
 Universitas Airlangga	<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>	Lucia Yovita Hendrati, SKM.,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)	

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## A. IDENTITAS MATA KULIAH

<b>1. Course Name</b>	Outbreak and Disaster Management
<b>2. Course Code</b>	KME 419
<b>3. Credits (SKS)</b>	2 ((two) SKS
<b>4. Semester / Term</b>	V (fifth)
<b>5. Study Program</b>	Bachelor of Public Health
<b>6. Graduate Learning Outcomes</b>	Being able to formulate recommendations for resolving outbreaks and disasters based on data, information, and indicators of outbreaks and disasters
<b>7. Course Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1. Correctly defining the problem</li> <li>2. Identifying data precisely and relevantly as a source of information</li> </ol>
<b>8. Course Description</b>	<p>In this course, two things will be studied, namely disaster management and outbreak management. The topics for each group are as follows:</p> <ol style="list-style-type: none"> <li>1. Disaster management: <ol style="list-style-type: none"> <li>a) Definition of disaster</li> <li>b) Disaster preparedness</li> <li>c) Identification of community needs in disaster conditions through rapid health assessment</li> <li>d) Disaster mitigation</li> <li>e) Post-disaster surveillance</li> </ol> </li> <li>2. Outbreak Management: <ol style="list-style-type: none"> <li>a) Definition of Outbreak</li> <li>b) Investigation preparation</li> <li>c) Description of Outbreak</li> <li>d) Outbreak Mitigation</li> </ol> </li> </ol> <p>Early preparedness against outbreaks</p>
<b>9. Course Prerequisites (if any)</b>	Public Health Surveillance
<b>10. Instructor</b>	Lucia Yovita Hendrati, SKM.,M.Kes
<b>11. Teaching Assistants</b>	Lucia Yovita Hendrati, SKM.,M.Kes Bambang W.K, Drs. M Kes


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Dr. Setya Haksama, drg., M Kes Retno Adriani, ST., M Kes Farapti dr, M.Gizi Dr. Atik Choirul H., dr., M.Kes Dr. M. Zaenal Fattah, Drs., M.S, M.Kes Nurul Fitriyah, S.KM, M.PH
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## B. TEACHING PROGRAM

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 dan soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (nomor)
1	2	3	4	5	6	7	8	9	10
1	Students are able to explain the meaning of disaster management and outbreak management	1. Course Outline 2. Definition of disaster management 3. Definition of Outbreak Management	1. Lectures 2. Discussions	LCD, Whiteboard, and Laptop	2x50 minutes		1. Communication 2. Planning skill		4,5,9,10
2	Students are able to design disaster preparedness	1. Definition of Disaster 2. Community needs in disaster conditions:	1. Lectures 2. Discussions	LCD and Laptop	2x50 minutes		1. Communication 2. Planning skill		4,5,7

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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>
		definition, structure, and disaster preparedness 3. Rapid Health Needs Assessment case study							
3	Students are able to identify community needs in disaster conditions	1. Disaster mitigation: preparation of post-disaster health programs based on Rapid Health Need Assessment (case study) 2. Disaster mitigation: Post-	1. Lectures 2. Discussions	LCD and Laptop	2x50 minutes		1. Communication 2. Planning skill		5,7,8

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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>
		disaster surveillance							
4	Students are able to develop health programs for disaster mitigation	Management of health services in disaster mitigation	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		4,5
5	Students are able to develop environmental health programs for disaster mitigation	Management of disaster-caused environmental health problems in refugees	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		5,7
6	Students are able to develop nutritional programs for disaster mitigation	Management of disaster-caused nutrition and food problems in refugees	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		5,11,12
7	Students are able to explain infectious diseases in refugees	Mitigation of disaster-caused infectious diseases	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		5,7

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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>
		and management of refugees							
<b>MID-SEMESTER EXAMINATION</b>									
8	Students are able to explain post-disaster mental health activities	Management mental health problems in refugees	1. Lectures 2. Discussions 3. Practical exercises	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		5,7
9	Students are able to explain disaster-caused reproductive health problems in refugees	Management of disaster-caused reproductive health problems in refugees	1. Lectures 2. Discussions 3. Practical exercises	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		5,7
10	Students are able to convey the results of the case study discussion	Presentation Disaster case study	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		2,3,6
11	Students can explain the meaning of outbreak	1. Definition of Outbreak 2. Investigation of Outbreak: investigation	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		2,3,6

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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>
		preparation (case study) 3. Outbreak Investigation: description of outbreak (case study)							
12	Students are able to conduct outbreak investigation preparation and outbreak investigation	Outbreak Investigation: description of outbreak (case study)	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		2,3,6
13.	Students are able to formulate suggestions for outbreak management and outbreak surveillance	1. Outbreak mitigation: preparing recommendations for outbreak	1. Lectures 2. Discussions 3. Individual assignments	LCD and Laptop	2 x 50 minutes		1. Communication 2. Planning skill		2,3,6

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1	2	3	4	5	6	7	8	9	10
		mitigation (case study) 2. Outbreak surveillance							
FINAL EXAMINATION									

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

#### Readings:

1. Adam, J., 1999. *Managing Water Supply and Sanitation Emergencies*, Oxford Publication, Oxford, UK
2. Bres, P., 1986, *Public Health Action in Emergencies Caused by Epidemic*, WHO, Geneva
3. Budiningsih, N., 1992. Berbagai Aspek Metodologi Pada Penyelidikan Kejadian Luar Biasa (Suatu Kajian Berbagai Penyelidikan KLB di Indonesia), *Tesis*, Universitas Gadjah Mada, Yogyakarta
4. Bustan, M.N., 2000, *Epidemiology Keadaan Darurat*, Fakultas Kesehatan Masyarakat Universitas Hasanuddin, Makasar
5. Depkes RI, 2001, *Standar Minimal Penanggulangan Masalah Kesehatan Bencana dan Penanganan Pengungsi*, Jakarta
6. Morton, R., dan R. Hebel, 1986. *Bimbingan Studi tentang Epidemiologi dan Biostatistika*. Penerbit Djambatan, Jakarta
7. PAHO, 2006., *Bencana Alam: Perlindungan Masyarakat*, EGC, JakartaPan American Health Organization, 2000, *Natural Disasters: Protecting the Public's Health*, Washington
8. WHO, 1992, *Surveillance after disaster*, Geneva
9. BNPB, Geospasial , geospasial.bnpb.go.id (Sitasi 23 Agustus 2014)
10. ESCAP/APCICT, /unapcict/module-9-introduction-to-disaster-risk-management, Training of trainers workshop on ICT for Disaster Risk Management (Sitasi 23 Agustus 2014)
11. Kementerian kesehatan RI. 2012, *Kegiatan Gizi Dalam Penanggulangan Bencana*.

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12. USA, Introduction to environmental health and disasters food safety (keamanan pangan). Environmental Health Australia in partnership with the centers for disease control and prevention