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 *(Hours)*	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-requisities	
ECTS Requisite	120

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 Gerçekçioğlu. 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*] = **ECTS**	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 *(Agricultural Biotechnology)*	
1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

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

	L1	L2	L3	L4	L5
P1	1	1	1	1	1
P2	2	2	2	2	2
P3	1	1	2	2	2
P4	1	1	1	1	1
P5	2	2	2	2	2
P6	3	3	2	2	2
P7	2	2	2	2	3
P8	2	2	2	2	3