

Republic of Iraq

The Ministry of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Horticulture and
landscaping
Stage: Third
Lecturer name: Zeana Hazbar Khazal
Scientific title: Assistant Professor
Qualification: PhD
Place of work: College of Agriculture

Flow up of implementation celli pass play

Course Instructor	Zeana hazber kazel				
E-mail	zeanahazber@uodiyala.edu.iq				
Title	Deciduous fruit 1				
Course Coordinator	First semester (autumn)				
Course Objective	Introducing students to the types of fruits and classifying them according to their areas of spread, environmental requirements, type of fruits and plant families. It also shows the difference between evergreen fruits and deciduous fruits (deciduous fruits). It also explains the environmental requirements necessary for the successful cultivation of different types and varieties of deciduous fruits. The student is also taught the importance of pruning and raising deciduous fruit plants, the nature of bearing and flowering, types of fruit growth curves, types of pollination and fertilization in different types of fruits, from irrigation and fertilization to different agricultural processes in the growth and yield of fruits. It also explains the stages of fruit growth and the appropriate times for harvesting each type according to the purpose of its use. It also explains the methods of fruit propagation and the importance of using rootstocks in grafting and fruit assembly.				
Course Description	Deciduous fruits and their cultivation requirements				
Textbook	Fruit production Authored by Dr. Alaa Abdul Razzaq Al-Jumaili and Dr. Jabbar Abbas Al-Dajil Deciduous fruits - their cultivation - care and production / Prof. Dr. Atef Mohamed Ibrahim				
Course Assessments	Theoretical semester tests %	Practical semester tests %	Quizzes %	Final practical test %	Final Exam %
	(25%)	(10%)	(5%)	20%	(40%)
General Notes	Final grade 100%				

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the week	the date	Topics Covered	Practical Part	Notes
1		Identifying and dividing types of fruits	Cultivation of fruit crops	
2		Knowing the importance of providing low winter temperatures for the success of fruit cultivation	Dormancy and resting phase in the fruit	
3		Knowing the appropriate environmental conditions to give a good yield	Climatic requirements of fruit plants	
4		Knowing the appropriate environmental conditions to give a good yield	Complement climatic requirements	
5		Distinguishing between types of flowers and types of pollination in fruits	Flowering in deciduous fruit	
6		Knowledge of compatibility and incompatibility in pollination and methods of pollination of fruit plants	Pollination, types and methods	
7		Semester 1st exam	Semester 1st exam	
8		Knowing how double fertilization and parthenocarpy fruiting occur	Fertilization and fruit setting	
9		Identify the types of flower and fruit drop	Fall of flowers and fruits, virgin fruits and its types	
10		Identify student about Alternate bearing in fruit trees	Alternate bearing in fruit trees	
11		Identify the various types of growth of each group of fruits known when and their known types for each stage	Stages of fruit growth and types of growth curves	
12		Identify student to the reasons for resorting to propagation by grafting and compounding in fruit	Fruit ripening and maturity standards	
13		Identify student to the reasons for resorting to propagation by grafting and compounding in fruit	Selection of rootstocks for deciduous fruit trees	
14		influence between origin and bud	Identify student to the features of the rootstock groups used in vaccination	

			and when to choose each rootstock	
15		Semester 2 nd exam	Semester 2 nd exam	



Teacher's signature
Assistant Professor. Dr. Zeana Hazbar Khazal
15/1/2025



Dean's signature
Prof. Dr. Raaed Ibrahim Khalil
15/1/2025