



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Acarology							
Course Code		ZBK533		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to inform students on identification features, life cycles, biology of mites (Acari)							
Course Content		information on systematic position, morphology and anatomy, life stages, habits and habitats of the Acari are given. Collection, storage and preparation of the Acari are taught.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion					
Name of Lecturer(s)		Prof. İbrahim ÇAKMAK							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Ecevit, O. 1981. Akarolojiye Giriş. Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi yayınları No:2, Samsun, 259 s.
2	Krantz, G.W. 1978. A Manual Acarology. Oregon State University, Corvallis, Oregon 509p.
3	Krantz, G.W., Walter, D.E. 2009. A Manual of Acarology, 3rd edn. Texas Tech University Press, Lubbock, TX.

Week	Weekly Detailed Course Contents	
1	Theoretical	General information about the course
2	Theoretical	Introduction to Acarology (Demonstration tools and devices used in Acarology)
3	Theoretical	Systematic position of the Acari (Introduced to Arachnida)
4	Theoretical	Morphology (Cuticle, body parts and segmentation)
5	Theoretical	Morphology (Legs and sensory structures)
6	Theoretical	Anatomy (Digestion, excretion and circulatory systems)
7	Theoretical	Anatomy (Muscle, respiratory, nervous, reproduction systems)
8	Theoretical	Midterm exam
9	Theoretical	Life stages (Embryonic and postembryonic development)
10	Theoretical	Habits and habitats (Shapes of copulation, egg laying and reproduction)
11	Theoretical	Habits and habitats (Feeding, habit and habitats)
12	Theoretical	Classification of Acari (Chaetotaxy in some order and family)
13	Theoretical	Systematics of Acari (Important identification characteristics separating families)
14	Theoretical	Collection and storage of Acari
15	Theoretical	Preparation of mite for examination
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	3	2	70
Midterm Examination	1	34	1	35
Final Examination	1	38	1	39
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	to be able to identify the mites basicly
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2	To know morphological and anatomical features of mites
3	to be able to recognize the important identification features of orders and families in the subclass Acari
4	to be able to recognize the biology and life cycles of mites
5	to be able to acquire information about collection, storage and preparation of Acari

Programme Outcomes (Plant Protection Master)

1	To develop knowledge and abilities that gained during undergraduate education
2	To gain ability to search and pursue current literature
3	To gain ability to plan and write projects that help solving problems in field of study.
4	To gain ability to conduct research, analyze data, evaluate research results scientifically and prepare reports and thesis writing.
5	Students will be able to learn and apply the laboratory test and analysis methods
6	To recognize occupational and ethical responsibility

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	4	3	3	3	3
P2	4	4	4	4	4
P3	3	3	3	3	3
P4	4	4	4	4	4
P5	4	4	4	4	4
P6	3	4	4	3	4

