



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Seedling Growing Techniques							
Course Code		FY215		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To gain skills and knowledge related to the seedling cultivation techniques.							
Course Content		Seedling definition, importance and objectives of seedling, the seedling growth media and buildings, the seedling growth techniques, the production of grafted vegetable seedlings, cultural treatments applied seedling cultivation							
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), 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	The definition of seedling, importance and benefits of the seedlings growing, the classification of the seedling production techniques,
2	Theoretical	Buildings and growth media used in seedlings cultivation
3	Theoretical	Generative production (seed structure, the required properties of seeds, seed production, seed storage)
4	Theoretical	Seed germination and the applications stimulating of the seed germination
5	Theoretical	Vegetative propagation (grafting, the grafting limits and successes)
6	Theoretical	Nurseries and types of graft
7	Theoretical	Production of grafting vegetable seedlings
8	Intermediate Exam	Midterm
9	Theoretical	Production of grafting vegetable seedlings
10	Theoretical	Definition with cutting production and purposes of cutting production, cutting types, factors affecting rooting in cuttings
11	Theoretical	Production with layering definition, importance and purpose of the types of layering
12	Theoretical	Specialized, or modified stem and roots production definition, importance and objectives, types of production with Specialized, or modified stem and roots
13	Theoretical	Specialized, or modified stem and roots production definition, importance and objectives, types of production with Specialized, or modified stem and roots
14	Theoretical	Types of production using Apomictic seed
15	Theoretical	In vitro culture, purposes, benefits, types
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	9	1	10



Final Examination	1	11	1	12
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Knows species and cultivar of vegetables produced by seedlings
2	Prepares growth media for seedlings
3	Knows seedling production techniques
4	having to ability to produce seedlings
5	Having ability to produce grafting seedlings

### Programme Outcomes (Seedling Production)

1	Having knowledge of physiology and morphology characteristics, growth, development and biochemical events occurred in fruits, vegetables and ornamentals plants
2	Having knowledge of soil, climate and irrigation conditions grown fruits, vegetables and ornamentals plants
3	Having knowledge of identification, classification and the use areas of fruits, vegetables and ornamentals plants
4	Having practical and theoretical knowledge of production techniques of fruits, vegetables and ornamentals plants
5	Having ability to identify and to maintain diseases and pests of fruits, vegetables and ornamentals plants
6	Having knowledge of marketing techniques, standards, contributions to the economy of fruits, vegetables and ornamentals plants, legal issues
7	Having knowledge of facilities and builds grown fruits, vegetables and ornamentals plants, and tools and materials used.
8	Having ability to use effective own language and having knowledge of language in order to communicate own colleagues and own customers,
9	Having knowledge of Atatürk Principle and Revolutions and, ability to assimilate Atatürk Principle and Revolutions
10	Having an enough foreign language to able to follow new development in relation with nursery production

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

	L1	L2	L3	L4	L5
P3	3				
P4	4	4	4	4	4

