scheme مخطط الدرجات				
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