Horticulture Department course description

1. Course name:
Organic culture
2 .Course code:
ORCU216
2. 1. Semester/Year: Annual
Second semester 2023-2024
3- The date this description was prepared
1/2/2024
3. 1. Available attendance forms:
My presence
4. Number of study hours (total)/number of units (total:(
2theoretical + 3 practical / 3.5
5. .1Name of the course administrator (if more than one name is mentioned(
Prof. Dr. Ayad Hani Al-Alaf Email: Ayad_alalaf@uomosul.edu.iq M.D. Ibtisam Ismail Ahmed
6. Course objectives
• Introducing the student to the importance of organic agriculture. • Learn about the advantages of organic agriculture products. • Learn about the benefits of fertilizing with organic fertilizers. • Identify the harms of adding non-decomposing animal fertilizers. • Learn about practical methods for making compost. • Identify the factors that affect the compost manufacturing process. • Identify the types of organic fertilizers. • Knowing when to add organic fertilizers. • Learn how to add organic fertilizers. • Identify plant extracts and antioxidants and their uses in organic agriculture. • Identify the importance of biofertilizers. • Identify the types of biofertilizers. • Identify the agricultural practices used in organic agriculture (fertilization, biological control, and agricultural rotation).
7. Teaching and learning strategies

practical part practical: -1Live lectures with students.	The theoretical part My theory: -1Live lectures with students.

-2PowerPoint slides. -3Field visits to fruit orchards. -4Applying some practical skills in nursery and wooden canopy facilities؟ -5Dialogues and discussions with students. 6- Assigning tasks and reports	-2PowerPoint slides. -3Introduction pictures. -4Audio recordings. -5Dialogues and discussion. 6- Assigning tasks and reports

8. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
1 Theoretical introduction to organic agriculture. An overview of organic agriculture, its importance and spread in the world and Iraq, and the main elements on which organic agriculture depends. Interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical introduction to organic agriculture. An overview of organic agriculture, its importance and spread in the world and Iraq, and the main elements on which organic agriculture depends. Interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical introduction to organic agriculture. An overview of organic agriculture, its importance and spread in the world and Iraq, and the main elements on which organic agriculture depends. Interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical introduction to organic agriculture. An overview of organic agriculture, its importance and spread in the world and Iraq, and the main elements on which organic agriculture depends. Interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical introduction to organic agriculture. An overview of organic agriculture, its importance and spread in the world and Iraq, and the main elements on which organic agriculture depends. Interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1
3 Practical B1: The student acquires knowledge and concepts in knowing and the importance of the advantages of organic agriculture for the environment and human health. Definition of organic agriculture and its most important features: interactive lecture, brainstorming, dialogue and discussion, and assignment to prepare a report. Short practical test1	3 Practical B1: The student acquires knowledge and concepts in knowing and the importance of the advantages of organic agriculture for the environment and human health. Definition of organic agriculture and its most important features: interactive lecture, brainstorming, dialogue and discussion, and assignment to prepare a report. Short practical test1	3 Practical B1: The student acquires knowledge and concepts in knowing and the importance of the advantages of organic agriculture for the environment and human health. Definition of organic agriculture and its most important features: interactive lecture, brainstorming, dialogue and discussion, and assignment to prepare a report. Short practical test1	3 Practical B1: The student acquires knowledge and concepts in knowing and the importance of the advantages of organic agriculture for the environment and human health. Definition of organic agriculture and its most important features: interactive lecture, brainstorming, dialogue and discussion, and assignment to prepare a report. Short practical test1	3 Practical B1: The student acquires knowledge and concepts in knowing and the importance of the advantages of organic agriculture for the environment and human health. Definition of organic agriculture and its most important features: interactive lecture, brainstorming, dialogue and discussion, and assignment to prepare a report. Short practical test1	
1 Theoretical: Advantages of organic agricultural products, nutritional value of organic agricultural products, and sources of organic materials. Interactive lecture, brainstorming, dialogue and discussion, assignment to produce a report.	1 Theoretical: Advantages of organic agricultural products, nutritional value of organic agricultural products, and sources of organic materials. Interactive lecture, brainstorming, dialogue and discussion, assignment to produce a report. Short exams,	1 Theoretical: Advantages of organic agricultural products, nutritional value of organic agricultural products, and sources of organic materials. Interactive lecture, brainstorming, dialogue and discussion, assignment to produce a report. Short exams, assignments, discussions	1 Theoretical: Advantages of organic agricultural products, nutritional value of organic agricultural products, and sources of organic materials. Interactive lecture, brainstorming, dialogue and discussion, assignment to produce a report. Short exams, assignments, discussions	1 Theoretical: Advantages of organic agricultural products, nutritional value of organic agricultural products, and sources of organic materials. Interactive lecture, brainstorming, dialogue and discussion, assignment to produce a report. Short exams, assignments, discussions	2

Short exams, assignments, discussions	assignments, discussions				
3 Practical B1: The student learns about the most important types of organic fertilizers	3 Practical B1: The student learns about the most important types of organic fertilizers	3 Practical B1: The student learns about the most important types of organic fertilizers	3 Practical B1: The student learns about the most important types of organic fertilizers	3 Practical B1: The student learns about the most important types of organic fertilizers	
1 Theoretical requirements for organic farming The conditions that must be met in the elements of an organic farm: interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical requirements for organic farming The conditions that must be met in the elements of an organic farm: interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical requirements for organic farming The conditions that must be met in the elements of an organic farm: interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical requirements for organic farming The conditions that must be met in the elements of an organic farm: interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	1 Theoretical requirements for organic farming The conditions that must be met in the elements of an organic farm: interactive lecture, brainstorming, dialogue and discussion, and assignment to produce a report. Short exams, assignments, discussions	3
3 Practical B3: It is recommended to add organic fertilizers at the appropriate time.	3 Practical B3: It is recommended to add organic fertilizers at the appropriate time.	3 Practical B3: It is recommended to add organic fertilizers at the appropriate time.	3 Practical B3: It is recommended to add organic fertilizers at the appropriate time.	3 Practical B3: It is recommended to add organic fertilizers at the appropriate time.	
1 Theory of organic matter and humus in agricultural soils Sources of organic matter in agricultural soils	1 Theory of organic matter and humus in agricultural soils Sources of organic matter in agricultural soils	1 Theory of organic matter and humus in agricultural soils Sources of organic matter in agricultural soils	1 Theory of organic matter and humus in agricultural soils Sources of organic matter in agricultural soils	1 Theory of organic matter and humus in agricultural soils Sources of organic matter in agricultural soils	4
3 Practical B3: Experiment with growing plants in different organic growing media	3 Practical B3: Experiment with growing plants in different organic growing media	3 Practical B3: Experiment with growing plants in different organic growing media	3 Practical B3: Experiment with growing plants in different organic growing media	3 Practical B3: Experiment with growing plants in different organic growing media	
1 Theoretical content of soil organic matter and its relationship to fertility Components of organic matter in various agricultural soils and their relationship to increasing fertility and its effect on the growth of horticultural crops Interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	1 Theoretical content of soil organic matter and its relationship to fertility Components of organic matter in various agricultural soils and their relationship to increasing fertility and its effect on the growth of horticultural crops Interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	1 Theoretical content of soil organic matter and its relationship to fertility Components of organic matter in various agricultural soils and their relationship to increasing fertility and its effect on the growth of horticultural crops Interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	1 Theoretical content of soil organic matter and its relationship to fertility Components of organic matter in various agricultural soils and their relationship to increasing fertility and its effect on the growth of horticultural crops Interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	1 Theoretical content of soil organic matter and its relationship to fertility Components of organic matter in various agricultural soils and their relationship to increasing fertility and its effect on the growth of horticultural crops Interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	5
3 Practical C3: Using the appropriate method for making compost. Identifying the methods of making compost and the factors affecting them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical C3: Using the appropriate method for making compost. Identifying the methods of making compost and the factors affecting them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical C3: Using the appropriate method for making compost. Identifying the methods of making compost and the factors affecting them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical C3: Using the appropriate method for making compost. Identifying the methods of making compost and the factors affecting them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical C3: Using the appropriate method for making compost. Identifying the methods of making compost and the factors affecting them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field assessment	
1 Theoretical formation of humus in agricultural soils, humic acids and their	1 Theoretical formation of humus in agricultural soils, humic acids and their natural properties,	1 Theoretical formation of humus in agricultural soils, humic acids and their natural properties, interactive	1 Theoretical formation of humus in agricultural soils, humic acids and their natural properties, interactive lecture, brainstorming,	1 Theoretical formation of humus in agricultural soils, humic acids and their natural properties,	6

natural properties, interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	dialogue and discussion, field training. Short exams, assignments, discussions	interactive lecture, brainstorming, dialogue and discussion, field training. Short exams, assignments, discussions	
3 Practical B4: Experiment with making compost. Practical steps for making compost. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical B4: Experiment with making compost. Practical steps for making compost. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical B4: Experiment with making compost. Practical steps for making compost. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical B4: Experiment with making compost. Practical steps for making compost. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning and field assessment	3 Practical B4: Experiment with making compost. Practical steps for making compost. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning and field assessment	
1 Theoretical The benefits of humic acids for plants and soil The most important benefits that humus provides for horticultural plants and agricultural soils Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning Short exams, assignments, discussions	1 Theoretical The benefits of humic acids for plants and soil The most important benefits that humus provides for horticultural plants and agricultural soils Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning Short exams, assignments, discussions	1 Theoretical The benefits of humic acids for plants and soil The most important benefits that humus provides for horticultural plants and agricultural soils Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning Short exams, assignments, discussions	1 Theoretical The benefits of humic acids for plants and soil The most important benefits that humus provides for horticultural plants and agricultural soils Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning Short exams, assignments, discussions	1 Theoretical The benefits of humic acids for plants and soil The most important benefits that humus provides for horticultural plants and agricultural soils Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning Short exams, assignments, discussions	7
3 Practical C3: Works on developing plans and programs to develop work in the field of organic agriculture. Visiting postgraduate students' research, and scientific research carried out using organic fertilizers, interactive lecture, brainstorming, dialogue and discussion, field training, self-learning, field project, assignment of tasks to report on what you learned during the visit.	3 Practical C3: Works on developing plans and programs to develop work in the field of organic agriculture. Visiting postgraduate students' research, and scientific research carried out using organic fertilizers, interactive lecture, brainstorming, dialogue and discussion, field training, self-learning, field project, assignment of tasks to report on what you learned during the visit.	3 Practical C3: Works on developing plans and programs to develop work in the field of organic agriculture. Visiting postgraduate students' research, and scientific research carried out using organic fertilizers, interactive lecture, brainstorming, dialogue and discussion, field training, self-learning, field project, assignment of tasks to report on what you learned during the visit.	3 Practical C3: Works on developing plans and programs to develop work in the field of organic agriculture. Visiting postgraduate students' research, and scientific research carried out using organic fertilizers, interactive lecture, brainstorming, dialogue and discussion, field training, self-learning, field project, assignment of tasks to report on what you learned during the visit.	3 Practical C3: Works on developing plans and programs to develop work in the field of organic agriculture. Visiting postgraduate students' research, and scientific research carried out using organic fertilizers, interactive lecture, brainstorming, dialogue and discussion, field training, self-learning, field project, assignment of tasks to report on what you learned during the visit.	
1 Theoretical organic fertilizers and soil conditioners, types of organic fertilizers added to agricultural soils, interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions	1 Theoretical organic fertilizers and soil conditioners, types of organic fertilizers added to agricultural soils, interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions	1 Theoretical organic fertilizers and soil conditioners, types of organic fertilizers added to agricultural soils, interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions	1 Theoretical organic fertilizers and soil conditioners, types of organic fertilizers added to agricultural soils, interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions	1 Theoretical organic fertilizers and soil conditioners, types of organic fertilizers added to agricultural soils, interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions	8
3 Practical C2: Explains the most important plant extracts used in organic agriculture.	3 Practical C2: Explains the most important plant extracts used in organic agriculture.	3 Practical C2: Explains the most important plant extracts used in organic agriculture.	3 Practical C2: Explains the most important plant extracts used in organic agriculture.	3 Practical C2: Explains the most important plant extracts used in organic agriculture.	
1 Theoretical Methods	1 Theoretical Methods	1 Theoretical Methods and	1 Theoretical Methods and dates for	1 Theoretical Methods and	9

and dates for adding organic fertilizers. The dates for adding organic fertilizers and the most important methods of addition are discussed. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	and dates for adding organic fertilizers. The dates for adding organic fertilizers and the most important methods of addition are discussed. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	dates for adding organic fertilizers. The dates for adding organic fertilizers and the most important methods of addition are discussed. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	adding organic fertilizers. The dates for adding organic fertilizers and the most important methods of addition are discussed. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	dates for adding organic fertilizers. The dates for adding organic fertilizers and the most important methods of addition are discussed. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	
3 Practical C2: Write a report on the compost industry.	3 Practical C2: Write a report on the compost industry.	3 Practical C2: Write a report on the compost industry.	3 Practical C2: Write a report on the compost industry.	3 Practical C2: Write a report on the compost industry.	
1 theoretical organic fertilizer (compost)	1 theoretical organic fertilizer (compost)	1 theoretical organic fertilizer (compost)	1 theoretical organic fertilizer (compost)	1 theoretical organic fertilizer (compost)	10
Its composition and the main purpose of its production	Its composition and the main purpose of its production	Its composition and the main purpose of its production	Its composition and the main purpose of its production	Its composition and the main purpose of its production	
1 Theory of fertilizers and biofertilization. Identifying the importance of biofertilizers, its types, benefits, and the characteristics of the organism present in the biofertilizer. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	1 Theory of fertilizers and biofertilization. Identifying the importance of biofertilizers, its types, benefits, and the characteristics of the organism present in the biofertilizer. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	1 Theory of fertilizers and biofertilization. Identifying the importance of biofertilizers, its types, benefits, and the characteristics of the organism present in the biofertilizer. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	1 Theory of fertilizers and biofertilization. Identifying the importance of biofertilizers, its types, benefits, and the characteristics of the organism present in the biofertilizer. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	1 Theory of fertilizers and biofertilization. Identifying the importance of biofertilizers, its types, benefits, and the characteristics of the organism present in the biofertilizer. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, and discussions.	11
3 Practical C3: Producing horticultural crops using organic fertilizers. Monitoring the cultivation of plants in pots to evaluate the effect of fertilizers on them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	3 Practical C3: Producing horticultural crops using organic fertilizers. Monitoring the cultivation of plants in pots to evaluate the effect of fertilizers on them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	3 Practical C3: Producing horticultural crops using organic fertilizers. Monitoring the cultivation of plants in pots to evaluate the effect of fertilizers on them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	3 Practical C3: Producing horticultural crops using organic fertilizers. Monitoring the cultivation of plants in pots to evaluate the effect of fertilizers on them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	3 Practical C3: Producing horticultural crops using organic fertilizers. Monitoring the cultivation of plants in pots to evaluate the effect of fertilizers on them. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	
1 Theoretical plant extracts and antioxidants	1 Theoretical plant extracts and antioxidants	1 Theoretical plant extracts and antioxidants	1 Theoretical plant extracts and antioxidants	1 Theoretical plant extracts and antioxidants	12
Its types, importance, and mechanism of operation: Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	Its types, importance, and mechanism of operation: Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	Its types, importance, and mechanism of operation: Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	Its types, importance, and mechanism of operation: Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	Its types, importance, and mechanism of operation: Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	
1 Theoretical extracts of plants, herbs and marine algae	1 Theoretical extracts of plants, herbs and marine algae	1 Theoretical extracts of plants, herbs and marine algae	1 Theoretical extracts of plants, herbs and marine algae	1 Theoretical extracts of plants, herbs and marine algae	13
3 Practical B2: Successfully plan to develop, improve and increase the production	3 Practical B2: Successfully plan to develop, improve and increase the production	3 Practical B2: Successfully plan to develop, improve and increase the production of horticultural crops using	3 Practical B2: Successfully plan to develop, improve and increase the production of horticultural crops using organic agriculture. Follow	3 Practical B2: Successfully plan to develop, improve and increase the production of	

of horticultural crops using organic agriculture. Follow up on the results of the potting experiment and discuss the results. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	of horticultural crops using organic agriculture. Follow up on the results of the potting experiment and discuss the results. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	organic agriculture. Follow up on the results of the potting experiment and discuss the results. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	up on the results of the potting experiment and discuss the results. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	horticultural crops using organic agriculture. Follow up on the results of the potting experiment and discuss the results. Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning and field evaluation.	
1 Theory of amino acids, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theory of amino acids, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theory of amino acids, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theory of amino acids, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theory of amino acids, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	14
3 Practical C2: Know and discuss topics related to organic farming.	3 Practical C2: Know and discuss topics related to organic farming.	3 Practical C2: Know and discuss topics related to organic farming.	3 Practical C2: Know and discuss topics related to organic farming.	3 Practical C2: Know and discuss topics related to organic farming.	
1 Theoretical: Vitamins, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theoretical: Vitamins, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theoretical: Vitamins, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theoretical: Vitamins, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	1 Theoretical: Vitamins, their types, importance, and mechanisms of action. Interactive lecture, dialogue and discussion, field training, practical exercises, self-learning, short exams, assignments, discussions.	15
3 Practical D1: Acquiring the communication skills necessary to deal with confidence and certainty at the individual and group levels	3 Practical D1: Acquiring the communication skills necessary to deal with confidence and certainty at the individual and group levels	3 Practical D1: Acquiring the communication skills necessary to deal with confidence and certainty at the individual and group levels	3 Practical D1: Acquiring the communication skills necessary to deal with confidence and certainty at the individual and group levels	3 Practical D1: Acquiring the communication skills necessary to deal with confidence and certainty at the individual and group levels	

9. Course evaluation

Relative weight %	Degree	Calendar date (week(	Calendar methods	ت
% 5	Theoretical: 3 Practical:- 2	Theoretical: 2-15 Practical: 2 - 15	a . Daily oral exams	1
% 10	Theoretical: 5 Practical: 5	Theoretical: 2-15 Practical: 2 - 15	B . Daily written exams	2
% 15	Theoretical: 10 Practical: 15	Theoretical: 7-13 Practical: 6 - 14	C. 2 semester exams during the semester for each	3
% 10	Theoretical: 7 Practical: 3	Theoretical: 15 Practical: 15	Practical and theoretical	4
% 40 % 20	Theoretical: 40 Practical: 20	Theoretical: Practical:	D . Assigning students to prepare reports on topics	5

% 100	100		the study.	6

10.Learning and teaching resources

Organic agriculture and the environment / Prof. Dr. Jass Mohammed Alwan	Required textbooks (methodology, if any)
	Main references (sources)
	Recommended supporting books and references (scientific journals, reports....)
Reports, bulletins and studies	Electronic references, Internet sites

Practical subject teacher
M.D. Ibtisam Ismail Ahmed

Theoretical subject teacher
Prof. Dr. Ayad Hani Al-Allaf

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