



## Course Weekly Outline of ---

<b>Course Instructor</b>	Adnan Hussein Ali				
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<b>Title</b>	Oil and sugar crops				
<b>Course Number</b>	12 weeks				
<b>Course Objective</b>	Teaching the students oil and sugar crop importance and their locations , planting environments				
<b>Course Description</b>	Knowledge of the main oil crops as well as sugar crops and the nature of their spread in Iraq				
<b>Prequests</b>	Dr. Tawkol Younis and Dr. Abdul Hamid Al-Younis 1983. Sugar crops.				
<b>Textbook References</b>	Dr. Nasser Hussein Safar. 1993. Sugar crop cultivation.				
<b>Course Assessment</b>	The first month test	The second month test	Final exam.		Final grade
			Theoretical	Practical	
	15%	15%	10%	10%	40%
<b>General Notes</b>	Conducting applied scientific trips				

## Course Weekly Outline of

week	Data	Topics Covered	Practical Part
1	2023/9/17	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	2023/9/24	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	2023/10/1	Sesame, method of planting, economic importance, soil, crop management and harvesting	Botanical description of Sesame kinds of fatty acids , oil quality of Sesame
4	2023/10/8	Cotton ,method , of planting , soil , crop , management ,gathering , insects infestation	Botanical description of Cotton quality of Cotton oil seed ,and method of manufature
5	2023/10/15	Groundnuts , Economic importance , methods of planting , soil . harvesting , pests	Botanical description of Groundnuts , oil quality of Peanut , Types of extraction
6	2023/10/22	Test 1	
7	2023/10/29	Castorbean and Safflower , Economic importance , methods of planting , soil crop management	Botanical description of these plant, and method of oil extraction and their Quality
8	2023/11/5	Flax, environment, hardening, Botanical description , cultivars	Botanical description of Flax, and method of oil extraction and their Quality
9	2023/11/12	Rapeseed , economic importance orgn , species , and varieties, Botanical description , environment	Botanical description of Brassica, and method of oil extraction and their Quality
10	2023/11/19	Sugarcane , introduction , geographical distribution , soil , method of planting	Sugar cultivars , economic important Suitable area for planting , Botanical description of Sugarcane
11	2023/11/26	Crop and soil management , Cultivation , Fertilization , thinng , replanting , method of breeding , Types of Cultivars	Leaves shape and inflornces ,requirements for flowering
12	2023/12/2	Test 2	
13	2023/2/10	Sugar beet , Economic importance geographical distribution , Cultivated , Area of sugar beet , problems of winter planting. Growth stage and methods of breeding	Botanical description of Sugar beet and kind of seed
14	2023/12/17	Crop and soil management , Date of sowing , methods of planting , seed classification , crop management , Cultivation , weeding , fertilization ,	Pest and their control , harvesting

		<b>Irrigation , harvesting , yield , crop rotations</b>	
15		<b>Sweet corn , method of planting economic importance</b>	<b>Botanical description of Sweet corn , sugar extraction</b>

**Instructor Signature:**

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