



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		General Entomology							
Course Code		LBT118		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	102 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The aim of the course is to provide students the general knowledge about Insecta classes, their damage, benefit, morphology, anatomy and physiology. Graduates of the course have all-round knowledge about collecting insects and preparing collection under the international rules.							
Course Content		General knowledge about Insecta classes, their damage and benefit Morphology, anatomy, physiology, reproduction and developmental stage of them Ecology of the insect, methods and rules for the collecting insects and preparing collection from them							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, 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	Kansu, İ.A., 1994, Genel Entomoloji, Kıvanç Basımevi, Ankara, 426 s.
2	Öncüler, C., Genel Entomoloji. Öğrenci Ders Notu, Van 1987.
3	Lodos, N., 1983. Türkiye Entomolojisi I Genel, Uygulamalı ve Faunistik. Ege Üniversitesi Ziraat Fakültesi Yayınları No 282. 364 s.

Week	Weekly Detailed Course Contents	
1	Theoretical	Systematic of the insect and general characteristic information about major classes of Arthropoda
	Practice	Examination of general characteristic information about major classes of Arthropoda
	Preparation Work	Preparing material which about topic
2	Theoretical	Damage and benefit of insects
	Practice	Examination of benefit insects
	Preparation Work	Preparing material which about topic
3	Theoretical	External structures (morphology) of insects and structure of skin (exoskeleton)
	Practice	Examination of insects under stereo microscope
	Preparation Work	Preparing material which about topic
4	Theoretical	Head (caput, cephalo) and its extremities of insects
	Practice	Examination of insects head (caput, cephalo) and its extremities under stereo microscope
	Preparation Work	Preparing material which about topic
5	Theoretical	Thorax and its extremities of insects
	Practice	Examination of insects thorax and its extremities under stereo microscope
	Preparation Work	Preparing material which about topic
6	Theoretical	Abdomen and its extremities of insects
	Practice	Examination of insects abdomen and its extremities under stereo microscope
	Preparation Work	Preparing material which about topic
7	Theoretical	Internal structures (anatomy) and physiology of insects, muscle and digestion system of insects
	Practice	Photo and video monitoring of insects' muscular system and digestive system
	Preparation Work	Preparing material which about topic
8	Intermediate Exam	Mid-term Exam
9	Theoretical	Excretion, circulation and respiration systems of insects
	Practice	Photo and video monitoring of insects' excretion, circulation and respiration systems
	Preparation Work	Preparing material which about topic
10	Theoretical	Nervous and secretion systems of insects



10	Practice	Photo and video monitoring of insects' nervous and secretion systems
	Preparation Work	Preparing material which about topic
11	Theoretical	Sense organs and reproduction system of insects
	Practice	Photo and video monitoring of insects' Sense organs and reproduction system
	Preparation Work	Preparing material which about topic
12	Theoretical	Reproduction and development of insects
	Practice	Examination of insects eggs, larvae, nymphs
	Preparation Work	Preparing material which about topic
13	Theoretical	Insect ecology
	Practice	Photo and video monitoring of different insects species and lifes
	Preparation Work	Preparing material which about topic
14	Theoretical	Collecting insects and preparing collection
	Practice	Demonstration of insect needling methods
	Preparation Work	Preparing material which about topic
15	Theoretical	Control method of insects
	Practice	Examination of pesticide cans
	Preparation Work	Preparing material which about topic
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Individual Work	14	2	0	28
Midterm Examination	1	10	1	11
Final Examination	1	20	1	21
Total Workload (Hours)				102
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Recognize the insects
2	Aware about damage and benefit of the insect and divide them in to the groups according to that knowledge
3	Know morphology of insects and evaluate that information in the frame of pest control
4	Know anatomy and physiology of insects and evalate that information in the frame of pest control
5	Know collecting insects and preparing collection under the international rules

Programme Outcomes (Laboratory Technology)

1	To be able to comprehend social, cultural and social responsibilities, to be able to follow national and international contemporary problems and developments
2	Atatürk is bound to Atatürk nationalism in the direction of principles and reforms; Adopting the national, moral, spiritual and cultural values of the Turkish people, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; Have a love of language and a consciousness; To have the ability to use as much of a foreign language as he would need to read, taste and habit and professionally.
3	To be able to recognize the basic hardware units and operating systems of a computer, having information about internet usage and preparing documents, spreadsheets and presentations on computer by using office programs.
4	Acquires theoretical and practical knowledge at the basic level in mathematics, science and vocational field.
5	With the knowledge of laboratory technology in the field, he knows and analyzes problems, brings interpretation of data and suggests solutions.
6	In laboratories, according to the prepared business plan and program, necessary work can be done to obtain the desired quality products.
7	To have professional and ethical responsibility in business life.
8	Development and change are open, follow scientific social and cultural innovations, and develop themselves constantly.

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	3	3	3	3



P2	2	2	2	2	2
P3	1	1	1	1	1
P4	5	5	5	5	5
P5	3	3	3	3	3
P6	2	2	2	2	2
P7	3	3	3	3	3
P8	5	5	5	5	5

