



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Mycelium Production Techniques							
Course Code		MAN201		Coure Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	150 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To gain knowledge and skills related to mycelium production technique							
Course Content		Provides information aboutbiological characteristics of fungi, concepts of heterotallik and homotallik, properties of micellarlaboratories, sportsisolation, sports germination, the main cultura lpreparation, production and properties of hybridmicelles, solidand liqui dpreparation of agar, mycelial propagation,sterilization and hygiene concept and practices							
Work Placement		Students 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), Experiment, Demonstration					
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	Biological characteristics of mushroom
2	Theoretical	Concepts of heterotallik and homotallik
3	Theoretical	Properties of micellar laboratories
4	Theoretical	Properties of micellar laboratories
5	Theoretical	Sports production and germination of sport
6	Theoretical	Sports production and germination of sport
7	Theoretical	Preparation for the main culture
8	Intermediate Exam	Midterm
9	Theoretical	Preparation for the main culture
10	Theoretical	Synthesis and properties of hybrid micelles,
11	Theoretical	Preparation of liquid and solid growth medium
12	Theoretical	Reproduction in micellar
13	Theoretical	Reproduction in micellar
14	Theoretical	Sterilization
15	Theoretical	Hygiene
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	4	4	0	16
Term Project	14	1	0	14
Laboratory	6	6	0	36
Midterm Examination	1	11	1	12



Final Examination	1	15	1	16
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Knows the biological properties of mushroom
2	Knows concepts of heterotallik and homotallik
3	Knows the properties of micellium laboratories
4	Prepare solid and liquid media
5	Micellar makes replication

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	L5
P1	3	2		
P4			3	5
P9			5	

