



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Organic Growing of Industrial Crops							
Course Code		OT205		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Fiber plants, oil crops, starch and sugar crops and pleasure plants within the industrial plants; To teach the basic principles of ecological (organic) agriculture and plant characteristics.							
Course Content		Industry crops overview and taxonomy of plants, Sunflower, peanut, sesame, soybean, poppy and other oil crops, Tobacco, drugs and the importance of herbal plants, origin, distribution. Flax, hemp and cotton, yams, sweet potatoes, potatoes, sugar cane, and industrial crops such as sugar beet plant characteristics, Climate and soil requirements of these plants, fertilization, soil preparation and cultivation, quality and plant breeding methods.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Industrial Crops (Fiber Crop Growing Technique) Erol GÜNEL. 1993 Yüzüncü Yıl University
2	Industrial Crops and Breeding. Fethi İNCEKARA. 1979. Ege University. Faculty of Agriculture Publication

Week	Weekly Detailed Course Contents	
1	Theoretical	The origin of Industry crops plants, distribution, Production in the world and in Turkey, Taxonomy,
	Practice	literature search
2	Theoretical	Sunflower, peanut, sesame, soybean, poppy and other oil crops significance, origin and distribution.
	Practice	literature search
3	Theoretical	These plants, plant characteristics.
	Practice	literature search
4	Theoretical	Climate and soil requirements of these plants, fertilization, soil preparation and planting
	Practice	literature search
5	Theoretical	Quality and plant breeding methods.
	Practice	literature search
6	Theoretical	Tobacco, drugs and the importance of herbal plants, origin, distribution.
	Practice	literature search
7	Theoretical	Tobacco, drugs, and herbal plants, plant characteristics, reproductive biology, and improvement of farming techniques
	Practice	literature search
8	Preparation Work	Repetition of the topics covered in the exam preparation.
	Intermediate Exam	Mid-term exam.
9	Theoretical	Tobacco, drugs, and herbal plants, reproductive biology, cultivation and breeding techniques.
	Practice	literature search
10	Theoretical	Flax, hemp and cotton, fiber crops, and plant characteristics.
	Practice	literature search



11	Theoretical	Flax, hemp and cotton such as, fiber crops cultivation techniques.
	Practice	literature search
12	Theoretical	Flax, hemp and cotton such as fiber crops and methods of breeding threads.
	Practice	literature search
13	Theoretical	Place apple, sweet potato, potato, sugar cane, and sugar beet plant characteristics.
	Practice	literature search
14	Theoretical	Place apple, sweet potato, potato cultivation techniques and climatic requirements
	Practice	literature search
15	Theoretical	Sugar cane and sugar beet cultivation techniques and climatic requirements.
	Practice	literature search
16	Preparation Work	The repetition of all the issues, preparation for the exam.
	Final Exam	Final exam.

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Reading	17	0	1	17
Practice Examination	1	7	1	8
Midterm Examination	1	7	1	8
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	The origins of industrial plants, distribution, production in Turkey and the world will learn about the taxonomy.
2	Knows the plant characteristics of industrial plants, reproduction and organic growing techniques.
3	To be able to comprehend breeding topics and methods
4	Learns the principles of ecological cultivation of tobacco medicine and spice plants, cotton, flax, hemp fiber plants and sugar cane, sugar beet and other important industrial plants.
5	Have sufficient knowledge and use initiative to improve the yield and quality of industrial plants

### Programme Outcomes (Organic Agriculture)

1	To have university life, to use computer technology and to have skills for raising of scientific data
2	To produce according to organic agriculture rules
3	To know and apply starter to organic agriculture, and to get product certification
4	To know genetic for organic vegetable and animal species
5	To know and apply organic production principle and regulations and protection of environment
6	Understand and apply production techniques for organic vegetable and animal
7	To understand control methods for diseases and pests in organic agriculture
8	Having knowledge of quality control, preserving and marketing of organic products
9	To having knowledge equipments and methods for new agricultural technologies
10	To have knowledge of professional ethics and responsibility
11	Ability to work in team and individual
12	To communicate orally and in writing
13	To have adopt life-long learning importance and to have follow professional developments

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

	L1	L2	L3	L4
P1	4	4	4	5
P2		5	5	5
P3		5	5	5
P4		5	5	5
P5	4		4	4
P6	5	5		5



P7		5	5	5
P9		5		5
P10			4	4
P11	4			4
P12				4
P13	4	4		4

