

GREENHOUSE VEGETABLE GROWING

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| 1 | Course Title: | GREENHOUSE VEGETABLE GROWING | |
| 2 | Course Code: | BTKS128 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | Short Cycle | |
| 5 | Year of Study: | 2 | |
| 6 | Semester: | 4 | |
| 7 | ECTS Credits Allocated: | 3.00 | |
| 8 | Theoretical (hour/week): | 1.00 | |
| 9 | Practice (hour/week): | 2.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Öğr. Gör. Dr. HÜSEYİN CAN ALPSOY | |
| 15 | Course Lecturers: | Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları | |
| 16 | Contact information of the Course Coordinator: | Dr. Hüseyin Can Alpsoy hcan@uludag.edu.tr 0(224)7736042 | |
| 17 | Website: | | |
| 18 | Objective of the Course: | To introduce students different types of vegetables grown in greenhouses and to teach how to grow the most cultivated vegetables in the greenhouses (theoretical and practical) | |
| 19 | Contribution of the Course to Professional Development: | In greenhouses, more disease-pest problems are generally encountered due to reasons such as inadequate ventilation and soil fatigue. The student will gain experience on phytosanitary problems encountered during greenhouse vegetable cultivation, thanks to this course. | |
| 20 | Learning Outcomes: | | |
| | | 1 | To be able to learn and apply how greenhouse vegetables are grown in the greenhouse |
| | | 2 | To be able to explain the botanical characteristics and climate requirements of greenhouse vegetables |
| | | 3 | To be able to do cultural maintenance of greenhouse vegetables |
| | | 4 | To calculate the number of seedlings and seed amount required for a decare greenhouse |
| | | 5 | To be able to recognize and use the necessary tools and equipment for growing greenhouse vegetables and seeds |
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| 21 | Course Content: | | |
| | | Course Content: | |
| Week | Theoretical | Practice | |

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| 1 | Most widely grown vegetables in the greenhouses in Turkey and its reasons | Demonstration of vegetable species in our greenhouse |
| 2 | Greenhouse tomato cultivation | Introducing some vegetable seeds to students |
| 3 | Greenhouse tomato cultivation (continued) | Cleaning and sorting of standard seeds harvested in our application greenhouse |
| 4 | Cucumber cultivation in greenhouse | To make students carry out germination studies with vegetable seeds |
| 5 | Cucumber cultivation in greenhouse (cont.) | Testing germination times of different vegetable seeds in incubator |
| 6 | Greenhouse pepper cultivation | Demonstration of grafting of cucumber seedlings on the pumpkin we grow from seed |
| 7 | Eggplant growing in greenhouse | Technical visit (seedling company visit) |
| 8 | Melon-watermelon cultivation in greenhouse | Vegetable harvest in our greenhouse |
| 9 | Squash cultivation in greenhouse | Cultural practices in our greenhouse |
| 10 | Growing lettuce in greenhouse | Sowing lettuce seeds into viols |
| 11 | Greenhouse bean cultivation | Tomato and pepper seed broadcast sowing |
| 12 | Strawberry cultivation in greenhouse | Preparing strawberry growing sites and mulching |
| 13 | Growing of green leafy vegetables such as parsley, spring onion and rocket in greenhouses | Planting of parsley, rocket etc seeds |
| 14 | An overview | Videos about vegetable production |

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| 22 | Textbooks, References and/or Other Materials: | Sevgican A.,2002. Örtü Altı Sebzeçiliği (Cilt I. Topraklı Tarım). Ege Üniversitesi Ziraat Fakültesi Yayınları No: | | |
| Activites | | Number | Duration (hour) | Total Work Load (hour) |
| Theoretical | R | 14 | 1.00 | 14.00 |
| Midterm Exams | 1 | 14.00 | | |
| Practicals/Labs | | 14 | 2.00 | 28.00 |
| Self study and preparation | 0 | 14 | 1.00 | 14.00 |
| Homeworks | 0 | 0 | 0.00 | 0.00 |
| Final Exam | 1 | 0.00 | 0.00 | 0.00 |
| Projects | 0 | 0 | 0.00 | 0.00 |
| Field Studies | | 0 | 0.00 | 0.00 |
| Contribution of Term (Year) Learning Activities to Midterm exams Success Grade | | 14.00 | 14.00 | 14.00 |
| Others | | 0 | 0.00 | 0.00 |
| Contribution of Final Exam to Success Grade | | 0.00 | 20.00 | 20.00 |
| Final Exams | 1 | 0 | 20.00 | 20.00 |
| Total | | 140.00 | | |
| Total Work Load | | | | 90.00 |
| Measurement and Evaluation Techniques Used in the Course | | Measurement and evaluation is carried out according to the principles of Bursa Uludağ University associate and | | |
| Total work load/ 30 hr | | 3.00 | | |
| ECTS Credit of the Course | | 3.00 | | |

24 ECTS / WORK LOAD TABLE

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| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK3 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

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| ÖK5 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | 2 low | | 3 Medium | | | 4 High | | | 5 Very High | | | | | |