Course description of crop diseases

The state of the s	200000000000000000000000000000000000000
: Course Na	
crop	diseases
: Course C	ode .2
	CRDI363
Annual: Year / Seme	
2024-First semester/third s	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
Date this description was prepared to the control of the control o	
	2024/2/1
: Available forms of attender	
The state of the s	In Class
:(of study hours (total)/number of units (total Nur	
	hours75
(Name of the course administrator (if more than one name is mention)	Nayef Mahidi
	n Ahmed Issa
Course object	ctives .8
concept of disease and the information that must be available to The learner should be able to defin	ne the •
know the medical t	history
Choosing the appropriateness of the factors affecting the disease and determining its ability to	spread •
assificationsDifferentiate between types of pathogens and know all t	their cl •
Understanding the basics of modern planning to develop a program that explains the forms and patte	rns of •
plant dis	seases
class Distinguishing between classes and sections of fungi according to the type of	of each •
the teacher needs and what is available to him to master his work Familiarity with the infor	rmation •
Identify plant diseases, symptoms and signs, and what must be taken into account when distingu	uishing •
betwee	en them
disease, and determine the controls A comprehensive study of the various types of control, how to diagnost	se each •
and conditions that must be observed when carrying out all instructions to carry out the control in the proper	
Teaching and learning stra	TO BE A STREET OF THE PARTY OF
Control of the Contro	ctive lecture
V = 1 (1) V = 1 (1)	rainstorming
and discussi	
	raining Field
	cal exercises Field project
Delimination of the land of th	Tield project

			Course str	ucture	.10
Evaluation method		Name of the unit or topic	Required learning outcomes	hours	the week
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue	assasih	a1 Identify diseases that spread in agricultural fields	1 theore tical	1
Short practical test1	Interactive lecture, brainstorming, dialogue	Laboratory and equipment	Gets acquainted with the laboratory and all :c3 laboratory equipment	3 practic al	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue	The importance of field crops	:a2 Recognizes the economic importance of field crops and their relationship to diseases	1 theore tical	
Direct drawing	lecture, Interactive brainstorming, dialogue and discussion, field training, practical -exercises, and self learning	Laboratory working conditions	Familiar with all laboratory safety conditions :c6 when conducting laboratory experiments	3 practic al	2
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue -and discussion, self learning	Knowledge of diseases and their history	Get to know a brief history of each disease :a3 spreading in agricultural fields	1 theore tical	2
Field evaluation	Interactive lecture, brainstorming, dialogue and discussion, field learning -training, self	Isolation and diagnosis of pathogens	Isolate the pathogens to be diagnosed :a2	3 practic	3
Semester est 1, final test report	Interactive lecture, brainstorming, dialogue -and discussion, self learning	The presence of ,pathogens pathogenicity and Koch's hypotheses	Identify the organisms that cause plant diseases :a4 and understand the meaning of pathogenicity	theore	
irect , drawing	Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, and self learning	Optical microscopes in laboratories	Examine pathogens using optical microscopes :a1	3 practic al	
st 1, final test report	-and discussion, self learning	Symptoms and signs of disease in plant families	Explains the difference between pathological sign	ı ¹	
valuation k		Pathological causes their relationship and to girls	explains the most common pathogens that lead be to losse		ic

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	learning				
Short test, final test	Interactive lecture,	Environmental Health	Explains the concept of plant pathology and its b1 environmental health relationship to	theore	
Direct drawing and homework	Interactive lecture, dialogue ,brainstorming and discussion, field training, practical -exercises, and self	Agricultural food media	prepares different food mediaa7	3 practic al	6
Semester exam 2, final exam	learning lecture, Interactive brainstorming, dialogue -and discussion, self learning	Epidemiology of diseases	:b2 Familiarizes with the most important factors affecting the epidemiology of diseases	1 theore tical	
Field project	Interactive lecture, brainstorming, dialogue discussion, field and training, practical exercises, field project, learning-self	Laboratory diagnosis of diseases	Identify the mechanism of laboratory diagnosis :a2 of pathogens	3 practic al	7
Semester exam 2, final exam	lecture, Interactive brainstorming, dialogue -and discussion, self learning	The importance of pathogens	Master the importance of pathogens and their :b3 relationship to plant health and environmental health	1 theore tical	
Direct drawing and homework	Interactive lecture, brainstorming, dialogue field ,and discussion training, practical -exercises, and self learning	Symptoms, signs, and life cycles	describes the most common symptoms of plant c2 diseases	3 practic	8
Semester exam 2, final exam	Interactive lecture, dialogue ,brainstorming -and discussion, self learning	in the environment	Understands the importance of the spread of b4 pathogens in agricultural fields	1 theore tical	
Direct drawing and homework	Interactive lecture, brainstorming, dialogue field ,and discussion training, practical -exercises, and self learning	Taking samples from plant parts and soil	Proficient in the process of taking samples from c5 plant parts and soil	1 1	9
Semester test2	Interactive lecture, brainstorming, dialogue -discussion, self and learning	Modern diagnostic methods	Masters the importance of diagnosing plant b5 diseases by all modern mean	theore	
	Interactive lecture, brainstorming, dialogue and discussion, field training, practical -self exercises, and	Preparing laboratory slides	1	1	10
	learning	1	MC 1-1 - 1 5 M	1	1

7						
	brainstorming, dialogue	insect vectors	insect vectors of pathogens	theore	e	
	-and discussion, self			tical	1	
Direct	Interactive lecture				_	1 7
Direct	Interactive lecture, brainstorming, dialogue		conducts a field visitd7		1	
drawing and	and discussion, field			3		1
homework	1	Field visits		pract	ic	1 1
Homework				al		
	,			\		1 4
Final test	learning lecture		method toc?			
Fillal test	Interactive lecture, brainstorming, dialogue	11	control the suggests an appropriate method toc2 carrier of diseases and how to transmit and infect	1	1	1 1
	-and discussion, self	l l	them	theo		1 1
		disease and injury		tic	ai	
Direct	learning lecture,		Evaluating the effectiveness of some :e4		1	2
drawing	brainstorming, dialogue		sterilization methods	\ :	3 3	-
and	and discussion, field			1	ctic	
homework	training, practical	Sterilization methods		١.	al	
Homework	-exercises, and self			1	'	
	learning					
Final test		-	suggests Explains an ideal control program and :c3		1	
Fillal test	brainstorming, dialogue		lan optimal method for disease management and	the	eore	
	-and discussion, self	Integrated control	contro	NI 1	ical	
	learning				,,,,,	
Direct	Interactive lecture,		He is familiar with the most important :b1			13
	· ·		protect agricultural agricultural methods used t	0	3	
drawing	brainstorming, dialogue and discussion, field	Methods of	crops from infection		ractic	
and	training, practical	protecting field crops			al	
homework	1	protecting near or ope		-		
	-exercises, and self learning			_	7.7	
Chart toot			panel discussions on the critical He leads :d1	L	1	
,Short test	brainstorming, dialogue		importance of the spread of plant diseases and ho	w t	heore	
final test	1	Discussion panel	to control the	m	tical	-
	-and discussion, self learning	- 1				
Cl. aut	Interactive lecture,		pathogenicity by artificially Learn how to prove	12		14
Short	brainstorming, dialogue		infecting tested pla	nts	3	
practical	1	Artificial infection of			practic	1
test3		laboratory plants			al	1 Σ
	1		,	1	۵.	
	-exercises, and self learning					
			Identify health risks, their impact on human	e1	1	
,Short test	Interactive lecture,	Disease risks to	health, and the impact of negligence on pu		theore	
final test	1	human health		alth		
	-and discussion, self	Human nearth			tical	
	learning		difference between pathological explains the	b1		
Field	Interactive lecture,		symptoms and pathological s	signs		15
project	brainstorming, dialogue	Diagnosing	Symptoms and pathological.		3	=
	and discussion, field	pathological			practi	c
	training, practical	symptoms and signs			al	
	exercises, field project,	37			1	
	learning-self		The state of the s	NO DAN	901 (Skirt 12) 16	
建设在建筑			evalua	tion	Cours	se .10
建长为在 人类于5			每面中的直接多数的数据是有数据的数据数据的 \$2 \$10 \$10 \$2 \$10 \$10 \$2 \$10 \$10 \$2 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10			4.

Calendar methods T (Calendar date (week

Class

Relative

1				
	Report 1		· · · · · · · · · · · · · · · · · · ·	0/
2	Report 2	fourth week		% weight
3	Quiz (Short test (1	The fifth week	2.5	2.5
4	Quiz (Short test (2	sixth week	2.5	2.5
5	Quiz (Short test (3	The fourteenth week	2	2
6	Quiz (Short test (1	fifteenth week The	2	2
7	(Semester test (1	fifteenth week The	1	1
8	(Semester test (2	the sixth week	7.5	7.5
	Final theoretical test	The eleventh week is difficult	7.5	7.5
	Practical field project	Final semester exams	40	40
10	Field evaluation	The fifteenth week	5	5
11	Quiz (Short practical test (1	and fifth week The third	2	2
12	Quiz (Short practical test (2	The first week	1	1
13	Quiz (Short practical test (3)	fourth week	0.5	0.5
14	Quiz (Short practical test (3	The fourteenth week	1	1
15	Live drawings and homework	Weeks 6, 8, 9, 10, 11, 12 and 13	5.5	5.5
	Final practical test	Final semester exams	20	20
	the total	100	%100	%100
.12	ng and teaching resources		SALADINED TO PERSON TO SEE STORY	CONTRACTOR PROPERTY.
	ig and leadining roots.	Lear		

하다 하다 사람이 하는 것 같아요. 한 경기 등에는 살아 먹는 하다 가나 있는 것 같아 있다면 사람들이 되었다.	병원하다는 기존 하는 보고 보세요 회사 모르기 모르는	
Ani Demisermjidjergis-Dr. Raqeeb Akef Al - Field crop diseases	Required textbooks	(methodology, if any

Hamid -Dasmir Mikhail Daabd al -orchards and vegetables Diseases of University of Mosul -Zarari -Jawad al-Tarabiyah Dr. Abd al -Dr. Muhammad Amer Fayyad and Muhammad Hamza -Plant diseases University of Basra

(Main references (sources

by Damahmoud Musa written by George Akrios and translated -Plant Diseases - Abba Arqoub

University of Basra -written by Abdulaziz Majeed Nakhilan -Practical plant diseases

Recommended supporting books and references (scientific journals, (....reports

Google scholar Google chrome Google research

Electronic references, Internet sites

Researchgate Journal of plant pathology

Practical subject teacher

,Saleh Ahmed Issa

Theoretical subject teacher

Dr.iRaghad Naif Mheedi

Head of Department plant protection Chairman of the Scientific Committee

Dr .Firas Kadhim

.Prof. Dr.Juhaina Idris