



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Compost Production Techniques							
Course Code		MAN104		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	5	Workload	125 ( <i>Hours</i> )	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Identify the materials used in making compost, compost production is to learn by doing							
Course Content		Biological characteristics of mushrooms and physiology, the definition of compost and composting process, its objectives, the role of microorganisms in compost making, compost, biological and chemical aspects, the organic and inorganic materials used for making compost, composting operations, general principles, formulas and calculations of compost, compost production techniques, pasteurization and disinfection methods of pasteurization, and the resulting problems and solutions for making compost.							
Work Placement		Students must have to complete their internship within the required time and properties. The required rules are describes at the Adnan Menderes University, Sultanhisar Vocational School, Student Internship Instructions.							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, 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	Course notes of Lecturers
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Week	Weekly Detailed Course Contents	
1	Theoretical	Identification of construction materials into compost
2	Theoretical	Compost used in the preparation and properties of materials
3	Theoretical	Classification of construction materials into compost and compost preparation of the prescriptions
4	Theoretical	Compost may occur in the first stage of fermentation, biological and chemical development
5	Theoretical	The first stage of fermentation, and remedy the defects that may occur
6	Theoretical	The qualification requirements for a good compost has completed the first fermentation
7	Theoretical	Compost may occur in the second stage of fermentation, biological and chemical development
8	Intermediate Exam	Midterm
9	Theoretical	The second stage of fermentation, and remedy the defects that may occur
10	Theoretical	The qualification requirements for a good compost has completed the second fermentation
11	Theoretical	Comparison of composts have completed the first and second stage of fermentation
12	Theoretical	The organic materials used for Composting
13	Theoretical	The in-organic materials used for Composting
14	Theoretical	Pasteurization and disinfection methods for making compost
15	Theoretical	Problems and solutions in the construction and the resulting compost pasteurization
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Laboratory	8	7	0	56
Midterm Examination	1	10	1	11



Final Examination	1	15	1	16
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Identification and classification of construction materials into compost
2	Apply compost preparation techniques
3	3. To understand the issues to be considered in preparing compost
4	Ability to detect and remedy the deficiencies encountered in the construction of compost to apply
5	To understand the characteristics desired in a good compost
6	The importance of soil cover, and be able to comprehend the benefits of preparing a good soil cover

### Programme Outcomes (Fungiculture)

1	Having knowledge of morphology, anatomy, cytology, physiology and biochemical structures of mushroom
2	Having knowledge of soil and climate conditions for mushroom cultivation
3	Having knowledge of identification, classification and the use areas of mushroom species
4	Having knowledge of culture and production techniques of mushroom
5	Having knowledge of harvest and conservation of mushroom
6	Having ability to identify and to maintain important diseases and pests of mushroom species
7	Having ability and knowledge of marketing techniques of mushroom products, effectively.
8	Ability to project mushroom built.
9	Having knowledge of Laboratory techniques
10	Having knowledge of mushroom management

### 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
P1	5	5	5	5	5	5
P2	5	5	5	5	5	5
P3	4	4	4	4	4	4
P4	4	4	4	4	4	4
P9	3	3	3	3	3	3
P10	3	3	3	3	3	3

