
 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
			Prof Kuntoro, dr, MPH, Dr.PH	Dr. Diah Indriani, S.Si., M.Si	Dr. Santi Martini, dr., M.Kes	
Faculty of Public Health	Revision - Date	January 1 st , 2019	(sign)	(sign)	(sign)	
	Valid on Semester (odd/even) / Academic Year	Even Semester				

- Evaluation of this document is needed every year

A. DETAILS OF COURSE


1. Course Name	Health Research Design
2. Course Code	PNM406
3. Credits (SKS)	2 (two) SKS
4. Semester / Term	VI (sixth)
5. Study Program	Bachelor of Public Health
6. Student Learning Achievement	After actively attending lectures in the teaching and learning process, students are expected to be able to choose and use health research designs correctly
7. Course Learning Achievement	Explain observational research designs
8. Course Description	Health Research Design Subjects discusses 1) Observational research design with cross-sectional technique, 2) Observational research design with case control technique 3) Observational research design with cohort technique 4) Experimental-pre-experimental research design 5) Experimental research design - Quasi experiment 6) Design of experimental research - Purely experimental 7) Design of experimental research - Design of experimental statistics
9. Course Prerequisites (if any)	None
10. Instructor	Prof Kuntoro, dr, MPH, Dr.PH
11. Teaching Assistants	Dr. Soenarnatalina M., Ir., M.Kes Dr. Hari Basuki N., dr., M.Kes Dr. Mahmudah, Ir., M.Kes

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 and soft skills)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
1	Explain observational research designs	Learning contract and Introduction to Health Research Design	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
2	Explain observational research designs	Observational research design with cross-sectional technique	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
3	Explain observational research designs	Observational research design with cross-sectional technique	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3

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1	2	3	4	5	6	7	8	9	10
4	Explain observational research designs	Observational research design with Case-control technique	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
5	Explain observational research designs	Observational research design with Case-control technique	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
6	Explain observational research designs	Observational research design with Cohort technique	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3

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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 (<i>hard and soft skills</i>)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
7	Explain observational research designs	Research design of Experimental - pre experiment	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
MID TERM EXAMINATION									
8	Explain observational research designs	Research design of experimental – quasi experiment	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
9	Explain observational research designs	Research design of experimental – true experiment	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3

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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 (<i>hard and soft skills</i>)	Mark / Grade / Percentage (%)	Reference Number Ref. (number)
1	2	3	4	5	6	7	8	9	10
10	Explain observational research designs	Research design of experimental - design	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
11	Explain observational research designs	Research design of experimental - design	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3
12	Explain observational research designs	Propensity score statistics	Public lectures, assignments, presentations and discussions (plenary)	LCD, Whiteboard, laptop	2x50 minutes		Analytical skills, critical thinking		1, 2, 3

FINAL TERM EXAMINATION

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C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS

1. Scheaffer, R.L., Mandenhall, W., Lyman OTT. 1986. Elementary Survey Sampling (Third Edition). Duxbury Press, Boston
2. Lemeshow, St., Hosmer, D.W., Klar, J. 1997. Besar Sampel Dalam Penelitian Kesehatan (Terjemahan). Gadjah Mada University Press Yogyakarta
3. Kuntoro. 2008. Metode Sampling Dan Penentuan Besar Sampel. Pusaka Melati Surabaya