
 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	Dr. Atik Choirul Hidajah, dr., M.Kes	Dr. Diah Indriani, S.Si., M.Si	Dr. Santi Martini, dr., M.Kes	
Valid on Semester (odd/even) / Academic Year	Odd Semester 2019/2020	(sign)	(sign)	(sign)		
Faculty of Public Health						

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A. DETAILS OF COURSE


1. Course Name	Screening in Public Health
2. Course Code	KME 414
3. Credits (SKS)	3 (three) SKS
4. Semester / Term	VII (seventh)
5. Study Program	Bachelor of Public Health
6. Graduate Learning Outcomes	After completing this course, students are expected to have the ability to design screening activities and analyze and present the results of the screening.
7. Course Learning Outcomes	Correctly defining the problem
8. Course Description	This course discusses the principles of screening, analyzes screening programs and the ability of screening tools, screening activities on health diseases/problems, physical and laboratory examinations for screening, and designing, implementing, and presenting the results of screening. 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 activities are carried out by lecture, discussion, Practice, and practice.
9. Course Prerequisites (if any)	Basic Epidemiology ; Epidemiology of Communicable Disease ; Epidemiology of Non Communicable Disease
10. Instructor	Dr. Atik Choirul Hidajah, dr., M.Kes
11. Teaching Assistants	Dr. Atik Choirul Hidajah, dr., M.Kes Priyono Satyabhakti, dr.,MS.,MPH Kurnia Dwi Artanti,dr.,M.Sc

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 (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 definition, types, purposes, and benefits of screening and analyze the ability of screening tools	Review of the screening concept: a. Definition b. Type c. Objectives and benefits d. Validity e. Reliability	1. Lectures 2. Discussions 3. Practice to access screening materials	Presentation materials, LCD, Worksheet, and Whiteboard	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking		2, 11, 22
2	Students are able to explain the application of screening for diseases/health problems	Application of screening for several health problems/diseases: a. Diabetes Mellitus Screening b. Screening for Hypertension and Vascular Diseases	1. Lectures 2. Discussions	Presentation materials, LCD, and Whiteboard	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking		1, 10, 12, 18, 19, 22 5, 15, 19, 20, 22
3	Students are able to explain the application of screening for diseases/health problems	Application of screening for several health problems/diseases:	1. Lectures 2. Discussions	Presentation materials, LCD, and Whiteboard	2 x 50 minutes		1. Discipline 2. Communication		7, 8, 13, 21, 22

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		a. Cancer Screening b. Anemia Screening					3. Critical thinking		4, 16, 22
4	Students are able to explain the application of screening for diseases/health problems	Application of screening for several health problems/diseases: a. Malaria Screening b. TB - HIV screening	1. Lectures 2. Discussions	Presentation materials, LCD, and Whiteboard	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking		6, 14, 22 3, 9,
5	Students are able to conduct physical and laboratory examinations for screening activities and providing interpretation of the results of the examinations being carried out	Physical and laboratory examination for screening: Pulse Check, TD, RR	Practicum	Laboratory equipments	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		23, 24, 25, 26
6	Students are able to conduct physical and laboratory examinations for screening activities and providing	Physical and laboratory examination for screening:	Practicum	Laboratory equipments	2 x 50 minutes		1. Discipline 2. Communication		23, 24, 25, 26

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	interpretation of the results of the examinations being carried out	a. Examination of blood smears b. Examination of hemoglobin levels					3. Critical thinking 4. Teamwork		
7	Students are able to conduct physical and laboratory examinations for screening activities and providing interpretation of the results of the examinations being carried out	Physical and laboratory examination for screening: Urine analysis	Practicum	Laboratory equipments	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		23, 24, 25, 26
MID-TERM EXAMINATION									
8	Students are able to analyze screening programs	Epidemiological Approach for Screening Program Evaluation: a. Study designs for the evaluation of screening programs	1. Lectures 2. Discussions	Presentation materials, LCD, and Whiteboard	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		11

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1	2	3	4	5	6	7	8	9	10
		b. Problems in assessing validity c. Interpretation of evaluation results							
9	Students are able to design and conduct screening projects	1. The concept of association between variables of health problems 2. Association Types	1. Lectures 2. Discussions 3. Practices	LCD, Laptop, Worksheet, and Whiteboard	2 x 50 minutes		1. Logical thinking 2. Critical thinking 3. Accuracy		Book 3 Book 5 Book 8
10	Students are able to design and conduct screening projects	Screening project: Compiling a proposal	Practicum	LCD and Laptop	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		2, 11, 22

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11	Students are able to design and conduct screening projects	Screening project: Conducting screening	Practicum	LCD and Laptop	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		2, 11, 22
12	Students can explain experimental research	Screening project: Writing a report	Practicum	LCD and Laptop	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		2, 11, 22
13.	Students are able to design presentation on the results of the screening project	Presentation Seminar	Presentations	Presentation materials, LCD, and Whiteboard	2 x 50 minutes		1. Discipline 2. Communication 3. Critical thinking 4. Teamwork		Book 3 Book 5 Book 8
FINAL EXAMINATION									


C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS

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Required Readings :

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2. Bonita, R., Beaglehole, R., Kjellström, T., 2006. *Basic Epidemiology 2nd Edition*, WHO, Geneva
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5. Celermajer, D.S., Chow, C.K., Marijon, E., Anstey, N.M., Woo, K.S., 2012. Cardiovascular Disease in the Developing World Prevalences, Patterns, and the Potential of Early Disease Detection, *Journal of the American College of Cardiology*, Vol. 60, No. 14, ISSN 0735-1097/\$36.00 Published by Elsevier Inc. <http://dx.doi.org/10.1016/j.jacc.2012.03.074>
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12. Heron, C. A., 1979. Screening in Diabetes Mellitus: Report of the Atlanta Workshop, *Diabetes Care*, Vol 2, No. 4, July-August, pp: 357-62
13. Lauby-Secretan, B., Scoccianti, C., Loomis, D., Benbrahim-Tallaa, L., Bouvard, V., Bianchini, F., Straif, K., 2015. Breast-Cancer Screening — Viewpoint of the IARC Working Group, *N Engl J Med*, 372, 24, nejm.org
14. Lee SH, Kara UAK, Koay E, Lee MAC, Lam Sd, Teo, D., 2002. New Strategies for the Diagnosis and Screening of Malaria, *International Journal of Hematology*, 76, Supplement I, pp: 291-3
15. Lip, G.Y.H., Barnet, A.H., Bradbury, A., Cappuccio, F.P., Gill, P.S., Hughes, E., Imray, C., Jolly, K., Patel, K., 2007. A Ethnicity and cardiovascular disease prevention in the United Kingdom: a practical approach to management, *Journal of Human Hypertension*, 21, pp: 183–211, Nature Publishing Group All rights reserved 0950-9240/07, www.nature.com/jhh
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24. Atlas Hematologi
25. Ganong (1985). Ilmu Faal (terjemahan), EGC.
26. Guyton. (1985). Fisiologi Kedokteran (terjemahan), EGC