
 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 <sup>st</sup> , 2019	Kurnia Dwi Artanti,dr.,M.Sc	Dr. Diah Indriani, S.Si., M.Si	Dr. Santi Martini, dr., M.Kes	
Faculty of Public Health	Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)	

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## A. DETAILS OF COURSE


1. Course Name	Epidemiology of Vaccine Preventable Disease
2. Course Code	KME301
3. Credits (SKS)	3 (three) SKS
4. Semester / Term	VII (seventh)
5. Study Program	Bachelor of Public Health
6. Graduate Learning Outcomes	The general competence that students will achieve after completing this course are that students will be able to understand the epidemiology of preventable diseases with immunization and types of vaccinations, follow-up events after immunization and contraindications to vaccination. Students are also expected to be able to conduct analysis and evaluation of programs to control diseases that can be prevented by immunization
7. Course Learning Outcomes	Applying Public Health Sciences, including social and behavioral sciences, chronic diseases, infections, and accidents.
8. Course Description	Materials are delivered with face-to-face meetings and practices, discussing the existence of epidemiological principles in immunization-preventable diseases, such as the concept of immunology in immunization, national immunization program, immunization schedule, post-immunization event, and epidemiology of various immunization-preventable diseases such as tuberculosis, diphtheria, pertussis, tetanus, measles, poliomyelitis, hepatitis-B, mumps, rubella, and varicella. The learning activities are conducted in classrooms, laboratories, and on the ground. The dissemination of the material can be in the form of theory and practice. The academic process is carried out through lectures, discussions, field observations, practices, and seminars.
9. Course Prerequisites (if any)	None
10. Instructor	Kurnia Dwi Artanti,dr.,M.Sc
11. Teaching Assistants	Kurnia Dwi Artanti,dr.,M.Sc Prof. Dr. Chatarina U.W., MS., MPH Arief Hargono,dr.,M.Kes Dr. M. Atoillah ,dr.,M.Kes

## B. TEACHING PROGRAM

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1	2	3	4	5	6	7	8	9	10
1	Students are able to explain the Introduction to the Concept of Immunology	1. Immunization Primary Prevention Efforts 2. The concept of immunization immunology	1. Lectures 2. Discussionss	LCD, Whiteboard, and Laptop	2x50 minutes		1. Discipline 2. Communicati on		1,2
2	Students are able to explain mandatory vaccination for the Immunization Program in Indonesia: Epidemiology of Tuberculosis	1. Epidemiology of Tuberculosis 2. BCG vaccine 3. Adverse Events Following Immunization in BCG vaccine 4. Counter-indications of BCG vaccine	1. Lectures 2. Discussionss	LCD and Laptop	2x50 minutes		1. Discipline 2. Communicati on		1,2
3	Students are able to describe the epidemiology of Diphtheria, Tetanus, Pertussis	1. Epidemiology of Diphtheria, Tetanus, Pertussis 2. DPT vaccine	1. Lectures 2. Discussionss 3. Practical exercise 4. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communicati on		1,2

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<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>
		3. Adverse Events Following Immunization in DPT vaccine 4. Counter-indications of BCG vaccine							
4	Students are able to explain the epidemiology of Hepatitis B	1. Epidemiology of Hepatitis B 2. Hepatitis B vaccine 3. Adverse Events Following Immunization in Hepatitis B vaccine 4. Contra-indications of Hepatitis B vaccine	1. Lectures 2. Discussionss 3. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communicati on 3. Confidence 4. Teamwork		1,2
5	Students are able to explain the	1. Epidemiology of Poliomyelitis	1. Lectures 2. Discussionss	LCD and Laptop	2x50 minutes		1. Discipline		1,2

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<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>
	epidemiology of Poliomyelitis	2. Poliomyelitis vaccine 3. Adverse Events Following Immunization in Poliomyelitis vaccine 4. Counter-indications of Poliomyelitis vaccine	3. Presentations				2. Communication 3. Confidence 4. Teamwork		
6	Students are able to explain the epidemiology of measles	1. Epidemiology of Measles 2. Measles vaccine 3. Adverse Events Following Immunization in Measles vaccine 4. Counter-indications of measles vaccine	1. Lectures 2. Discussions 3. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communication 3. Confidence 4. Teamwork		1,2

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1	2	3	4	5	6	7	8	9	10
7	Students are able to describe several agents in diseases that are in accordance with the topic of epidemiology of immunization-preventable diseases	Practice: Identification of the types of bacteria associated with immunization-preventable diseases	Practicum	Microscope	2x50 minutes		1. Discipline 2. Communication 3. Confidence 4. Teamwork		1,2
<b>MID-SEMESTER EXAMINATION</b>									
8	Students are able to explain the National Immunization Program	1. National Immunization Program 2. Immunization Schedule 3. Cold chain	1. Lectures 2. Discussionss	LCD and Laptop	2x50 minutes		1. Discipline 2. Communication		1,2
9	Students are able to explain the Immunization Program Evaluation	Immunization Program Evaluation: a. RCA b. DQS c. EVM d. Supportive Supervision	1. Lectures 2. Discussionss 3. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communication 3. Confidence 4. Teamwork		1,2

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1	2	3	4	5	6	7	8	9	10
10	Students are able to explain compulsory vaccination for traveling: - Epidemiology of yellow fever - Epidemiology of meningococcus	1. Epidemiology of yellow fever and meningococci 2. Yellow fever and meningococcus vaccines 3. Adverse Events After Immunization of yellow fever and meningococcus vaccines 4. Counter-indications of yellow fever and meningococcus vaccines	1. Lectures 2. Discussionss 3. Practical exercises 4. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communicati on 3. Confidence 4. Teamwork		1,2

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1	2	3	4	5	6	7	8	9	10
11	Students are able to explain recommended vaccinations: - Epidemiology of Haemophyllus influenza type B - Epidemiology of Pneumococcus - Epidemiology of Influenza	1. Epidemiology of Haemophyllus influenza type B, Pneumococcus, and Influenza 2. Vaccines of Haemophyllus influenza type B, Pneumococcus, and Influenza 3. Adverse Events After Immunization of Haemophyllus influenza type B,	1. Lectures 2. Discussionss 3. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communication 3. Confidence 4. Teamwork		1,2

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1	2	3	4	5	6	7	8	9	10
		Pneumococcus, and Influenza vaccinations 4. Counter-indications of type B Haemophilus influenza, Pneumococcus, and Influenza vaccines							
12	Students are able to explain the epidemiology of Rotavirus, Typhoid	1. Epidemiology of Rotavirus, Typhoid 2. Vaccines of Rotavirus, typhoid 3. Adverse Events After	1. Lectures 2. Discussions 3. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communication 3. Confidence 4. Teamwork		1,2



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1	2	3	4	5	6	7	8	9	10
		Immunization of vaccines for Rotavirus, Typhoid 4. Counter-indications of Rotavirus, Typhoid vaccines							
13.	Students are able to explain the Epidemiology of MMR (Measles, Mumps, and Rubella) and Epidemiology of Hepatitis A	1. Epidemiology of MMR and Hepatitis A 2. Vaccines of MMR and Hepatitis A 3. Adverse Events After Immunization of vaccines for MMR and Hepatitis A 4. Counter-indications of	1. Lectures 2. Discussionss 3. Presentations	LCD and Laptop	2x50 minutes		1. Discipline 2. Communication 3. Confidence 4. Teamwork		1,2

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1	2	3	4	5	6	7	8	9	10
		vaccines for MMR and Hepatitis A							
14	Students are able to explain the Epidemiology of Varicella and Epidemiology of Human Papilloma Virus (HPV)	<ol style="list-style-type: none"> <li>1. Epidemiology of Varicella and HPV</li> <li>2. Vaccines of Varicella and HPV</li> <li>3. Adverse Events After Immunization of vaccines for Varicella and HPV</li> <li>4. Counter-indications of vaccines for Varicella and HPV</li> </ol>							
15.	Students are able to present the results of	Seminar on field observations	Presentations	LCD	2x50 minutes		1. Discipline		1,2

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1	2	3	4	5	6	7	8	9	10
	field observations on Immunization Implementation						2. Communication 3. Confidence 4. Teamwork		
FINAL EXAMINATION									

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

#### Required Readings :

1. IGN. Gde Ranuh, Hariyono Suyitno, Sri Rezeki S Hadinegoro, Cissy B Kartasmita, Ismoedijanto, Soedjatmiko; 2011. Pedoman Imunisasi di Imunisasi Edisi 4. Satgas Imunisasi-IDAI. Surabaya
2. Samsuridzal Djauzi, Iris Rengganis, Sukamto, Ardhi Rahman Ahani. 2012. Pedoman Imunisasi pada orang Dewasa Tahun 2012. Badan Penerbit Fakultas Kedokteran Universitas Airlangga