
 Universitas Airlangga	SEMESTER LEARNING PLAN		Prepared by	Examined by	Approved by	Document Registration Number
	SLP		(Person in Charge)	(Head of Bachelor Program / Head of Department)	Vice Dean I	01/S1Kesmas/RPS/2019
	Revision - Date	January 1 st , 2019	Prof. Dr. Ririh Yudhastuti, Drh.MSc	Dr. Diah Indriani, S.Si., M.Si	Dr. Santi Martini, dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Even Semester	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year

A. DETAILS OF COURSE


1. Course Name	Vector and Rodent Control
2. Course Code	LKM309
3. Credits (SKS)	2 (two) SKS
4. Semester / Term	VI (sixth)
5. Study Program	Bachelor of Public Health
6. Student Learning Achievement	Have a mastery of public health science skills
7. Course Learning Achievement	At the end of the course, students will be able to determine the type of vector and rodent transmitting disease that will be controlled so as not to cause public health problems.
8. Course Outline	This course discusses the definitions of vectors and rodents, which include definitions of vector and rodent, parasitological aspects, environmental health and sociological aspects in the control of vectors and rodents.
9. Course Prerequisites (if any)	None
10. Instructor	Prof. Dr. Ririh Yudhastuti, Drh.MSc
11. Teaching Assistants	1. Kusuma S. Lestari, dr., M.KM. 2. M. Farid Dimjati Lusno, dr., M.KL. 3. Khuliyah C. Dinayah S.KM., M.KL

B. TEACHING PROGRAM

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Week	Skills expected at the end of each learning phase (Sub-Course Achievement) (C, A, P)	Study Materials	Teaching Methods	Additional Materials for Learning	Meeting Time	Course Objectives	Criteria and Indicator of Evaluation / Measurable Learning Outcome (<i>hard dan soft skills</i>)	Mark / Grade / Percentage (%)	Reference Number Ref. (nomor)
1	2	3	4	5	6	7	8	9	10
1	Students are able to determine the types of vector and rodent transmitting diseases in the community and their control.	Controlling scope of vector and rodent: a. Epidemiology of vector and rodent b. Definition of vector and rodent	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill		Book 1,4
2	Students are able to explain Bionomic vectors	Bionomic vectors: lifecycle breeding place/resting place, distribution	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill		Book 1
3	Students are able to explain bionomic rodent	Bionomic rodent: Life cycle of rodent	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill		Book 1,2,3
4	Students are able to explain vector-borne diseases	Vector borne diseases: mosquitos, flies, cockroaches, flees,	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill		Book 1,2,3

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1	2	3	4	5	6	7	8	9	10
		ticks, mites, lice and scabies							
5	Students are able to explain rodent-borne diseases	Rodent-borne diseases: Leptospirosis, pes, hantavirus, Rat bite fever, Rabies, Salmonella typhymurium	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill		Book 1,2,4
6	Students are able to explain epidemiology and distribution of vector-borne diseases	Epidemiology and distribution of vector diseases: Distribution of px due to vector based on location, group, and population	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill Creativity		Book 1,2
7	Students are able to explain epidemiology and distribution of rodent-borne diseases	Epidemiology and distribution of rodent-borne diseases: Distribution of px because of Rodent	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill Creativity		Book 4

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1	2	3	4	5	6	7	8	9	10
		based on location, group, population, time							
MID TERM EXAMINATION									
8	Students are able to explain indicators of measurement of vector-borne and rodent-borne diseases	Indicators for measuring vector-borne and rodent-borne diseases: HI, BI, CI, Maya Index, MBR, EIR	Lectures Discussions Assignments	LCD and Laptop	2x50 minutes		Communication skill Creativity Teamwork		Book 1,2
9	Students are able to explain the use of insecticides and rodenticides	Insecticides: Insecticides for larvae and adults as well as rodenticides	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill		Book 1,2,3,4
10	Students are able to explain the control of vector-borne and rodent-borne diseases in the community based on government regulations and by law	Control of vector and rodent-borne diseases in the community based on government regulations and by law: Regulations in	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill Creativity Teamwork		Book 4

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		Quarantine, boundaries, IHR							
11	Students are able to explain the control of vector and rodent-borne diseases based on environmental, climate and geographic geography aspects	Control based on topography and climate condition, season	Lectures Discussions	LCD and Laptop	2x50 minutes		Critical thinking Communication skill Teamwork		Book 1,3
12	Students are able to explain the planning of controlling vector and rodent-borne diseases in an area.	Paper for vector and rodent-borne disease control in an area. Making POACE for controlling vectors and rodents in an area	Lectures Discussions Assignments	LCD and Laptop	2x50 minutes		Critical thinking Communication skill Creativity		Book 1,2 3
FINAL TERM EXAMINATION									

C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS

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References:

1. Jan A. Rozendal .1997. Surveillance Vector Control Methods for use Individuals & Communities.WHO
2. Stanley M Lemman .2009. Vector Borne Diseases The National of academic Press.IOM Washington.DC. USA.
3. Robetson, J.L. 2007. Pesticide Bioassys with Arthropods. CRS> Press.
4. Yudhastuti.R. 2011. PengendalianVektor dan Rodent. Pustaka Melati. Surabaya.