



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Vector Biology							
Course Code		BYL323		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	77 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		To teach the biology of vector-borne diseases vectors							
Course Content		Disease vectors, Biological and mechanical vector, Vector-borne diseases, Vector-borne diseases, Biology of mosquitoes, sandflies, fleas, louses, housefly, cockroach and ticks, Breeding of mosquitoes, housefly and sandflies in laboratory							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Prof. Fatih Mehmet ŞİMŞEK, Res. Assist. Fatma BURSALI							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Özcel, A.M., Daldal, N., (1997). Arthropod hastalıkları ve vektörleri, Ege Üniversitesi Basımevi, ISBN 975-94646-0-8.
2	William, C.M., Jerome, E.F., Henry, H.H., Janet, H., Stephen, H., Antony, A.J., Boris, K., Chester, G.M., (2005). Biology of disiasi vectors, Elsevier Academic Press, ISBN 0-12-473276-3

Week	Weekly Detailed Course Contents	
1	Theoretical	Disease vectors
	Practice	Vector sampling equipments
2	Theoretical	Biological and mechanical vector
	Practice	Vector sampling equipments
3	Theoretical	Vector-borne diseases
	Practice	Vector breeding equipment
4	Theoretical	Sampling methods of vectors
	Practice	Vector breeding equipment
5	Theoretical	Blood feeding vectors
	Practice	Vector feeding in laboratory
6	Theoretical	Biology of mosquitoes
	Practice	Vector feeding in laboratory
7	Theoretical	Biology of sandflies
	Practice	Mosquito breeding
8	Theoretical	Biology of fleas
	Practice	Mosquito breeding
9	Theoretical	Biology of louse
	Practice	Mosquito breeding
10	Practice	Housefly breeding
11	Theoretical	Biology of cockroach
	Practice	Housefly breeding
12	Theoretical	Biology of ticks
	Practice	Housefly breeding
13	Theoretical	Breeding of vectors in laboratory
	Practice	Sandfly breeding
14	Theoretical	Vektörler için laboratuvar koşulları
	Practice	Sandfly breeding



15	Theoretical	Prevention from vector-borne diseases
	Practice	Sandfly breeding

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	0	3	45
Assignment	15	0	1	15
Reading	15	0	1	15
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				77
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Able to understand the concept of disease vectors
2	Able to learn the concept of biological and mechanical vector
3	Able to learn vector-borne diseases
4	Able to learn sampling methods of vectors
5	Able to learn biology of mosquitoes
6	Able to learn biology of sandflies
7	Able to learn biology of fleas
8	Able to learn biology of louse
9	Able to learn biology of house flies
10	Able to learn biology of cockroach
11	Able to learn biology of ticks
12	Able to achieve breeding of mosquito, house fly and sandfly in laboratory

Programme Outcomes (German Language and Literature)

1	Students will have advanced knowledge in the field of German Language and Literature in the field of German Language and Literature.
2	To be able to understand the concepts, ideas and data related to German Language and Literature through scientific methods in which he / she has learned and learned; It provides suggestions that can be proved by scientific evidence, evidence or evidence.
3	To inform the German audience about the issues related to German Language and Literature; expresses his / her own thoughts, problems / problems, solution suggestions and methods in written and verbal way.
4	Students will be able to produce scientific studies to be accepted by the experts in the field of Languages, Literatures and Cultures.
5	It carries out advanced studies independently with learning, learning skills and critical thinking.
6	Develops strategic management and implementation plans in the field of German Language and Literature and evaluates the obtained results within the framework of quality processes and uses the obtained data in interdisciplinary studies.
7	Plans and manages the activities and projects for the professional development of the people he works with in the sense of social responsibility.
8	Students will be able to follow and use the German Language and Literature knowledge and gain the competency with their colleagues.
9	It has the competence to observe social, scientific and ethical values ??in the stages of collecting, interpreting and announcing data about German Language and Literature.
10	Uses and develops information and communication technologies with the knowledge of computer software and hardware required by German Language and Literature.
11	She is able to translate from German to Turkish and from German to German so that she can speak an equivalent language and grammar.
12	Obtains the basic professional knowledge related to the learning area.

