
 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
	<b>Revision - Date</b>	<b>January 1<sup>st</sup>, 2019</b>	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	Dr. Diah Indriani, S.Si., M.Si	Dr. Santi Martini, dr., M.Kes	
<b>Faculty of Public Health</b>	<b>Valid on Semester (odd/even) / Academic Year</b>	<b>Odd Semester 2019/2020</b>	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year

## A. DETAILS OF COURSE


<b>1. Course Name</b>	Epidemiology of Communicable Disease
<b>2. Course Code</b>	KME302
<b>3. Credits (SKS)</b>	2 (two) SKS
<b>4. Semester / Term</b>	III (third)
<b>5. Study Program</b>	Bachelor of Public Health
<b>6. Student Learning Achievement</b>	At the end of the lesson, students will be able to understand the magnitude of the problem of infectious diseases that are still a major problem of public health in Indonesia, its distribution based on the pattern of the disease, the determinants and risk factors for their occurrence as well as the aspects of prevention and management.
<b>7. Course Learning Achievement</b>	<ol style="list-style-type: none"> <li>1. Students understand the problem of infectious disease</li> <li>2. Students understand the distribution of communicable disease in Epidemiological approach</li> <li>3. Students understand the determinants and risk factors for communicable diseases</li> <li>4. Students understand the aspects of preventing and managing infectious diseases</li> <li>5. Students understand the the basic pathogenic mechanisms of some selected infectious diseases</li> </ol>
<b>8. Course Description</b>	This lecture discusses the magnitude of the problem of infectious diseases, their distribution in the Epidemiological approach, as well as the determinants and risk factors for infectious diseases, as well as the aspects of preventing and managing infectious diseases. The focus of the discussion is on the control and prevention of infectious diseases and the basic pathogenic mechanisms of some selected infectious diseases that are still a major problem in public health. Lectures include laboratory sessions and class lectures.
<b>9. Course Prerequisites (if any)</b>	None
<b>10. Instructor</b>	Dr. Muhammad Atoillah Isfandiari dr., M.Kes
<b>11. Teaching Assistants</b>	

## B. TEACHING PROGRAM

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
1	Students can explain the epidemiological approach to managing Upper Respiratory Tract Infection (URI)	Measurement of the magnitude of the problem, identification of the distribution and determinants of URI and prevention efforts to overcome them 1. URI morbidity data 2. Patterns of URI 3. prevention and control of URI 4. Performance indicators in URI control	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4
2	Students can explain the epidemiological approach to managing diarrhea	Measurement of the magnitude of the problem,	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		identification of the distribution and determinants of diarrhea as well as prevention measures 1. Diarrhea morbidity data 2. Diarrheal disease patterns 3. prevention and control of diarrheal diseases 4. Performance indicators for diarrhea control							
3	Students can explain the epidemiological approach to tackling typhoid fever	Measurement of the magnitude of the problem,	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percent age (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		identification of the distribution and determinants of typhoid fever as well as efforts to prevent and overcome it 1. Typhoid fever morbidity data 2. The pattern of typhoid fever 3. prevention and control of typhoid fever 4. Performance indicators in controlling typhoid fever							

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
4	Students can explain the epidemiological approach to the prevention of leprosy	Measurement of problems, identification of leprosy distribution and prevention and management efforts 1. Leprosy morbidity data 2. Patterns of leprosy 3. prevention and control of leprosy 4. Performance indicators in leprosy control	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4
5	Students can explain the epidemiological approach to tackling tuberculosis	Measurement of the magnitude of the problem, identification of the distribution of	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percent age (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		tuberculosis and efforts to prevent and overcome it 1. Tuberculosis morbidity data 2. The pattern of tuberculosis 3. prevention and control of tuberculosis 4. Performance indicators in tuberculosis control							
6	Students can explain the epidemiological approach to hepatitis prevention	Measuring the magnitude of the problem, identifying the distribution and determinants of hepatitis as well as	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year


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 and soft skills</i> )	Mark / Grade / Percent age (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		prevention and remedies 1. Hepatitis morbidity data 2. Patterns of hepatitis 3. prevention and control of hepatitis 4. Performance indicators in controlling hepatitis							
7	Students can explain the Policies and Strategies for Controlling Disease Control	Socialization and brainstorming on Communicable Disease Control Policies and Strategies	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year


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 and soft skills</i> )	Mark / Grade / Percent age (%)	Reference Number  Ref. (number)
1	2	3	4	5	6	7	8	9	10
		1. Data and disease patterns of several important infectious diseases on a national and regional scale 2. Performance indicators in the prevention and control of infectious diseases							
<b>MID TERM EXAMINATION</b>									
8	Students can explain the epidemiological approach to controlling DHF	Measurement of the magnitude of the problem, identification of the distribution and determinants of	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4



 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 and soft skills</i> )	Mark / Grade / Percent age (%)	Reference Number  Ref. (number)
1	2	3	4	5	6	7	8	9	10
		DHF as well as efforts to prevent and overcome them 1. DHF morbidity data 2. Patterns of DHF disease 3. prevention and control of dengue disease 4. Performance indicators in controlling DHF							
9	Students can explain the epidemiological approach to malaria control	Measurement of the magnitude of the problem, identification of the distribution and determinants of Malaria and efforts	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 and soft skills</i> )	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		to prevent and overcome them  1. Malaria morbidity data 2. Malaria disease patterns 3. prevention and control of Malaria 4. Performance indicators in controlling Malaria							
10	Students can explain the epidemiological approach to tackling avian influenza	Measurement of the magnitude of the problem, identification of the distribution and various determinants of the	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		spread of avian influenza as well as efforts to prevent and overcome them 1. Avian influenza morbidity data 2. Patterns of avian influenza 3. prevention and control of avian influenza infections 4. Performance indicators in controlling avian influenza							
11	Students can explain the epidemiological approach to dealing with MersCoV	Measuring the magnitude of the problem, identifying the distribution and	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			<b>Revision - Date</b> <b>January 1<sup>st</sup>, 2019</b>	<b>Dr. Muhammad Atoillah Isfandiari dr., M.Kes</b>	<b>Dr. Diah Indriani, S.Si., M.Si</b>	
<b>Faculty of Public Health</b>	<b>Valid on Semester (odd/even) / Academic Year</b> <b>Odd Semester 2019/2020</b>		(sign)	(sign)	(sign)	


- Evaluation of this document is needed every year

<b>Week</b>	<b>Skills expected at the end of each learning phase (Sub-Course Achievement) (C, A, P)</b>	<b>Study Materials</b>	<b>Teaching Methods</b>	<b>Additional Materials for Learning</b>	<b>Meeting Time</b>	<b>Course Objectives</b>	<b>Criteria and Indicator of Evaluation / Measurable Learning Outcome (hard and soft skills)</b>	<b>Mark / Grade / Percentage (%)</b>	<b>Reference Number Ref. (number)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
		determinant of MersCoV and preventing and managing it 1. MersCoV morbidity data 2. Patterns of MersCoV disease 3. MersCoV disease prevention and control 4. Performance indicators in MersCoV control							
12	Students can explain the epidemiological approach to tackling HIV / AIDS infections	Measuring the magnitude of the problem, identifying the distribution and determinants of HIV / AIDS infections	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year


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 (hard and soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		and their prevention and mitigation efforts 1. HIV / AIDS infection morbidity data 2. Patterns of HIV / AIDS infection 3. prevention and control of HIV / AIDS infections 4. Performance indicators in controlling HIV / AIDS infection							
13.	Students can explain the epidemiological approach to dealing with sexually transmitted diseases (STD)	Measurement of the magnitude of the problem, identification of the distribution and	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Complex thinking		1, 2, 3, 4

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
			Revision - Date	January 1 <sup>st</sup> , 2019	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year

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 (hard and soft skills)	Mark / Grade / Percent age (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
		determinants of STD and their prevention and mitigation efforts 1. STD morbidity data 2. Patterns of STD disease 3. prevention and control of STD 4. Performance indicators in controlling STD							
FINAL TERM EXAMINATION									

### C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS

 <b>Universitas Airlangga</b>	<b>SEMESTER LEARNING PLAN</b>		<b>Prepared by</b>	<b>Examined by</b>	<b>Approved by</b>	<b>Document Registration Number</b>
	<b>SLP</b>		<b>(Person in Charge)</b>	<b>(Head of Bachelor Program / Head of Department)</b>	<b>Vice Dean I</b>	01/S1Kesmas/RPS/2019
	<b>Revision - Date</b>	<b>January 1<sup>st</sup>, 2019</b>	Dr. Muhammad Atoillah Isfandiari dr., M.Kes	Dr. Diah Indriani, S.Si., M.Si	Dr. Santi Martini, dr., M.Kes	
<b>Faculty of Public Health</b>	<b>Valid on Semester (odd/even) / Academic Year</b>	<b>Odd Semester 2019/2020</b>	(sign)	(sign)	(sign)	

- Evaluation of this document is needed every year

1. Chin, James, (2000), *Control of Communicable Diseases Manual*, 17th ed. American Public Health Association, Washington.
2. Hawker, J., Begg, N., Blair, I., Reintjes, R., Weinberg, J., (2009), *Communicable Disease Control Handbook*, 2<sup>nd</sup>, Blackwell Publishing, Oxford.
3. Cook, G.C., Zumla, A.I., (2003), *Manson's Tropical Disease*, 21th ed., W.B. Saunders, Philadelphia
4. Noah, N., O'Mahony, M., (2009), *Communicable Disease: Epidemiology and Control*, Wiley Publisher, London.