



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|---|----------------------------------|---|------------|---|
| Course Title | | Horticultural Plants | | | | | | | |
| Course Code | | FY105 | | Course Level | | Short Cycle (Associate's Degree) | | | |
| ECTS Credit | 3 | Workload | 75 (Hours) | Theory | 2 | Practice | 1 | Laboratory | 0 |
| Objectives of the Course | | Giving knowledge on description of horticulture plants, impregnation biology, production and growing an eceological demands | | | | | | | |
| Course Content | | Some informations about identification and classifications of horticultural plants, effects of horticulture on economy, biological characteristics of plants, ecological requests of plants, soil and soil types, cultivation, salinity, irrigation,, winter and summer fruits and vegetables are given in this lesson for base to the other lessons | | | | | | | |
| Work Placement | | Students must have to complete their internship within the required time and properties. The required rules are describes at the Adnan Menderes University, Sultanhisar Vocational School, Student Internship Instructions. | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study | | | | | |
| Name of Lecturer(s) | | Lec. Sebnem Nalan AKAROĞLU. Prof. Oğuz DOLGUN | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 70 |

Recommended or Required Reading

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| 1 | Course notes of Lecturers |
| 2 | Internet |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Theoretical | Description and classifications of horticultural plants, effects on economy |
| 2 | Theoretical | Biological characteristics, Origin of flower, flower structure, gender |
| 3 | Theoretical | Flower types, germ formation, pollening, fertilizing, |
| 4 | Theoretical | Infertility, imcompatibility Seed, Fruit, parthenocarpy, apomixis, |
| 5 | Theoretical | Ecological demands, temperature Light, moisture, weather moisture, soil moisture, wind, salinity, optimum temperature, extreme temperature and effects on plants |
| 6 | Theoretical | Soil, soil types, Soil frazzle, soil reactions Special ecological demands of Fruits Special ecological demands of vegetables |
| 7 | Theoretical | Propagation techniques of horticultural plants (Seed propagation) |
| 8 | Intermediate Exam | Midterm |
| 9 | Theoretical | Propagation techniques of horticultural plants (Vegetative propagation) |
| 10 | Theoretical | Propagation techniques of horticultural plants (Vegetative propagation) |
| 11 | Theoretical | Establishment of orchards |
| 12 | Theoretical | Establishment of vegetable garden |
| 13 | Theoretical | Annual maintenance works in fruit and vegetable gardens |
| 14 | Theoretical | Annual maintenance works in vegetable gardens |
| 15 | Theoretical | Harvest |
| 16 | Final Exam | Final Term |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Lecture - Practice | 14 | 0 | 1 | 14 |
| Land Work | 3 | 5 | 0 | 15 |
| Midterm Examination | 1 | 8 | 1 | 9 |



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|-----------------------------------------|---|---|---|----|
| Final Examination | 1 | 8 | 1 | 9 |
| Total Workload (Hours) | | | | 75 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 3 |
| *25 hour workload is accepted as 1 ECTS | | | | |

Learning Outcomes

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|---|-------------------------------------------------------------------------------------------|
| 1 | Recognizing horticulture plants, Learning ecological demands and learning classifications |
| 2 | Learning biological characteristics |
| 3 | Learning ecological characteristics |
| 4 | Learning special ecological demands |
| 5 | Having knowledge on flowering, fruit set, fruit loses |
| 6 | Having knowledge on ripening and storage |

Programme Outcomes (Plant Protection)

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | To be able to learn about systematics, morphological, biological, ecological and epidemiological information about diseases, pests and weeds that cause the loss of the crop at every stage of production, |
| 2 | To be able to become familiar with agricultural management control methods and their use in control of plant diseases, pests and weeds in cultivated agricultural crops, |
| 3 | To be able to diagnose and identify plant diseases, insect, mite or nematode pests or weeds that cause economical losses in stored crops and products, |
| 4 | To be able to use pesticides safely and effectively and informed about their hazardous non-target effects on the environment and human health. |
| 5 | To be able to learn plant protection products and their practice in organic agriculture, |
| 6 | To be able to evaluate the information obtained throughout the learning process with cause-effect relations, to be able to collect data and transfer the results to practice, and to predict where, when and why to use the information |
| 7 | To be able to comply with professional, cultural, social ethic rules in his / her field and to be entrepreneurial |
| 8 | To be able to have conscious of the universality of social rights, social justice, quality and cultural values, environment protection, occupational health and safety issues |
| 9 | To be able to use information and communication technologies together with the required computer software of his / her field |
| 10 | To be able to have the necessary background and qualifications to work in public and private agriculture sectors, to be able to conduct a study independently / as a team member and to be able to comply with the relevant legislation |

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

| | L1 | L2 | L3 | L4 | L5 | L6 |
|-----|----|----|----|----|----|----|
| P6 | 4 | 4 | 4 | 3 | 3 | 3 |
| P7 | 2 | 3 | 3 | 3 | | 3 |
| P10 | 2 | 3 | 3 | 3 | | |

