Course Description Form

1. Course Name
Grape Production and Small Fruits
2. Code Course
GPSF411
3. year /Semester
Second semester 2023 – 2024
4. description was prepared Date this
1/2/2024
5. Available attendance form .A
My presence
6. (Number of study hours (total)/number of units (total
tical + 3 practical (5 hours) 3.5
7. (if more than one name is mentioned) Name of the course administrator
:NameProf. Dr. Nabil Alimam nabemo56@uomosul.edu.iq Dr. Yusraa M. Saleh
8. objectives Course

Theoretical	Practical
1. Introducing students to the most important nutritional importance and nutritional value of grapes and grape varieties that can be successfully cultivated in Iraq. **2. Grape classification study.** **3. Enable students to understand the most important horticultural processes that must be performed in vineyards.** **4. The most important environmental requirements necessary for the successful cultivation of grapes. 5- Teaching students about the most important methods of reproduction of grapes.** **5. Introducing students to the annual grape cycle.**	**Enabling the student to learn about types of esign systems, and how to plan a gardens, d .garden practically on the ground**

9. Teaching and learning strategies	
Theoretical: 1- Direct lectures with students. 2- 2- PowerPoint slides. 3- 3- Identification photos. 4- 4- Audio recordings. 5- 5- Dialogues and discussions. 6. Assigning tasks an reports	Practical • **Assigning group work to reveal lead ershipDirect lectures with students. PowerPoint slides.** • **Scientific visits to orchids. Apply some practical skills in nursery facilities?** • **Dialogues and discussions with**

	students. Assigning tasks and reports.skills

10. Course structure

Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	Weeks
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: Grapes scientific name, spread, economic importance, botanical description. Practical: propagation by cuttings, types of stem cuttings, stages of accidental root exit on cuttings, factors affecting the exit of roots from cuttings	:Theoretical The student masters the scientific name of grapes and learns about the most important specifications of grape vines. Practical: The student masters the methods of vegetative propagation of vines	2 Theoretical practical 3	the first
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: climate, soil and its effect on grapes. Practical: methods of preparing woody stem cuttings, half-juicy cuttings, juicy cuttings, root cuttings	Theoretical: The student masters the study of the environment The appropriate environment for the growth of grapes Practical: The student masters the method of preparing cuttings for grapes	2 Theoretical practical 3	the second
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical:Grape classification	Theoretical: The student is familiar with grape classification	2 Theoretical practical 3	the third
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theorecical: Theoretical: climate, soil and its effect on grapes.	Theoretical: The student know Theoretical: climate, soil and its effect on grapes. Practical: methods of preparing woody stem cuttings, half-	2 Theoretical practical 3	the fourth

				juicy cuttings, juicy cuttings, root cuttings .		
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: What is Bleeding and the factors effect on its.	Theoretical The student knows the Bleeding practical tearing: the student learns about other methods of propagation such as laying and cancers	2 Theoretical practical 3	Fifth
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical tasks Assigning and reports	Theoretical: Buds burst and the factors effect on its.	Theoretical: The student learns about the burst buds and the factors affecting it Practical: Al-Tab gets acquainted with the most important origins of grapes	2 Theoretical practical 3	VI
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: Theoretical: The student knows the flowering of the vines of grapes.	Theoretical: The student knows the flowering of the vines of grapes. Practical: the student masters the method of growing seedlings	2 Theoretical practical 3	Seventh
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: General foundations of Setting in grapevine	Theoretical: The student masters the nature of the setting and its types of grapes. Practical: The student masters the most important methods of breeding and pruning vines.	2 Theoretical practical 3	Eight
، Short exams assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: Growth and development of berries	Theoretical: The student is familiar with the growth and development of the berries Practical: The student is familiar with the methods of pruning	2 Theoretical practical 3	Ninth

				fruiting and pruning renewal		
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: yield and physical components of the grape vine. Practical: The importance of water for fruit trees, methods of irrigation of grape trees	Theoretical: The student recognizes the physical characteristics of the quotient and the cluster	2 Theoretical practical 3	Ten
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: Biochemistry of grapes. Practical: fertilizer, types of fertilizers, methods of diagnosing nutrient deficiency on trees, main rules, benefits of adding organic fertilizer to sandy lands	Theoretical: The student masters the chemical transformations of grapes. Practical: The student masters fertilizing grape vines	2 Theoretical practical 3	eleventh
hort exams , S assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: classification of grape varieties. Practical: pollination, types of pollination, good qualities of the pollinated variety, pollinator distribution systems in the orchard, self-infertility, factors affecting non-fruiting	Theoretical: The student learns about the types and varieties of grapes and the specifications of the vines. Practical: The student learns about the processes of insemination and fertilization	2 Theoretical practical 3	twelveth
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks reports and	Theoretical: Simple grape service. Practical: fruit set, fruit growth, fruit growth stages, fruit thinning, fruit thinning methods	Theoretical: The student is familiar with the nature of fruit bearing and all horticultural service operations for vineyards. Practical: The student knows the fruit complex and the fruits are lighter	2 Theoretical practical 3	Thirteenth
Short exams , assignments, discussions	theoretical ، methods Writing on the board Direct dialogue style practical Assigning tasks and reports	Theoretical: Propagation and its types. Practical: waves of fall, causes of falling flowers and newly complicated fruits, fruit fall before picking, changes to fruits at maturity	Situational: The student masters the origins and propagation of grapes. Practical: The student learns about the causes of	2 Theoretical practical 3	fourteenth

			falling flowers and fruits and fruit ripening		
Short exams , assignments, discussions		Theoretical: A scientific trip to one of the orchards in the region. Practical: Writing a report on the most important plants and horticultural operations carried out in the nursery.	Theoretical: The student gets acquainted with the genie and maturity Practical: a scientific trip to one of the nearby orchards or nurseries	2 Theoretical practical 3	Fifteenth

11.t Headquarters evaluation

T	Evaluation methods	Evaluation date (one (week	Class	Relative % weight
1	Theoretical final report + practical reports	My theory is weeks 15 -My work is 1 weeks 15	theoretical + 6 7 practical	%13
2	Short testQuiz1	weeks 3	theoretical + 2 4 practical	%6
3	Midtermexam(Theoretical and practical)	weeks 9	theoretical + 5 10 practical	%15
4	Short test2Quiz	weeks 12	theoretical + 2 4 practical	%6
5	Final practical test	Practical exams week	20	%20
6	Final theoretical test	The week of theoretical exams	40	%40
	the total		100	100

1. Learning and teaching resources	
(Required textbooks (methodology , if any	**Grape Production** **Prof. Dr. Ibrahim Al-Saidi**
(Main references (sources	**General Viticulture** **Winkler *et al***
books and references Recommended supporting (….scientific journals, reports)	Horticulture Scince , American Soc.Ho Sci.
Electronic references , Internet sites	**Fruit Science**

Lecturer of theoretical subject: Prof. Dr. Nabil Mohamed Ameen Al-Imam.

Lecturer of practical subject: Dr. Yousra Mohamed Saleh.

Chairman of the Scientific Committee: Prof. Dr. Nabil Mohamed Ameen.

Head of the Department of Horticulture and Garden Engineering: Prof.Dr. Asmaa Mohamed Adel