



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Plant Physiology							
Course Code		BB102		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		to educate the students who comprehend of important roles of basic physiological events on yield and quantity in horticulture plant growing. and, who lead and control of their knowledges about these events to carried out to growing horticulture plants							
Course Content		Cell, tissue, organ description. Water and mineral matter uptake and translocatiion. Transpiration, respiration, organik matter translocation. Growing and development physiology (phytochrome system, plant growth regulators, flowering, stress physiology).							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Taiz, L. and Zeiger, E., 2008. Bitki Fizyolojisi. Üçüncü baskıdan çeviri, Çev. Ed. Prof. Dr. İsmail Türkan, Palme yayıncılık, Ankara, 690s.
2	Avcıoğlu, R. ve Gürel, A., 2000. Bitki Fizyolojisi. E. Ü. Zir. Fak. Yay. Ders Notları, No: 64/1, 368s.
3	Vardar, Y., 1972. Bitki Fizyolojisi Dersleri (Bitkilerin Metabolik Olayları). Ege Üniv. Fen Fak. Kitaplar Serisi, No: 37, İzmir, 332s.
4	Kacar, B., Katkat, V. ve Öztürk, Ş., 2002. Bitki Fizyolojisi. Vipaş İnş. Tur. Eğt.A.Ş., Uludağ Ünivesitesi İ.İ.B.F., Bursa, 563s.
5	Ocakverdi, H. Ve Kaya, B. 2001. Bitki Fizyolojisi Laboratuvar Kitabı, Palme Yayıncılık, Ankara.
6	Dersin konusuyla ilgili dergiler ve internetteki web sayfaları da incelenerek tartışılacak.

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

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Midterm Examination	1	6	1	7



Final Examination	1	11	1	12
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	
2	
3	
4	
5	
6	
7	
8	

Programme Outcomes (Horticulture)

1	Ability to examine agricultural problems under the light of basic science, mathematics, and agriculture knowledge
2	Ability to plan and apply in different agricultural systems in horticultural crop plants
3	To constitute and realize breeding programmes according to market demands
4	Ability to propagate any kinds of stock materials in horticultural crop plants
5	Ability of transfer of modern technologies to production
6	Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop plants (To measure, evaluate, and manage different quality parameters)
7	To think analytically of protecting, providing transfer to future, and having responsibility to environment of all plant materials belong to horticultural crop plants area
8	Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural problems (Project, homework, thesis, summer training)
9	Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these subjects by verbal and written ways (Turkish, social course)
10	To be able to perform in a teamwork
11	Ability to work independently, give decision, and Express own thoughts by occupational-ethic values verbal and written ways in horticultural crop plants
12	Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, be a part of a related subjects in a web of communication, and to develop by social means

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	L7	L8
P1	5	4	5	5	4	4	5	5
P2	4	2	3	3	3	2	3	5
P3	3	2	2	3	2	2	3	5
P4	4	3	3	4	3	4	2	4
P5	5	3	3	4	2	3	2	4
P6	5	5	3	3	2	5	2	5
P7	5	3	3	4	2	3	4	4
P8	4	3	3	3	2	3	3	4
P9	4	3	2	3	2	3	3	3
P10	4	2	2	2	2	2	2	3
P11	4	2	2	2	2	2	2	3
P12	3	1	1	1	1	1	1	1

