



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Botanical							
Course Code		BKR107		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The purpose of General Botany lecture, students, vocational courses to provide a better understanding of the internal and external structures of plants to teach the main lines.							
Course Content		The smallest unit, the cell structure of plants, structure and functions of cells tissues, organs, tissues formed by the structure, tasks, and metamorphosis, internal and external structures of plants constitute the content of the course.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Prof. Özgür GÜÇLÜ							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Course notes of Lecturers
2	Presentations and Lecture Notes Compiled From Different Sources
3	Yrd. Doç.Dr. Tülay ÖRS Bitki Biyolojisi (2000) Ders Kitabı

Week	Weekly Detailed Course Contents	
1	Theoretical	The purpose of General Botany lecture, students, vocational courses to provide a better understanding of the internal and external structures of plants to teach the main lines.
2	Theoretical	The definition and classification of organic molecules.
3	Theoretical	Knowledge of cell entry. The cell structure and cell theory.
4	Theoretical	Plant and animal cells and cell separations in young and elderly
5	Theoretical	Basic metabolic activities in plant cells
6	Theoretical	Definition of plant tissues, meristematic and permanent tissues based on the separation.
7	Theoretical	Vegetative organs and the separation of the definition
8	Theoretical	Growth and changes in organs, the root task
9	Theoretical	Changes in stem function
10	Theoretical	Changes in leaf function
11	Theoretical	Flower - one of the reproductive organs- its function and methamorphosis
12	Theoretical	Pollination, fertilization and reproductive in plants
13	Theoretical	Structure of the buds and shoots
14	Theoretical	Classification of Fruit and seed the definition

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	1	2	0	2
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	Ability to comprehend the internal structure of plant cell viability and learning about the basic concepts
2	Ability to understand and comprehend the concept of plant cell fine structure of the cell
3	Ability to understand the concept of tissue and organ, and plant tissues and organs and functions recognition
4	Ability to learn about the concepts of reproduction and growth in plants
5	Diversity of plants, being able to explain basic information about the plants cryptogam and phanerogam
6	Learning the ecological characteristics of different plant species

**Programme Outcomes (Plant Protection)**

1	To be able to learn about systematics, morphological, biological, ecological and epidemiological information about diseases, pests and weeds that cause the loss of the crop at every stage of production,
2	To be able to become familiar with agricultural management control methods and their use in control of plant diseases, pests and weeds in cultivated agricultural crops,
3	To be able to diagnose and identify plant diseases, insect, mite or nematode pests or weeds that cause economical losses in stored crops and products,
4	To be able to use pesticides safely and effectively and informed about their hazardous non-target effects on the environment and human health.
5	To be able to learn plant protection products and their practice in organic agriculture,
6	To be able to evaluate the information obtained throughout the learning process with cause-effect relations, to be able to collect data and transfer the results to practice, and to predict where, when and why to use the information
7	To be able to comply with professional, cultural, social ethic rules in his / her field and to be entrepreneurial
8	To be able to have conscious of the universality of social rights, social justice, quality and cultural values, environment protection, occupational health and safety issues
9	To be able to use information and communication technologies together with the required computer software of his / her field
10	To be able to have the necessary background and qualifications to work in public and private agriculture sectors, to be able to conduct a study independently / as a team member and to be able to comply with the relevant legislation

**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	3	3	4	3	3	3
P2	3	3	2	3	3	4
P3	3	3	3	3	3	4
P4	3	3	2	3	3	2
P5	3	3	3	3	2	2
P6	5	2	2	2	2	2
P10	2	3	2	2	2	2

