

Republic of Iraq
**The Ministry Of Higher
 Education**
& Scientific Research

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



University: Diyala
College: Agriculture
Department: Field Crops
Stage: second
**Lecturer name: Dania Salman
 Qqhraman**
Qualification:ph.D
**Place of work: Coll. Of
 Agriculture**

Flow up of implementation celli pass play

Course Instructor	Dania Salman Qahraman				
E-mail	daniasalman@uodiyala.edu.iq				
Title	Oil and sugar crops				
Course Coordinator	The Autumn				
Course Objective	Teaching the students oil and sugar crop importance and their locations , planting environments.				
Course Description	Knowledge of the main oil crops as well as sugar crops and the nature of their spread in Iraq				
Textbook	Dr. Nasser Hussein Safar. 1993. Sugar crop cultivation Recent articles from the Internet and from - specialized scientific journals, the Iraqi Journal of .Agricultural Sciences, and the Virtual Library				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5%		60%
General Notes	Conducting applied scientific trips				

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week	Date	Topics Covered	Practical Part
1	1 st week	Oil crops, Definition, economic importance, most important oil crops, oil and their types	Chemical structure of oil, oil industry importance of plant oil for food
2	2 nd week	Sunflower, method of plant, soil, Date of sowing, crop management, harvesting and pests	Botanical description of sunflower, Types and structure of oil and fat, oil quality of sunflower
3	3 rd week	Sesame, method of planting, economic importance, soil, crop management and harvesting	Botanical description of Sesame kinds of fatty acids , oil quality of Sesame
4	4 th week	Cotton ,method , of planting , soil , crop , management ,gathering , insects infestation	Botanical description of Cotton quality of Cotton oil seed ,and method of manufacture
5	5 th week	First Exam	Botanical description of Groundnuts , oil quality of Peanut , Types of extraction
6	6 th week	Groundnuts , Economic importance , methods of planting , soil . harvesting , pests	First Exam
7	7 th week	Castorbean and Safflower , Economic importance , methods of planting , soil crop managemen	Botanical description of these plant, and method of oil extraction and their Quality
8	8 th week	Flax, environment, hardening, Botanical description , cultivar	Botanical description of Flax, and method of oil extraction and their Quality
9	9 th week	Rapeseed , economic importance orgn , species , and varieties, Botanical description , environmen	Botanical description of Brassica, and method of oil extraction and their Quality
10	10 th week	Sugarcane , introduction , geographical distribution , soil , method of planting	Sugar cultivars , economic important Suitable area for planting , Botanical description of Sugarcane
11	11 th week	Crop and soil management , Cultivation , Fertilization , thinning , replanting , method of breeding , Types of Cultivar	Leaves shape and inflornces ,requirements for flowering
12	12 th week	Sugar beet , Economic importance geographical distribution , Cultivated , Area of sugar beet , problems of winter planting. Growth stage and methods of breedin	Botanical description of Sugar beet and kind of seed

13	13 th week	Second exam	Second exam
14	14 th week	Crop and soil management , Date of sowing , methods of planting , seed classification , crop management , Cultivation , weeding , fertilization , Irrigation , harvesting , yield , crop rotations	Pest and their control , harvesting



Instructor Signature
Dr. Dania Salman Qahraman
15/1/2025



Dean Signature
Prof. Dr. Raaed Ibrahim Khalil
15/1/2025