



Department of Horticulture

College of Agriculture Engineering Sciences

University of Salahaddin

Subject: Nut and Miscellaneous Fruits

Course Book – 3rd Stage / Second Semester

Mrs. Kaniaw Najmadin Sharif, Msc

Academic Year: 2022/2023

Course Book

1. Course name	Nuts and Miscellaneous Fruits
2. Lecturer in charge	Mrs. Kaniaw Najmadin Sharif
3. Department/ College	Horticulture / Agricultural engineering sciences
4. Contact	e-mail: kaniaw.sharif@su.edu.krd
5. Time (in hours) per week	Practical: 3 Hrs
6. Office hours	Availability of the lecturer to the student during the week Probably from three to four times per week if I have not lecture, or /and if the students asked me always I will be at office as I could
7. Course code	
8. Teacher's academic profile	<p>PERSONAL DATA</p> <ul style="list-style-type: none"> • Date of Birth:28/7/1979 • Sex: female • Nationality: Iraqi <p>EDUCATION Scientific Degree: Year / Research Subject / University</p>

	<ul style="list-style-type: none">• B.SC : Year / Research Title / University 2005/ horticulture/ College of Agriculture/ University of Sulaimany/ Kurdistan Region/ Iraq.• M.SC : Year/ Research Title / University 2010/ Horticulture/ pomology College of Agricultural Engineering Scienses/University of Salahaddin/ Kurdistan Region/ Iraq. <p>Training: 1- Language Center - Salahaddin University 2- E learing center Ibn-Sina Sallahadin university</p> <p>COMPUTER SKILLS:</p> <ul style="list-style-type: none">• Word• Excel• Power point <p>LANGUAGES</p> <table border="0"><tr><td>Language</td><td>Written</td></tr><tr><td>Speaki</td><td>Comprehension</td></tr></table>	Language	Written	Speaki	Comprehension
Language	Written				
Speaki	Comprehension				

	Kurdish: Excellent Excellent Excellent English: Good Good Good Arabic: Good Good Good
9. Keywords	Description, propagation, fertilization, renovation, mulching, farm cultivation and Variety of small fruits.
10. Course overview: <p>Fruit Production is an important part of Horticulture that plays a pivotal role in the livelihoods and food and nutritional security of the community in the country. Due to existence of large agro-climatic diversity, favorable soil conditions and ample water resources, different temperate fruit crops are grown in different parts of the country. Fruit crops allow efficient utilization of resources like land, water, labor and agricultural inputs, resulting in higher income per unit of available resource while maintaining and developing the natural resource base. From a social aspect, fruit trees help people become connected to the growing process while also providing a nutritious food source and food security. Planting fruit trees also has many helpful environmental benefits, from cleaner air to reduced energy costs and green jobs. In a community setting, an orchard with fruit trees provides opportunities for residents to learn about sustainable development and growing your own food. In some communities, orchards open the door for green jobs and other small business opportunities. The contribution of fruits towards diversification of the economy of the country is also enormous. The development of fruit crops could provide the basis for the establishment of agro-industries, contributing for the transformation of the agriculture of Kurdistan.</p>	

11. Course objective:

The main objectives of this course are:

1. Identify different types of fruit crops, which can be successfully grown in the learner's region.
2. Explain or describe different families of deciduous fruit tree and most important groups, varieties or cultivars of each family, the description include (description of stem, leaf, flower and fruit of the tree).
3. Identify the major orchard culture practices and choosing the best time of each one that include (Irrigation, fertilization, training and pruning, weed and insect control and harvesting of fruit) and identify different method of each practices.
4. Discuss and demonstrate various methods of plant propagation.
5. Environmental factors that affect growth and development of tree and fruits.

12. Student's obligation

Some of students are response to the class very well and they do all homework and active to practice task and always present to exams. The students also must participate in class activities and present reports on subjects that I choose or they choose by their selves.

13. Forms of teaching

Generally data show will be used with power point, white board and paper of the lecture is also use.

14. Assessment scheme

There are two monthly examinations and every week there is a quiz at the beginning of the lecture or sometimes at the end of the lecture. After four lecture we will have exam and there is a quiz at the begging of the lectures The total marks of practical part are (35%) so the mid semester exam is 25% and the rest of is divided equally on the homework, daily quiz, reports, seminars and class activity.

15. Student learning outcome:

EXPECTED LEARNING OUTCOMES:

On successful completion of this module the students will be able to:

1. Identify different families of deciduous fruit tree and most important groups, varieties or cultivars of each family. Describe the importance and uses of different type of fruits.
2. Identify the major differences between deciduous fruit trees according to method of training and pruning method of harvesting and quality and quantity of fertilizer that the tree needed.
3. Discuss the need of market to these productions of fruit trees and how to arrive them to the market with high quality at write time and how to store them.

16. Course Reading List and References:

- Conedera, M. Krebs, P. Tinner., de Rigo, D. and Caudullo, G. (2004). The cultivation of *Castanea sativa* (Mill.) in Europe, from its origin to its diffusion on a continental. *Veget Hist Archaeobot* 13:161–179 DOI 10.1007/s00334-004-0038-7scale
- Ashton, R. Baer, B. and Silverstein, D. (2006). *THE INCREDIBLE POMEGRANATE PLANT & FRUIT*. Third Millennium Publishing. ISBN 1-932657-74-6.
- Guroo I., Wani SA, Wani SM, Ahmad M, Mir SA and Masoodi, FA. (2017). A Review of Production and Processing of Kiwifruit. *J Food Process Technol*, an open access journal ISSN: 2157-711
- [Fruit-Tree-Production.pdf](#)
- [Production-Technology-of-Fruit-Crops K2.pdf](#)
- <https://www.chrisbowers.co.uk/article/the-ultimate-guide-quinces/>
- [ANR-1145_FigProductionGuide_080919L-G.pdf](#)
- https://www.researchgate.net/publication/288834937_POMEGRANATE_Cultivation_Marketing_and_Utilization?enrichId=rgreg-76170f7751238b42e864da57ac7bc43e-XXX&enrichSource=Y292ZXJQYWdlOzI4ODgzNDkzNztBUzozMTI5NzE2NTY0MDA4OTZAMTQ1MTYyOTY2NTE2NA%3D%3D&el=1_x_3&_esc=publicationCover

<p>Week 9: Chestnut (Fertilization, Pruning and cultivars).</p> <p>Week 10: Presentations by students.</p> <p>2nd mid-semester exam</p>	<p>(3 hrs)</p>
<p>19. Examinations:</p> <ol style="list-style-type: none"> 1. Write the scientific name and the family of (Apple, Pear, Plum....). 2. What is the reason of the followings 3. Numerate each of the followings 4. Explain why? 5. Enumerate the followings 6. True or false type of exams: 7. Compare the following: 8. Fill the blanks with suitable words 	
<p>20. Extra notes:</p>	
<p>21. Peer review پيداچوونئوهدى</p> <p style="text-align: center;">هاوهدل</p> <p>This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section</p>	