
 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	Sho'im Hidayat., dr., M.S	
Faculty of Public Health	Valid on Semester / Academic Year	Even Semester	(sign)	(sign)	(sign)	

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A. DETAILS OF COURSE

1. Course Name	Biomedics II
2. Course Code	BIF114
3. Credits (SKS)	3 (Three) SKS
4. Semester	II (Second)
5. Study Program	Bachelor of Public Health
6. Student Learning Achievement	<ol style="list-style-type: none"> 1. Able to conduct analytical/assessment skills 2. Able to carry out policy development/planning skills program 3. Having communication skills 4. Having cultural competency skills 5. Able to carry out community empowerment 6. Mastering public health science skills 7. Having Financial Planning and Management Skills 8. Having leadership and system thinking skills 9. Able to apply public health principles in health management in the tropics
7. Course Learning Achievement	After participating in learning students are expected to be able to understand bacteria, parasites, viruses, and the mechanism of entry of pathogenic microorganisms in the body.
8. Course Outline	The lecture method is in the form of lectures, presentations, and assignments. The material in this lecture include: understanding of bacteria, parasites, viruses, the mechanism of entry of pathogenic microorganisms in the body, mycobacterium tuberculosis and leprae, intestinal protozoa and the role of arthropods in disease transmission, escherichia coli and Salmonella typhi, Corynebacterium diphtheriae, Yersinia pestis and Leptospira sp, rabies , Bacillus anthrax and Coccus bacterium, measles and polio, plasmodium sp. And Toxoplasma gondii, Helminthes, HIV and Hepatitis viruses, avian and swine influenza viruses.
9. Course Prerequisites (if any)	None
10. Instructor	Sho'im Hidayat., dr., M.S


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11. Teaching Assistants	1. Prof. Dr. Tri Martiana, dr.,M.S 2. Prof. Dr. Soedjajadi ,Ms.,Ph.D 3. Dr. Ririh Y, drh., M.S 4. Dr. Santi Martini, dr.,M.Kes
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B. TEACHING PROGRAM

Weeks	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 Indicators of Evaluation (hard and soft skills)	Grade (%)	Reference Number
1	2	3	4	5	6	7	8	9	10
1	Introduction to lectures	Introduction: understanding of bacteria, parasites, viruses The mechanism of entry of pathogenic microorganisms into the body	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
2	Students are able to explain the meaning of bacteria, parasites, viruses The mechanism of entry of pathogenic microorganisms into the body	Definition of bacteria, parasites, viruses The mechanism of entry of pathogenic microorganisms into the body	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		

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3	Students are able to explain mycobacterium tuberculosis and leprae	Mycobacterium tuberculosis and leprae	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
4	Students are able to explain intestinal protozoa and the role of arthropods in disease transmission	Intestinal protozoa and the role of arthropods in disease transmission	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
5	Students are able to explain the bacteria Escherichia coli and Salmonella typhi	bacteria Escherichia coli and Salmonella typhi	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and		

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1	2	3	4	5	6	7	8	9	10
							initiate the discussion.		
6	Students are able to explain Corynebacterium diphtheriae	Corynebacterium diphtheriae	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
7	Students are able to explain Yersinia pestis and Leptospira sp.	Yersinia pestis and Leptospira sp.	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
MID-SEMESTER EXAMINATION									
8	Students are able to explain Rabies	Rabies	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and		

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1	2	3	4	5	6	7	8	9	10
							appreciate the opinion. Be able to be involved and initiate the discussion.		
9	Students are able to explain Bacillus anthracis and Coccus bacterium	Bacillus anthracis and Coccus bacterium	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
10	Students are able to explain measles and polio	Measles and Polio	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		

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11	Students are able to explain Plasmodium sp. and Toxoplasma Gondii	Plasmodium sp. and Toxoplasma Gondii	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
12	Students are able to explain related Helminthes	Helminthes	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
13.	Students are able to explain the HIV and Hepatitis Viruses	HIV and Hepatitis Virus	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and		

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1	2	3	4	5	6	7	8	9	10
							initiate the discussion.		
14.	Students are able to explain Avian and Swine influenza virus	Avian and Swine influenza virus	1. Lectures 2. Discussions	LCD and Whiteboard	3x50 minutes		Be able to listen, ask, critically think, argue and appreciate the opinion. Be able to be involved and initiate the discussion.		
FINAL-SEMESTER EXAMINATION									

C. REQUIRED READINGS