



Course Description Vegetables production 2

1. Course Name: Vegetables production 2
2. Course Code: VEPR310
3. Semester / Year: 2023-2024
4. Description Preparation Date: 2024 /2/1
5. Available Attendance Forms: in person
6. Number of Credit Hours 2 theoretical + 3 practical (5) / Number of Units (3.5)
7. Course administrator's name (mention all, if more than one name) Name: Professor Fathel Fathe Rajab Teacher, Mohanad Aqil Ahmed Email: fathelffr@uomosul.edu.iq mohand.aq@uomosul.edu.iq
8. Course Objectives Enabling the student to understand and comprehend what is related to the science of vegetable production and its relationship to other sciences Enabling the student to know the most important scientific methods in identifying vegetable production Enabling the student to become familiar with the concept of vegetable production Enabling the student to be able to identify all types of summer vegetables and all the phenomena related to the production of summer vegetables • The student can explain all aspects of life related to the science of producing summer vegetables
9. Teaching and Learning Strategies - Interactive lecture - Brainstorming - Dialogue and discussion - Field Training - Practical exercises - Field project

- Self-education

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theoretical		Preparing vegetable crops for planting: tomatoes, potatoes, eggplant.	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Preparing and preparing the land for planting summer vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
2	2 Theoretical		Morphological description of summer vegetable crops and some families whose cultivation is hoped to spread in Iraq:	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Leguminous family: beans, cowpea.	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
3	2 Theoretical		Cucurbitaceae family: Cucumber. Watermelon, sophistication	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Zucchini squash, honey squash	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
4	2 Theoretical		Ananaki squash, water cucumber .	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Malvaceae family: Okra	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
5	2 Theoretical		Graminacea e family: sweet corn.	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test

	3 Practical		Convolvulaceae family: sweet potato	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
6	2 Theoretical		Lily family: Asperx	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Mushroom family: Mushrooms.	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
7	2 Theoretical		Compositae family: Artichoke	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		A scientific visit to private vegetable farms outside the university	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
8	2 Theoretical		Taro family: Taro	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Intercropping	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
9	2 Theoretical		Successive cultivation of vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Agricultural cycle	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
10	2 Theoretical		Bilateral agricultural cycle	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		The triple agricultural cycle	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
11	2 Theoretical		Quaternary agricultural cycle	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test

	3 Practical		Physiological damage	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
12	2 Theoretical		Insects and diseases that affect vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Harvesting for vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
13	2 Theoretical		Seed production for vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Store vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
14	2 Theoretical		Marketing vegetable crops	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical		Using computers to design vegetable fields	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
15	2 Theoretical		Physiology of vegetables	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test
	3 Practical	C1: Creates new designs and arrangements for types of vegetable gardens by hand, using modern computer applications, and with the ability to choose plants according to the prevailing climatic conditions. C3: He uses the information he needs and what is available to him to master his work C4:	Home vegetable garden project	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	semester test 1, final test

		<p>Draws up plans and programs for development in the field of landscaping green gardens in urban cities in accordance with the requirements of the environment and society C5: Successfully balances the investment and use of vegetable plants and their employment in a way that suits the landscaping processes of different types and styles of gardens. D1: Acquiring the communication skills necessary to deal with confidence and certainty at the individual and group levels D2: Dealing with modern technology efficiently that enables him to accomplish his scientific and practical tasks</p>			
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11. Course Evaluation

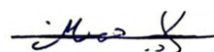
seq	Evaluation methods	Evaluation date (week)	Grade	Relative weight %
1	Report 1	fourth week	2.5	2.5
2	Report 2	fifth week	2.5	2.5
3	Short test (1)	sixth week	2	2
4	Quiz Short test (2)	fourteenth week	2	2
5	Quiz Short test (3)	fifteenth week	1	1
6	Semester test (1)	sixth week	7.5	7.5
7	Semester test (2)	eleventh week	7.5	7.5
8	Final theoretical test	Final semester exams	40	40
9	Practical field project	fifteenth week	5	5
10	Field evaluation	third and fifth week	2	2
11	Short test (1)	first week	1	1
12	Quiz Short test (2)	fourth week	0.5	0.5
13	Quiz Short test (3)	fourteenth week	2.5	2.5
14	Live drawings and homework	Weeks 6, 8, 9, 10, 11, 12 and	2.5	2.5

		13		
15	Final practical test	Final semester exams	2	2
	Total	100	100%	100%
12. Learning and Teaching Resources				
Required textbooks (curricular books, if any)		Green production 2. Fruitful vegetable crops. Production of tuber and bulbous vegetables. Secondary vegetable crops		
Main references (sources)		Hassan, A. A. M.(2001) Al-Qur'iyat: Arab Publishing and Distribution House - first edition - Cairo - Arab Republic of Egypt. Matloub, A. Nr.(1988) Production of vegetables 2: Dar Al- Kutub for Printing and Publishing - University - Mosul - Republic of Iraq. Hassan, A.A.M.(2003) Potatoes: Arab Publishing and Distribution House - first edition - Cairo - Arab Republic of Egypt. Hassan, A. A.M. (2017) Basics of Vegetable Production: Arab Publishing and Distribution House - First Edition - Cairo - Arab Republic of Egypt.		
Recommended books and references (scientific journals, reports...)		Vegetables production Plant physiology		
Electronic References, Websites		Ketabpedia.com		

Theoretical lecturer: Professor.Dr. Fathel Fathe Rajab



Practical lecturer Mohanad Aqil Ahmed:




Head of the Department of Horticulture and Landscape Design
Prof. Dr. Asmaa Muhammad Adel




Head of the Scientific Committee
Prof. Dr. Nabil Muhammad amin Al-Alamam