



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Medicinal Plants and Areas of Use							
Course Code		TB109		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The importance of medicinal plants, classification, economy, and to gain knowledge about the uses of the plants used.							
Course Content		The importance of medicinal plants, classification, economy, plants used in traditional medicine practices and, phototherapy, herbal medicine preparation methods, perfumes, dyes, spices, herbal tea, and other uses of the plants and used plants.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Discussion					
Name of Lecturer(s)		Prof. Olcay ARABACI							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Ceylan, A., 1995. Tıbbi bitkiler I , EÜ Ziraat Fakültesi Yayınları, No: 312
2	Ceylan, A., 1996. Tıbbi Bitkiler II, EÜ Ziraat Fakültesi Yayınları, No: 481
3	Baydar, H., 2009. Tıbbi ve Aromatik Bitkiler Bilimi ve Teknolojisi, SDÜ Ziraat Fakültesi Yayın No: 51
4	Farklı Kaynaklardan Derlenmiş Sunumlar ve Ders Notları İnternet Kaynakları

Week	Weekly Detailed Course Contents	
1	Theoretical	The historical development of medicinal plants
2	Theoretical	The importance of medicinal plants and endemism
3	Theoretical	Classification of medicinal plants
4	Theoretical	Economic importance of medicinal plants
5	Theoretical	Folk medicine, herb and spice seller
6	Theoretical	Traditional medicine practices and plants used
7	Theoretical	Herbal medicines and phototherapy
8	Intermediate Exam	Midterm exam
9	Theoretical	Methods of preparing herbal medicine
10	Theoretical	Perfume and fragrance plants
11	Theoretical	Personal fragrance production
12	Theoretical	Natural dyes, dyeing and dye plants
13	Theoretical	Spices and spices plants
14	Theoretical	Herbal teas and herbal tea plants
15	Theoretical	Other uses of medicinal plants, practical mixtures can be prepared at home
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	21	2	23
Final Examination	1	22	2	24
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	Understand the importance of medicinal plants
2	Learn about traditional medicine practices,
3	Understanding of the principles of preparation and the importance of herbal medicines
4	Learning areas of general use of medicinal plants
5	Recognition of plants used for areas of use of medicinal plants

**Programme Outcomes (Agricultural Biotechnology)**

1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

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

	L1	L2	L3	L4	L5
P1	3	4	4	5	3
P2	4	3	3	4	5
P3	3	4	5	3	4
P4	4	5	4	3	4
P5	5	4	3	4	3
P6	5	3	3	5	4
P7	4	5	4	4	5
P8	3	3	3	3	4

