Ministry of Higher Education and Scientific research



# Department of Plant Protection

**College of Agriculture Engineering Sciences University of Salahadin**

**Subject: Principle of Horticulture plants**

**Course Book – Year 2**

**Lecturer's name :Mr. Sazar Sami Noraldeen Academic Year: 2023-2024**

**Second semester (Spring)**

| **1. Course name** | | **Second Trimester** |
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| **2. Lecturer in charge** | | **Sazar Sami Noraldeen** |
| **3.** | **Department/ College** | **Plant protection/Agriculture** |
| **4.** | **Contact** | **e-mail:** [**Sazar.noraldeen@su.edu.krd**](mailto:Sazar.noraldeen@su.edu.krd) |
|  |  | **Tel: 07504495331** |
| **5. Time (in hours) per week** | | **Theory: 2 Practical: 2** |
| **6.** | **Office hours** | **8** |
| **7. Course code** | | **-** |
| **8.** | **Teacher's academic profile** | **I was a teaching staff in college of education in the university of** |
|  |  | **Salahadin (biology dept.), then I came to college of agriculture** |
|  |  | **because it is my specialty. I have conducted a lot of training courses** |
|  |  | **for students in practical and theoretical parts. I have also had many** |
|  |  | **management roles in the college, such as assistant of dean, and** |
|  |  | **supervisor of academic relationships.** |
| **9. Keywords** | |  |
| **10. Course overview: To familiarize students about the principles of horticulture including pl;ant structure and function, methods of propagation, soils and their fertility, pest and disease control, with directing plant growth and development of three main parts of horticulture which includes: fruit, vegetables, and ornamental plants** | | |
| **11. Course objective:**  **It is the intensive study of horticulture products (vegetables, fruits, ornamental plants) under protective structures and open fields having many objectives:**  **1- High quality and quantity.**  **2- Seasonal production. (vegetables, fruits, ornamental plants)**  **3- Higher profit as a consequence.**  **This is possible, since we are able to manage:**   * 1. **Providing the protective plants with proper Env. Conditions (Temp. ↓or↑, R.H.↑or↓, light intensity ↓or↑ and CO2 ↓or↑).**   2. **Providing the plants with proper Nutritional requirements.**   3. **Providing the plants with well prepared soil, free from diseases,** | | |

| **12. Student's obligation**  Students should follow the rules in the hall. They should participate during lesson . They should be  .ready on time. Students must be well prepared for daily quiz and also for end course examinations | |
| --- | --- |
| |  | **Assignment** | **Point Each** | **Total points** | | --- | --- | --- | --- | |  | **Homework and Quizzes** | **1** |  | | **Theory & Practice** | **15(Theory) + 35(practice)** |  | **50** | | **Final (Theory:50)** | **Just theory final** |  | **50** | | **Total** |  |  | **100** |   **14. 14 .Assessment scheme** | |
| 1. **Forms of teaching**    1. Power point presentations: for the lectures and using explanation diagrams beside photos of the subjects discussed.    2. Running conservations to reach the solutions of some presented problems concerning ecological problems.    3. Field trips to the research center, gardens of grdarasha fields, and privately owned fields. Watching some movies concerning the importance of the topic, | |
| **14. 14. Assessment scheme**  **Assignment Point Each Total**  **Homeworks( (seminars and reports) & quizzes 1** | |
| 1. **Student learning outcome:**    1. Helping the students in acquiring the required skills.    2. Easy to do very rapid prototyping    3. Quick to learn, and good documentation | |
| 16-Reference:  1- Principles of Horticulture by Charles Adams, Mike Early, Jane Brook, Katherine Bamford Level 2  2- Botany for gardeners by Brian Capon  3- Pruning and Training by David Joice and Christopher Brickel  4- Bringing Nature Home by Douglas Talamy and Rick Darke | |
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**Course Programme:-**

| Week | Issue |
| --- | --- |
| 1st Week | Introduction and background to horticulture |
| 2nd Week | External features of plants |
| 3rd Week | Plant propagation |
| 4th Week | Plant management |
| 5th Week | Plant nutrition |
| 6th Week | Ornamental Horticulture part 1 |
| 7th Week | Ornamental Horticulture part 2 |
| 8th Week | Pomology (fruits) part 1 |
| 9th Week | Pomology (fruits) part 2 |
| 10th Week | Olericulture part 1 |
| 11th Week | Olericulture part 2 |
| 12th Week | Horticulture and Ethics part 1 |
| 13th Week | Horticulture and Ethics par 2t |
| 14th Week | Hydroponic systems |

Note: this syllabus may be subjected to changes and the student will be notified well in advance.



Directorate of Quality Assurance and Accreditation

بهڕێوهبهرایهتی دڵنیایی جۆری و متمانهبهخشین

Ministry of Higher Education and Scientific research Q1 Define five from the following:-

Q2Distinguish or (Differentiate ) between the followings Q3Elucidate the following

Q4Combine (match) the following phrases

Q5Compare between Q6Fill in the blanks:

Q7 State true or false by rewriting the sentences with correcting the false phrases if there is any:

Q8Choose the right answer?



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