	SEMESTER LEARNING PLAN		Prepared by	Examined by	Approved by	Document Registration Number
Universitas Airlangga	**SLP**		**(Person in Charge)**	**(Head of Bachelor Program / Head of Department)**	**Vice Dean I**	01/S1Kesmas/RPS/2019
	Revision - Date	**January 1st, 2019**	Yuly Sulistyorini, SKM., M.Kes	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**	Measurement Technique in Fertility, Family Planning and Mortality
2.	**Course Code**	KMD310
3.	**Credits (SKS)**	2 (two) SKS
4.	**Semester / Term**	VII (seventh)
5.	**Study Program**	Bachelor of Public Health
6.	**Student Learning Achievement**	At the end of the course, students are expected to be able to calculate and analyze fertility, family planning and mortality measurements.
7.	**Course Learning Achievement**	1. Students can explain the introduction to measurement of fertility, birth control and totality 2. Students are able to explain and measure fertility 3. Students are able to explain and make life tables 4. Students are able to explain and measure mortality 5. Students are able to explain and make population projections 6. Students are able to explain and use population and welfare indicators 7. Students are able to explain and take measurements of marriage and divorce (nuptiality)
8.	**Course Description**	This course discusses 1) Introduction to Fertility Measurement Techniques, family planning and Mortality, 2) Population data sources, 3) Basic Population Measures, 4) Fertility Measures, 5) Life Tables, 6) Mortality Measures, 7) Family planning Measures, 8) Population Projection, 9) Population and Welfare Indicators, 10) Marriage and Divorce Size (Nuptiality)
9.	**Course Prerequisites (if any)**	None
10.	**Instructor**	Yuly Sulistyorini, SKM., M.Kes
11.	**Teaching Assistants**	Nunik Puspitasari, S.KM., M.Kes Dr. Lutfi Agus Salim, S.KM., M.Si

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	Explain an introduction to fertility measurements, family planning and mortality	1. Basic concepts of fertility and mortality measurement 2. The basic concept of KB measurement 3. The purpose of measuring fertility and mortality 4. The purpose of KB measurement 5. Problems with fertility measurement 6. Problems with KB measurement	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7

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1	2	3	4	5	6	7	8	9	10
		7. Problems with measuring mortality							
2	Explain various sources of population data	1. Definition of population data sources 2. Definition of census, survey and population registration 3. Census, survey and registration differences 4. Weaknesses and advantages of censuses, surveys and registration 5. 5. Census, survey and	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5, 6,7

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1	2	3	4	5	6	7	8	9	10
		population registration in Indonesia							
3	Explain the basic population size	Definition of basic population size: 1. Definition of basic population size 2. Differences in absolute and relative size 3. 3. Kinds of population sizes: rate, ratio, proportion	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7
4	Explain and measure fertility	1. Definition of fertility measures 2. The purpose of measurement	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7

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1	2	3	4	5	6	7	8	9	10
		3. Problems with fertility measurement 4. Kinds of fertility measurement approaches 5. Differences in fertility measurement approaches 6. Measurement of annual and cumulative fertility 7. 7. Standardization of fertility measurements							

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1	2	3	4	5	6	7	8	9	10
5	Able to explain and make life tables	1. Definition of life tables 2. Life tables function 3. Kinds of life tables: Life tables are simple and full 4. Strengths and weaknesses 5. Making life tables	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7
6	Able to explain and make life tables	1. Definition of life tables 2. Life tables function 3. Kinds of life tables: Life tables are simple and full	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7

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1	2	3	4	5	6	7	8	9	10
		4. Strengths and weaknesses 5. Making life tables							
7	Able to explain and measure mortality	1. Definition of mortality measurement 2. Kinds of mortality measures 3. Problems with mortality measurement 4. Standardize the size of mortality	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7
				MID TERM EXAMINATION					
8	Able to explain and measure mortality	1. Definition of mortality measurement	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7

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1	2	3	4	5	6	7	8	9	10
		2. Kinds of mortality measures 3. Problems with mortality measurement 4. Standardize the size of mortality							
9	Able to explain and do family planning measurements	1. Definition of family planning (KB) Measurement 2. Types of KB measurements: a. CPR measurement, active KB acceptors, new KB acceptors,	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7

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1	2	3	4	5	6	7	8	9	10
		unmet need KB 3. Measuring KB and its interpretation							
10	Able to explain and make population projections	1. Definition of population projections 2. The purpose of population projection 3. Population projection method: 4. Mathematical methods and components 5. Kinds of mathematical methods	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5, 6,7

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1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
		6. Differences in mathematical methods and components							
11	Able to explain and use population and welfare indicators	1. Definition of population indicators 2. Measurement of welfare level with various indicators (BPS, BKKBN, UNDP) 3. Kind of welfare indicators 4. Measurement of welfare level using HDI	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Discipline, communication, confidence, cooperation		Book 1,2,3,4,5,6,7

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1	2	3	4	5	6	7	8	9	10
12	Able to explain and take measurements of marriage and divorce (nuptiality)	1. Definition of nuptiality measures 2. Kinds of nuptiality measure 3. Problems in measuring nuptiality	Lectures Discussions	LCD and Whiteboard	2x50 minutes		Able to listen, ask questions, think critically, take initiative, discuss, hold opinions & respect the opinions of others		Book 1,2,3,4,5,6,7
			FINAL TERM EXAMINATION						

C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS

Referensi :

1. **Barclay GW, 1990. Teknik Analisa Kependudukan. LP3ES. Jakarta.**
2. **Ida Bagus Mantra, 2003. Demografi Umum. Pustaka Pelajar, Yogyakarta.**
3. **Siegel, Jacob S and David A. Swanson. 2004. The Method and Material of Demography. Second Edition. Elsevier Academic Press, USA.**

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4. **LDUI, 2004. Dasar-Dasar Kependudukan. LDUI dan Lembaga Penerbit FEUI.**
5. **Palmore JA and Gardner RW, 1983. Measuring Mortality, Fertility, and Natural Increase. The East-West Cen-ter. Honolulu, USA.**
6. **Smith, David P., 1992. Formal Demography. Plenum Press, New York.**
7. **World Health Organisation (WHO), 2006. Reproductive Health Indicators, Guidelines for Their Generation, Interpretation and Analysis for Global Monitoring. World Health Organisation (WHO).**