



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

PP322 Deciduous Fruit Trees

Second Semester 2019-2020

**Course Catalog**

3 Credit Hours. Growing deciduous fruit trees (Pome, Stone fruits and Pistachio). Production practices: Planting, Irrigation, Fertilization, thinning, spraying, training and pruning. growth patterns and bearing habit, orchards establishments, and propagation methods, (sexual and a-sexual propagation).

**Text Book**

<b>Title</b>	Modern Fruit Science
<b>Author(s)</b>	Childers, N, F., J. R. Morris, and G. S. Sibbett.
<b>Edition</b>	10th Edition
<b>Short Name</b>	Ref # 1
<b>Other Information</b>	none

**Instructor**

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

**Class Schedule & Room**

Section 1:  
 Lecture Time: Mon, Wed : 10:00 - 11:00  
 Room: C5023

Prerequisites		
Line Number	Course Name	Prerequisite Type
622240	PP224 Plant Physiology	Prerequisite / Study
622021	PP202 Principles Of Plant Science	Prerequisite / Pass

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Introduction to deciduous fruit trees , Climatic requirements, fruit trees classification	<b>Chap.1</b> From <b>Ref # 1</b>
Week 3	Propagation, (Sexual and A -sexual)	<b>Chap.8</b> From <b>Ref # 1</b>
Week 4	Apples, cultivars, bearing and fruiting habits. Establishing new orchards	<b>Chap.2</b> From <b>Ref # 1</b>
Weeks 5, 6	Rootstocks and Planting systems	<b>Chap.3</b> From <b>Ref # 1</b>
Weeks 7, 8	High density tree planting. Pruning and training	<b>Chap.4</b> From <b>Ref # 1</b>
Week 9	Alternate bearing habits Soil and tree management	<b>Chap.5,7</b> From <b>Ref # 1</b>
Week 10	Pear and Quince culture	<b>Chap.13</b> From <b>Ref # 1</b>
Week 11	Peach and Nectarines culture	<b>chap.14</b> From <b>Ref # 1</b>
Week 12	Apricot and Almond culture	<b>Chap.14</b> From <b>Ref # 1</b>
Week 13	Plums and Cherry culture	<b>Chap.15,16</b> From <b>Ref # 1</b>
Weeks 14, 15	Grapes, Pistachio and Walnut	<b>chap,17,20</b> From <b>Ref # 1</b>

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To draw the student?s attention to the importance of deciduous fruit trees in regard to their nutritional and economical value [15PLO1, 10PLO2]	25%	
To familiarize the students with different cultural practices needed by deciduous fruit trees [10PLO4, 5PLO5]	15%	
To familiarize the students with different training and pruning methods [30PLO3, 5PLO6]	35%	
To ensure that the students can classify deciduous fruit trees [10PLO2]	10%	
Encourage the students to practice different propagation methods concerning deciduous fruit trees, as well as the layout [10PLO3, 5PLO6]	15%	

Relationship to Program Student Outcomes (Out of 100%)						
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7
15	20	40	10	5	10	

Evaluation	
Assessment Tool	Weight
First	20%
Second	20%
Lab	20%
Final	40%

Policy	
Exams	Exams are closed book, First, second and a comprehensive final exam. An incomplete exam need the department chair and the dean approval
Cheating	Cheating is prohibited, and if so the student will be subjected to punishment according to the school rules and regulations
Attendance	Students are supposed to attend the class meetings on a regular basis. The student is considered failed in the course, If he exceeds the allowed 20% of absence, (deprived by absence).
Participation	Participation is highly encouraged
Laboratory	Students will attend thirteen labs during the course. Students must submit lab reports weekly, and submit final lab exam. Lab attendance is essential for passing the course
Withdraw	The student can withdraw from the course in accordance with the frame time defined by the school regulations

Date Printed: 2020-11-22