Industrial crops course description

	Course Name:				
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INCR	Course Code: 230				
	Semester / Ye		er en		
First	semester (Autum	nn) 2024–2025	Annual of the Common State		and the second s
4. 1/9/2	Description P 024	reparation Date:			
Му рі	. Available Atte resence				
6.	Number of Cro	edit Hours (Total) / Number o	f Units (Total)	
	2 theoretical	nours / 3 practical hours (7)	houre) /35	unite	
	realise. Dr. vva	nistrator's name (mention a deed Khalid Shahatha, Sadda id83@uomosul.edu.iq	all, if more tha am Ibrahim Y	an one name) ahya	
8	. Course Objec				
Cours	se Objectives	 Providing the stude how to follow mode Introducing the stude places to grow there Providing the stude managing relevant 	ern methods of dent to the important to the important to the important theorem.	f industrial crop ma portance of industri etical and practical i	nagement. al crops and
9.	. Teaching and	Learning Strategies			
Strate	egy	- Interactive lectu - Brainstorming - Dialogue and dis - Assigning tasks	cussion		
10.	Course Structur	e			
Wee k	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2Theoretical	a1: Learn about industrial crops and explain the importance of oil crops and their division	Industrial crops	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments discussions

	3practical	b2: Discovers the general characteristics of some crop oils and their uses	Oil crops	Assigning tasks and reporting		
2	2Theoretical	a2: He is familiar with the economic importance of the sesame crop and identifies the soil service, crop and harvesting processes	Sesame crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions	
	b3: Tests the method of extracting oil from seeds of oil crops		Oil	Assigning tasks and reporting		
3	2Theoretical	a3: Understands the economic importance of the sunflower crop and identifies soil service, crop and harvesting processes	Sunflower crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions	
	3practical	b4: Discover the botanical description and varieties of sesame	Sesame	Assigning tasks and reporting	uiscussions	
4	2Theoretical	a4: He is familiar with the economic importance of the safflower crop and identifies the soil service, crop and harvesting processes	Safflower crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions	
	3practical	b5: Discover the botanical description and varieties of sunflower	Sunflower	Assigning tasks and reporting		
5	2Theoretical	e1: He is aware of the most important reasons leading to a decrease in the area and productivity of oil crops	Scientific visit to the Agricultural Technical College	Dialogue and discussion	Short exams, assignments,	
3	3practical	b6: Discover the botanical description and most important varieties of safflower	Safflower	Assigning tasks and reporting	discussions	
6	2Theoretical	a5: Understands the economic importance of the soybean crop and identifies soil service, crop, and harvesting processes	Soybean crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions	
	3practical	b7: Discover the botanical description of soybeans and their aggregates	Soybean	Assigning tasks and reporting	alocabions	
7	2Theoretical	a6: Understands the economic importance of field pistachio crops and identifies soil service, crop and harvesting processes	Groundnut crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams assignments discussions	
	3practical	b8: Discover the botanical description of field	Groundnut	Assigning tasks and reporting		

	A STATE OF THE STA	pistachios	and the state of t	This is not to be the same	the said the state of the said and the said a
3	2Theoretical	a7: Understands the economic importance of the	Rapeseed crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions
	3practical	b9: Discover the botanical description of rapeseed	Rapeseed	Assigning tasks and reporting	
9	2Theoretical	a8: Understands the economic importance of the castor crop and identifies the soil service, crop and harvesting processes	Castor crop	Assigning tasks and reporting	Short exams, assignments, discussions
	3practical	c1: Discover the botanical description of castor	Castor		
10	2Theoretical	a9: Recognizes fiber crops, recognizes the economic importance of the cotton crop, and identifies the processes of soil service, yields, and harvesting.	Fiber crops (cotton crop)	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions
	3practical	b10: Discover the botanical description of cotton and its types	Cotton	Assigning tasks and reporting	
11	2Theoretical	a10: Understands the economic importance of the flax crop and identifies soil service, yield, and harvesting processes	Flax crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions
	3practical	h11: Discover the hotanica		Flax Assigning tasks and reporting	
12	2Theoretical	a11: Learn about sugar crops, become familiar with the economic importance of the sugar beet crop, and determine the processes of soil service, yields, and harvesting.	Sugar crops (sugar beet crop)	Interactive lecture, brainstorming, dialogue and discussion	Short exams, assignments, discussions
	3practical	c2: Tests the method of extracting sugar in the laboratory	Sugar	Assigning tasks and reporting	
13	2Theoretical	a12: Understands the economic importance of the sugar cane crop and identifies soil service, yield and harvesting processes	Sugar cane crop	Interactive lecture, brainstorming, dialogue and discussion	Short exams assignments discussions
	3practical	b12: Discover the botanical description of sugar beet and growth phases	Sugar beet	Assigning tasks and reporting	uiscussioils
14	2Theoretical	b1: Shows the steps for manufacturing sugar in the factory	Sugar	Interactive lecture, brainstorming,	Short exams assignments

		alla engles centre si esse des si sindiaede				alitika per erakan per erakan berakan	dialogue a	1	discussion
	3practi	cal	b13: Discover the description of su		Sugar	cane	Assigning and repor		
15	2Theoretical 3practical		a13: Recognizes narcotic crops, becomes aware of the economic importance of tobacco crop, and identifies the processes of soil service, crops, and harvesting.		Narcotic crops (tobacco)		Interactive lecture, brainstorming, dialogue and discussion		Short exams, assignments,
			e2: He is aware of correct and appr methods for extra separating oil, fill sugar from indus	opriate racting and ber and			Assigning and report		discussions
Cour	se Eval	uation				24			
Seq	uence	Calend	ar methods	Calendar d	ate	Class		Relati	ive weight %
1		Report		fourth wee	k	2.5		2.5	
2	***************************************	Report		fifth week		2.5		2.5	
3			est (1) Quiz	sixth week		2		2	
4			est (2) Quiz	fourteenth		2		2	
5		The same of the same of the same of	est (3) Quiz	fifteenth w		1		1	
6		THE R. PRINCES OF THE PARTY NAMED IN	ter test (1) ter test (2)	sixth week	-	7.5		7.5 7.5	
8			heoretical test	eleventh w Final seme exams		7.5		40	
9		Practio	cal field project	fifteenth w	eek	5		5	
10		Field evaluation		third and f week	ìfth			2	
11		Quiz	first we				1		
12		Quiz	practical test (2)	fourth week		0.5		0.5	
13		Quiz	practical test (3)	fourteenth		1		1	
14		homey	CONTRACTOR OF THE PARTY OF THE	Weeks 6, 8	13	5.5		5.5	
15			oractical test	Final seme	ester	20		20	
L	-	The to		100		100%		100%	
11	. Lear	ning and	Teaching Resou	rces					
Red	quired te	xtbooks	(curricular books,	if any)		d Youni			: Dr. Abdul Har attar Abdullah A
Mai	n refere	nces (so	urces)		Oil an	d sugar	crops: Dr.	Tawakk	kol Younis Rizk

	Hikmat Abdul Ali.		
Recommended books and references (scientific journals, reports)	https://magrj.mosuljournals.com/?lang=ar		
Electronic References, Websites	University of Mosul e-learning website		

Theoretical subject teacher Dr. Waleed Khalid Shahatha

Chairman of the Scientific Committee

Dr. Ahmed Awad Talib

Practical subject teacher Dr. Omar Ghiyath Al-Din Abdul Ghafoor

Head of Agricultural Extension and Technology Transfer Department Dr. Talal Saeed Hamid

