



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nursery Plant Growing and Nursery Management							
Course Code		BB418		Couse Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The aim of this course is to give knowledge about current status of nursery sector, propagation methods of nursery trees, problems and solutions during nursery tree propagation, methods of healthy, good quality, and true-to-type nursery tree production, and methods in some nursery plant species in Turkey.							
Course Content		Advantages of nursery plant production, description of nursery plant production methods, necessary applications in good quality and true-to-type nursery plant production							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Lec. Gülsüm KARAKAYA							

### Prerequisites & Co-requisites

ECTS Requisite	120
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### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	1. Genel Meyvecilik (Kitap). Prof. Dr. Sabahattin Özbek. 1988. Çukurova Üniversitesi Ziraat Fakültesi Ders Kitabı No: 31, Adana.
2	2. Genel Meyvecilik (Kitap). Yrd. Doç. Dr. Resul Gerçekçiöğlu. 1997. Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Yayınları No: 17, Tokat.
3	3. Meyve Yetiştirme İlkeleri (Kitap). Prof. Dr. Arif Soylu. Uludağ Üniversitesi Ziraat Fakültesi, Ders notları: 20, 2003, Bursa.
4	4. Bahçe Bitkileri Yetiştirme Tekniği. Prof. Dr. Nurettin Kaşka, Prof. Dr. Muhsin Yılmaz. Çukurova Üniversitesi Ziraat Fakültesi Ders Kitabı No: 52, 1987, Adana.
5	5. Westwood, N.M., Temperate-Zone Pomology Physiology and Culture, Timber Pres, Portland, Oregon, 523p, 1991. Hartmann, T.H., Plant Propagation Principles and Practices Prentice Hall, New Jersey, USA, 770 p, 1997.

Week	Weekly Detailed Course Contents	
1	Theoretical	Status of nursery plant production in Turkey, nursery sector and general organization
2	Theoretical	Foundation and buildings required in nurseries
3	Theoretical	Regulations in nursery plant production
4	Theoretical	Importance and establishment of cutting and scion stocks
5	Theoretical	Seedlings rootstocks and their propagation methods
6	Theoretical	Storage and stratification of seeds
7	Theoretical	Seed sowing and methods
8	Intermediate Exam	Mid-term
9	Theoretical	Principles of nursery plant production via vegetative means
10	Theoretical	Methods in nursery plant production via cuttings
11	Theoretical	Fidan üretiminde kullanılan aşı yöntemleri
12	Theoretical	Principles of layering
13	Theoretical	Principles of propagation with root branches and suckers
14	Theoretical	Principles of nursery plant propagation with tissue culture
15	Theoretical	Clonal rootstocks and establishment of stocks
16	Final Exam	Final Exam



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Midterm Examination	1	20	2	22
Final Examination	1	20	2	22
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = <b>ECTS</b>				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	To able to interpret reasons of nursery plant production
2	To able to apply methods used and management in nursery plant production
3	To able to compare methods used in nursery plant production
4	
5	

**Programme Outcomes (Dairy Technology)**

1	Having sufficient infrastructure in basic sciences and engineering subjects and ability to use the theoretical and applied info instantly in this field.
2	Determining the modern techniques, tools and information technologies required for applications related with his field and ability to use them efficiently
3	Ability for planning, projecting, and designing, following up, analyzing and finding target-driven solutions related with his field
4	Ability to have professional ethic and awareness.
5	Ability to work, decide, express opinions orally and in written individually
6	Ability to participate team studies, taking responsibility, making leadership.
7	Ability to conceive Atatürk's principles and reforms, to communicate in Turkish and foreign language.
8	Ability to comprehend the necessity to learn for a life time, to monitor developments in science and technology and continuously renew himself.
9	Having sufficient level of information about production and quality control of milk and dairy products and also product development, increasing product quality and food security fields.
10	Ability to detect, define, solve problems related with his field and to select and apply suitable methods and modeling techniques for this purpose.
11	To be conscious about workplace applications, worker health, work security and environment subjects, to have knowledge about legal results of the engineering applications related with his subject.

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

	L1	L2	L3	L4	L5
P8	4	4	4	4	4

