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**Department of Horticulture**

**College of Agriculture**

**University of Salahaddin**

**Subject: Evergreen fruit Production**

**Course Book –(Year 4)**

**Mrs. Parween Muhammad Kareem , Ms**

**Academic Year: 2018/2019**

**Course Book**

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| **1. Course name** |  |
| **2. Lecturer in charge** | **Dr. Jihad** |
| **3. Department/ College** | **Horticulture / Agriculture** |
| **4. Contact** | **e-mail: parween.kareem@su.edu.krd** |
| **5. Time (in hours) per week**  | **Practical: 3 Hrs**  |
| **6. Office hours** | **6 Hrs**  |
| **7. Course code** |  |
| **8. Teacher's academic profile**  | **I’m researching the production and propagation of different fruit trees according to my specialty and their responses to environmental parameters such as climate change and pollution.I incorporate research into my undergraduate teaching, using examples from my own work to illustrate the fundamental principles I’m explaining. Using current research questions to illustrate fundamental ecological and physiological principles really helps students to realize the importance and real world applications of what they’re being taught, and also makes for a far more enjoyable learning experience.** |
| **9. Keywords** |  **Description, propagation, farm cultivation and Varity of Evergreen fruit trees.**  |
| **10. Course overview:** **Evergreen Fruit production is one** **of the important and paying branches of horticulture. It has been practiced in Iraq especially in Kurdistan region since times. The art and science has now developed into one of the most deviled skilful and intensive forms of land utilization. The standard of living of the people of countries is judge by the production and per capita conservation of fruits. Evergreen fruit growing has several economic advantages.** |
| **11. Course objective:**-: The **main objective is to develop evergreen fruit orchards is management systems to grow grapes with specified quality attributes and accelerating the adoption of environmentally sustainable vineyard practices. And it focuses on practical management techniques to increasing the yield and quality of table and raisin grapes under our conditions in order to be competitive on the local markets.****-Transition to High Value Agriculture is one of the two Compact projects and aims at increasing incomes in the rural areas by encouraging high value agriculture and catalyzing investments into high value production.** |
| **12. Student's obligation** **All students are response to the class very well and they do all homework and active to practice task and always present to exams.** |
| **13. Forms of teaching****Data show, PowerPoint, white board and practice active.** |
| **14. Assessment scheme****The total marks of practical part are 15% so the mid semester exam is 10% and the rest of is divided equally on the homework, daily quiz, reports, seminars and class activity.** |
| **15. Student learning outcome:****Study Farming evergreen fruit, and orchards Production.  This course starts by introducing the evergreen fruit growing, and moves through most of the skills needed for successful fruit growing in a serious way. Topics covered include management, soils, planting, irrigation, pruning, and cultural practices to grow better grapes.** **Students become ready to:*** **start or improve your own farm business; small or large**
* **Grow a wider range of fruit at home**
* **Work in the Fruit industry, as a grower, farm hand, supplier, or in any other capacity**
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| **16. Course Reading List and References‌:*** Evergreen fruit production.J. D. Aga and D. A. Dawd. 1991.
* A catalogue of forest-trees, fruit tree evergreen and flowering shrubs, green house and herbaceous plant. W.A Mackie.2007.
* Fruit tree in small spaces. Colby Eierman.
* Evergreen Plants (Greenfingers Guides).Lucy Summers.2012.
* Other sources of net.
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| **17. The Topics:** | **Lecturer's name** |
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| **18. Practical Topics**  |  |
| **Week 1: Olive tree** (Tree description and propagation methods).**Week 2: Olive tree** (Fertilization, Pruning and cultivars. (**Week 3: Citrus tree** (Type of citrus, Tree description and propagation methods,Fertilization, Pruning and cultivars).**Week 4: Loquat tree** (Tree description, propagation, Fertilization, Pruning and cultivars)**Week 5: Papaya** Tree description, propagation, Fertilization, Pruning and cultivars)**Week 6: Mango** Tree description, propagation, Fertilization, Pruning and cultivars)**Week 7: Avocado tree** (Tree description, propagation, Fertilization, Pruning and cultivars)Week 8: **Date palm tree** (Tree description and propagationmethods).Week 9: **Date palm tree**(Fertilization, Pruning and cultivars).Week 10: **Banana plant** (Plant description, propagation methods, Fertilization, Pruning and cultivars).Week 11: **Pineapple plant** (Plant description, propagation methods, Fertilization, Pruning and cultivars).Week 12: **Annona tree**(Tree description, propagation methods, Fertilization, Pruning and cultivars).Week 13: Coconut (Plant description, propagation methods, Fertilization, Pruning and cultivars).Week 14: Olive propagation in the Grdarasha field.Week 15: Citrus propagation in the Grdarasha field.**Week 16 : Presentation of seminar by students.**  | Mrs. Parween M. Kareem (3 hrs)1/10/2018 |
| **19. Examinations:*****1.*** What is the reason of the followings:1. The banana leaf is look like a frond.

***2.******True or false type of exams:***1. Brazilian bananas variety like the 'Dwarf Brazilian' and The Cavendish. False.
2. Pineapple fruit is Multiple fruit. True.

***3.*** Answer the following questions :Q / Write the difference between ratoon and slips? |
| **20. Extra notes** |
| **21. Peer review پێداچوونه‌وه‌ی هاوه‌ڵ**   |