

Course Description Form of Vegetables Production

1. Course Name:	
Vegetables Production	
2. Course Code:	
VEGP206	
3. Semester / Year:	
First semester/ 2024-2025	
4. Description Preparation Date:	
15/1/2025	
5. Available Attendance Forms:	
Full time (theoretical lecture and practical lecture) weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
5 hours (2 hours theoretical and 3 hours practical per week) for 14 weeks, number of units 3.5 units	
7. Course Administrator's Name (Mention All, If More Than One Name)	
Dr. Bssim A. Essa Mobasim1582014@gmail.com	
8. Course Objectives	
Course Objectives: Graduating students who are able to:	Introducing students to the vegetable crops. Vegetables are also divided according to environmental factors, as well as according to the botanical division of these crops, and to identify some of the seed families that include vegetable crops.
9. Teaching and Learning Strategies	

Strategy	In-person lectures for 14 weeks, including two monthly exams, daily exams, and scientific reports
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10. Course Structure

Theoretical part

Week	Hours	Required learning outcomes	Unit or Subject	Learning Method	Evaluation Method
1	2	Introduction, definition of horticulture and some of the sciences related to this specialty, including the production of ,vegetable crops	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
2	2	Environmental factors affecting vegetable crops Temperature: light, gases	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
3	2	Soil factors affecting the success of growing vegetable crops: soil texture, acidity and salinity of the soil,	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
4	2	Vegetable crops service operations. Irrigation, irrigation methods	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
5	2	Transplantation and acclimatization of vegetable crop seedlings	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
6	2	Botanical division of vegetable crops according to plant families, genera and varieties	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
7	2	Plant families / winter vegetable crops - the Cruciferae family / appropriate environmental conditions,	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports

		nutritional value, planting and harvesting dates			
8	2	study of vegetables belonging to the Alliaceae family - environmental conditions and nutritional value of these crops	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
9	2	Study of vegetables belonging to the leguminosae family - environmental conditions and nutritional value - and planting dates for these crops	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
10	2	Study of vegetable crops belonging to the umbilifera family. Environmental conditions - Nutritional value - Planting dates	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
11	2	Summer vegetable crops - Solanaceae family - Potatoes - Tuber dormancy - Transplantation - Planting dates	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
12	2	Solanaceae family / Tomato - Environmental conditions - Nutritional value - Plant breeding methods - Cultivation dates in Iraq	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
13	2	cucurbitaceae-family crops / nutritional value - suitable environmental conditions - cultivation methods	Vegetables Production	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
14	2	cucurbitaceae-family crops / nutritional value - suitable	Vegetables Production	Lecture Dialogue & discussion	Daily, monthly and final exams and daily reports

		environmental conditions - cultivation methods		Brainstorming	
Practical part					
Week	Hours	Required learning outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	3	identification of agricultural facilities such as vegetable fields and green houses	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
2	3	preparing the soil for planting vegetable crops	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
3	3	preparing the field soil for growing vegetables, dividing the field soil	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
4	3	preparation of plantlets for cultivation in the field	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
5	3	Methods of reproduction of vegetable crops	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
6	3	Agricultural operations in green and plastic houses	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
7	3	Cruceferae family / botanical description of crops belonging to this family, varieties, cultivation method and service operations	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
8	3	Botanical description of Alliaceae family plants and pollination method	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
9	3	Study of the botanical description of crops of the leguminosae family, flowers and method of pollination	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
10	3	Study the botanical description of	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports

		Umbilefera family crops Flowers and pollination method - Varieties			
11	3	Botanical description of Solanaceae family crops Cultivation method - Flowers and pollination – Varieties	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
12	3	Botanical description of the tomato crop - Methods of cultivation in greenhouses Limited and unlimited varieties	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
13	3	Botanical description of the cucurbitaceae family crops - the nature of flowering - the nature of pollination in these plants	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
14	3	Botanical description of the cucurbitaceae family crops - the nature of flowering - the nature of pollination in these plants	Vegetables Production	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports

11. Course Evaluation

Examination Monthly & daily exams with discussion questions inside the lecture.
The degree of participation in the questions related to the subject.

12. Learning and Teaching Sources

Required Textbooks (Curricular Books, If Any)	1-Vegetable Production (Part One, Part Two) Prof. Dr. Adnan Naser Matlub
Main References (Sources)	2.- Prof. Dr. Ezzedine Sultan - Prof. Dr. Karim Salih Abdoul- 1980.
Recommended Books and References (Scientific Journals, Reports...)	
Electronic References, Websites	