



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Principles of Organic Agriculture							
Course Code		BB414		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To aim of this course is to gain to students to basic information and skills which will be able to develop of cycles and biodiversity of agro-ecosystem, to provide equal and healthy life conditions and to care to make decisions in all applications in organic farming.							
Course Content		Ecosystem definition, natural ecosystem characters, food chain, agricultural ecosystems characters and their comparison of natural ones, basic principles of organic farming, ecology, health, care, equality, providing biodiversity in organic managements. Management of environment, plant/ animal production balance, biodiversity in multiyear plantations, time and place planning in annual plant species, protection and developments of local cultivar and products, fair trade and social standards, examining of legal regulations about organic farming of applied commonly in the world							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Prof. Engin ERTAN							

### Prerequisites & Co-requisites

ECTS Requisite	150
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### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Çakmakçı, R. Ve Erdoğan, Ü., 2005. Organik Tarım. Atatürk Üniv. İspir Hamza Polat MYO Ders Yayınları No: 2
2	Zengin, M., 2007. Organik Tarım. Hasad Yayıncılık
3	Aksoy, U. ve Altındışli, A., 1996. Ekolojik (Organik, Biyolojik) Tarım. (Etörler: U. Aksoy, A. Altındışli). 114 p.
4	Lampkin, N., 2002. Organic Farming. Old Pond Publishing Ltd., ISBN:9781903366295. 752 p.
5	Lampkin, N., Measures, M. and Padel, S., 2007. Organic Farm Management Handbook. Universty of Wales, Organic Edvisory Service (EFRC). 230 p.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction: history of agriculture, nowadays practices
2	Theoretical	Progress in organic agriculture
3	Theoretical	Description of eco-system, comparison of natural and agro-ecosystems
4	Theoretical	Principles of organic agriculture 1: ecology
5	Theoretical	Principles of organic agriculture 2: health
6	Theoretical	Principles of organic agriculture 3: care
7	Theoretical	Principles of organic agriculture 4: equality
8	Intermediate Exam	Midterm exam
9	Theoretical	Group work: examining a sample organic farm according to the principles
10	Theoretical	Examining criteria of variability in organic farms and increasing techniques
11	Theoretical	Techniques which increase variability in farms
12	Theoretical	Social standards, local varieties and products
13	Theoretical	Righteous trade concept and its application to organic production trade
14	Theoretical	Examining of lawfull regulations related to organic agriculture according to the principles
15	Theoretical	Presentation of homework
16	Final Exam	Final exam



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	1	5	4	9
Term Project	1	10	1	11
Midterm Examination	1	7	1	8
Final Examination	1	15	1	16
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	2	2	2	2	1
P2	3	3	3	3	2
P3	3	3	3	3	2
P4	1	1	1	1	1
P5	2	3	3	3	2
P6	3	3	3	3	2
P7	3	3	3	2	2
P8	3	3	3	2	2

