AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Seed Science in Horticulture						
Course Code		BB424		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 provide to students to teach of all technical information about quality and terminology of seed growing, to comprehend to position of seed growing in Turkey and the world, to arrive the qualitative character carried out seedling production in the base of species.
Course Content	Seed and seed growing concepts, seed structure and the examining of seed maturation steps, pollination and fertilization, seed quality criteria, seed production principles
Work Placement	N/A
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study
Name of Lecturer(s)	Prof. Engin ERTAN

Prerequisites & Co-requisites

ECTS Requisite	180

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Eser,B.,H.Saygılı,A.Gökçöl veE.İlker(Eds) 2005.(cilt1 ve 2). Tohum bilimi ve Teknolojisi ,Ege Üniversitesi Tohum Teknolojisi Araştırma ve uygulama merkezi yayın no.3İzmir.
2	Şehirali,S.1989.Tohumluk ve Teknolojisi.Ankara üniv.basım evi.Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	
	Practice	
2	Theoretical	
	Practice	
3	Theoretical	
	Practice	
4	Theoretical	
	Practice	
5	Theoretical	
	Practice	
6	Theoretical	
	Practice	
7	Theoretical	
	Practice	
8	Intermediate Exam	
9	Theoretical	
	Practice	
10	Theoretical	
	Practice	
11	Theoretical	
	Practice	
12	Theoretical	
13	Theoretical	

14	Theoretical	
15	Theoretical	
16	Final Exam	

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	1	42
Lecture - Practice	14	1	2	42
Midterm Examination	1	4	1	5
Final Examination	1	10	1	11
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	
2	
3	
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	2
P2	2	2	2	2	2
P3	3	3	2	2	2
P4	1	1	1	2	2
P5	1	3	2	2	2
P6	2	3	3	2	2
P7	3	3	3	2	2
P8	3	3	3	2	3