



Jordan University of Science and Technology
Faculty of Agriculture
Plant Production Department

PP322 Deciduous Fruit Trees
Second Semester 2019-2020

Course Catalog
0 Credit Hours. Practical part layout and planting systems. pruning and training system of different pome and stone tree fruits. Sexual and a-sexual propagation methods

Text Book	
Title	Plant Propagation, Principles and Practices
Author(s)	Hartmann, H.T., D. E. Kester, and F. T. Davies, Jr
Edition	8th Edition
Short Name	Ref # 1
Other Information	none

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	Modern Fruit Science	Childers, N, F., J. R. Morris, and G. S. Sibbett.	10th Edition	none

Instructor	
Name	Dr. Nawaf Freihat
Office Location	M1L2
Office Hours	Sun : 09:00 - 11:00 Mon : 09:00 - 10:00 Tue : 09:00 - 11:00 Wed : 09:00 - 10:00
Email	nfreihat@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun : 13:30 - 16:30
Room: LAB

Section 2:
Lecture Time: Mon : 13:30 - 16:30
Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 2	Laboratory No. 1. Pruning: Pruning of different Pome and Stone fruit trees are illustrated to the students pointing out the following -Bearing habits -Heading back. -Thinning out. - Long pruning. -Dormant and summer pruning.	From Ref # 2
Weeks 3, 4, 5	Laboratory No. 2,3, &4 Training Systems Different raining systems are illustrated to the students: -Open center. -Central leader. -Tatura trellis (V-shape). -Palmette. -Slender spindle and Trellis design	From Ref # 2
Weeks 7, 8	Laboratory No.5,6. -Buddings: -T-Budding. -Inverted T- Budding. -Patch Budding. -Chip Budding	From Ref # 1
Weeks 9, 10, 11	Laboratory No.7&8. Graftings: -Cleft grafting. -side grafting. -Tongue grafting. Repaing graftings: -Bridge grafting. Inarching grafting.	From Ref # 1
Weeks 12, 13	Laboratory No. 12 &13. -Cuttings and Layering: Types of cuttings: Hard,semi-hard, and soft wood cuttings: Layering, Simple, air, and mound layering	From Ref # 1
Week 14	Laboratory No. 14. Layout and planting systems	From Ref # 2

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To draw the students attention to the important of layout and planting systems. [10PLO1, 10PLO6]	20%	
To make sure that the students can easily deal with pruning and training system of different deciduous fruit trees. [10PLO2, 30PLO3]	40%	
To encourage the students to practice different propagation methods [10PLO2, 30PLO3]	40%	

Relationship to Program Student Outcomes (Out of 100%)

PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
10	20	60			10	

Evaluation

Assessment Tool	Weight

Lab	20%
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Policy	
Laboratory	Fourteen 'lab' during the course. Students must submit lab reports weekly, and submit final lab exam. Lab attendance is essential for passing the course.

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