



**Universitas Negeri Surabaya**  
**Faculty of Social and Legal Sciences**  
**Geography Education Undergraduate Study Program**

Document Code

**SEMESTER LEARNING PLAN**

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Demography and Population Geography	8720202021	Compulsory Curriculum Subjects - National	T=2	P=0	ECTS=3.18	2	July 17, 2024
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator	
	Dra. Ita Mardiani Zain, M.Kes.		Dr. Rindawati, M.S.			Dr. Nugroho Hari Purnomo, S.P., M.Si.	

Learning model	Case Studies
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Program Learning Outcomes (PLO)	<b>PLO study program that is charged to the course</b>												
	PLO-8	Able to obtain, process, analyze, present geosphere data and information using geospatial technology in integrated geographic studies with in-depth urban studies that support regional sustainability											
	<b>Program Objectives (PO)</b>												
	PO - 1	Able to process, analyze, present geosphere data and information using geospatial technology for geographic learning and research											
	PO - 2	Able to make the right decisions in the context of solving problems in the field of geography and geography education, based on the results of information and data analysis											
	PO - 3	Able to apply logical, critical, systematic and innovative thinking in the field of geography and geography education											
	PO - 4	Able to apply regional theory for sustainable regional planning and development											
	PO - 5	Able to demonstrate a responsible attitude towards work in their field of expertise independently											
	<b>PLO-PO Matrix</b>												
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P.O	PLO-8												
PO-1													
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<b>PO Matrix at the end of each learning stage (Sub-PO)</b>																																																																																																																							
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th rowspan="2">P.O</th> <th colspan="16">Week</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th> </tr> <tr> <td>PO-1</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-2</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-3</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-4</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-5</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PO-1																	PO-2																	PO-3																	PO-4																	PO-5																
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Short Course Description	Conduct studies and provide an understanding of the concept and scope of population geography, benefits, population theories, population structure and processes in a region as well as sources of data on population composition and growth, mortality and death tables, fertility, migration, population problems and problem solving, and population policy. Learning is carried out for one semester using a problem based learning approach with demonstration, discussion, practicum and individual and group assignment methods. Assessment is carried out through written, performance and portfolio tests.
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References	Main :
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1. Barclay, George W, 1994, Teknik Analisis Kependudukan, Jakarta, Bina Aksara
2. David M. Heer, 1985, Masalah Kependudukan di Negara Berkembang, Jakarta, Bina Aksara
3. Dwiyanto, Agus dkk, 1996, Penduduk dan Pembangunan, Pusat Penelitian Kependudukan, UGM
4. Haris Abdul, Nyoman Andika, 2002, Dinamika Kependudukan dan Pembangunan di Indonesia dari Perspektif Makro ke Realitas Mikro, Yogyakarta, LESFI
5. Lembaga Demografi Fakultas Ekonomi Universitas Indonesia, 2004, Dasar-Dasar Demografi, Jakarta, FEUI
6. Mantra, Ida Bagus, 2001, Demografi Umum, Yogyakarta, Pustaka Pelajar
7. Schryock, Henry, 1979, The Methods and Materials of Demography, London : Academic Press INC
8. <http://www.datastatistik-indonesia.com> untuk memperoleh data Sensus Penduduk
9. Valentine, E. b, 2014, Approaches to Human Geography, SAGE Publications Ltd

**Supporters:**

1. Demografi dan Geografi Penduduk.2019. Ita Mardiani Zain

**Supporting lecturer**  
 Dra. Ita Mardiani Zain, M.Kes.  
 Dr. Sri Murtini, M.Si.  
 Dr. Fahmi Fahrudin Fadirubun, M.Pd

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [ Estimated time]		Learning materials [ References ]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline ( offline )	Online ( online )		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Students are able to describe the concept, scope and benefits of studying Demography	- Explain the concept of Demography - Explain the scope of Demography - Benefits	<b>Criteria:</b> Assessment sheet 1 is used to assess students' mastery of knowledge about the concept and scope of demography, benefits, population theories, structure and population processes of a region as well as data sources and basic demographic measures.  <b>Form of Assessment</b> : Participatory Activities	- Pulpit lecture - Question and answer - Discussion 2 X 50	-	<b>Material:</b> demography <b>Bibliography:</b> Mantra, Ida Bagus, 2001, General Demography, Yogyakarta, Student Library	5%
2	Students are able to explain population theories	- Explain population theories	<b>Criteria:</b> Assessment sheet 1 is used to assess students' mastery of knowledge about the concept and scope of demography, benefits, population theories, structure and population processes of a region as well as data sources and basic demographic measures.  <b>Form of Assessment</b> : Project Results Assessment / Product Assessment	- Pulpit lecture - Questions and Answers - Discussion 2 X 50	-	<b>Material:</b> population theory <b>Bibliography:</b> Institute of Demography, Faculty of Economics, University of Indonesia, 2004, Basics of Demography, Jakarta, FEUI	5%
3	Students are able to explain basic demographic measures and sources of population data	- Explain basic demographic measures - Explain the source of population data	<b>Criteria:</b> Assessment sheet 1 is used to assess students' mastery of knowledge about the concept and scope of demography, benefits, population theories, structure and population processes of a region as well as data sources and basic demographic measures.  <b>Form of Assessment</b> : Project Results Assessment / Product Assessment	- Pulpit lecture - Demonstration - Discussion 2 X 50	-	<b>Material:</b> population data size <b>Reference:</b> David M. Heer, 1985, Population Problems in Developing Countries, Jakarta, Bina Literacy	5%

4	Students explain the concept of mortality in demography with various types of mortality rates and factors that cause mortality and apply it to real data	- Explaining the concept of mortality - Calculating basic measures of mortality - Explaining factors causing death - Calculating standardized mortality data	<b>Criteria:</b> Assessment sheet 1 is used to assess students' mastery of knowledge about the concept and scope of demography, benefits, population theories, structure and population processes of a region as well as data sources and basic demographic measures.  <b>Form of Assessment</b> : Assessment of Project Results / Product Assessment, Practices / Performance	- Pulpit lecture - - Demonstration - - Assignment - - Discussion 2 X 50	-	<b>Material:</b> mortality <b>Library:</b> <a href="http://www.datastatistik-indonesia.com/">http://www.datastatistik-indonesia.com/...</a> to obtain Population Census data  <b>Material:</b> mortality <b>References:</b> Barclay, George W, 1994, <i>Population Analysis Techniques</i> , Jakarta, Bina Aksara	5%
5	Students are able to explain the concept of fertility in demography with various types of death rates and factors causing fertility, and apply it to real data	- Explain the concept of fertility - Explain the factors that cause fertility - Calculate basic measures of fertility	<b>Criteria:</b> The assessment contained in Assessment Sheet 3 is carried out during the Final Semester Examination (UAS) to assess students' mastery of knowledge about mortality tables, fertility, migration and population problems.  <b>Form of Assessment</b> : Project Results Assessment / Product Assessment, Portfolio Assessment	- Pulpit lecture - - Demonstration - - Assignment - - Discussion 2 X 50	-	<b>Material:</b> fertility <b>Library:</b> <a href="http://www.datastatistik-indonesia.com/">http://www.datastatistik-indonesia.com/...</a> to obtain Population Census data  <b>Material:</b> fertility <b>References:</b> Barclay, George W, 1994, <i>Population Analysis Techniques</i> , Jakarta, Bina Literacy	10%
6	Students are able to explain population migration, including scope, data sources, push and pull factors for migration and analysis of demographic data, and apply it to real data	- Explain the concept of migration - Explain the push and pull factors of migration - Calculate the basic size of migration	<b>Criteria:</b> The assessment contained in Assessment Sheet 3 is carried out during the Final Semester Examination (UAS) to assess students' mastery of knowledge about mortality tables, fertility, migration and population problems.  <b>Form of Assessment</b> : Project Results Assessment / Product Assessment	- Pulpit lectures - - Assignments - 2 X 50 discussions	-	<b>Material:</b> migration <b>References:</b> Barclay, George W, 1994, <i>Population Analysis Techniques</i> , Jakarta, Bina Literacy  <b>Material:</b> migration <b>Library:</b> <a href="http://www.datastatistik-indonesia.com/">http://www.datastatistik-indonesia.com/...</a> to obtain Population Census data	10%
7	Students are able to explain population problems and solving population policies	- Explaining population problems and solving problems - Explaining population policies	<b>Criteria:</b> The assessment contained in Assessment Sheet 3 is carried out during the Final Semester Examination (UAS) to assess students' mastery of knowledge about mortality tables, fertility, migration and population problems.  <b>Form of Assessment</b> : Participatory Activities, Project Results Assessment / Product Assessment	- Pulpit lectures - - Assignments - 2 X 50 discussions	-	<b>Material:</b> population problems <b>Reference:</b> David M. Heer, 1985, <i>Population Problems in Developing Countries</i> , Jakarta, Bina Literacy	5%
8	UTS	Accuracy of demographic analysis	<b>Criteria:</b> Complete > 69  <b>Form of Assessment</b> : Project Results Assessment / Product Assessment, Test	2 X 50 test	-	<b>Material:</b> demography <b>Bibliography:</b> Barclay, George W, 1994, <i>Population Analysis Techniques</i> , Jakarta, Bina Aksara	4%
9	Students are able to explain population composition, how to evaluate population composition according to age and gender, and organize population data	Accuracy of population composition analysis	<b>Criteria:</b> Complete > 69  <b>Form of Assessment</b> : Project Results Assessment / Product Assessment, Test	- Pulpit lecture - - Demonstration - 2 X 50 assignment	-	<b>Material:</b> population pressure <b>Reference:</b> Dwiyanto, Agus et al, 1996, <i>Population and Development</i> , Center for Population Research, UGM	5%

10	Students are able to explain population composition, how to evaluate population composition according to age and gender, and organize population data	<ul style="list-style-type: none"> <li>- Explaining the composition of the population - Calculating the age structure of the population according to age and gender with the median age - Even out the population if there are missing population numbers with pro rating - Breaking down 10-year interval age groups into 5-year age groups using Newton's formula - Breaking down age groups 5 year intervals into 1 year age groups with a Sprague multiplier factor - Evaluate population data with the Joint Score Index - Evaluate population data with the Myer's Index - Evaluate population data with SUPAS - Make a pyramid graph - Evaluate population data with a pyramid graph - Organize population data with the method Quadratic Reorientation - Calculating death levels - Calculating birth levels - Smoothing population data using the Graduation method</li> </ul>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1. Assessment sheet 2 is used to assess students in evaluating data and tidying up population data</li> <li>2. Assessment sheet 2 is used to observe student discipline and responsibility in carrying out/completing each assignment given.</li> <li>3. The assessment in Assessment Sheet 2 is carried out during lectures in the Demography and Population Geography course</li> </ol> <p><b>Form of Assessment :</b></p> <p>Project Results Assessment / Product Assessment</p>	<ul style="list-style-type: none"> <li>- Pulpit lecture</li> <li>- Demonstration</li> <li>- 2 X 50 assignment</li> </ul>	-	<p><b>Material:</b> dynamics  <b>References:</b> Haris Abdul, Nyoman Andika, 2002, <i>Population and Development Dynamics in Indonesia from a Macro Perspective to Micro Realities</i>, Yogyakarta, LESFI</p> <hr/> <p><b>Material:</b> dynamics  <b>Bibliography:</b> Schryock, Henry, 1979, <i>The Methods and Materials of Demography</i>, London : Academic Press INC</p> <hr/> <p><b>Material:</b> dynamics  <b>References:</b> Haris Abdul, Nyoman Andika, 2002, <i>Population and Development Dynamics in Indonesia from a Macro Perspective to Micro Realities</i>, Yogyakarta, LESFI</p>	10%
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11	Students are able to explain population composition, how to evaluate population composition according to age and gender, and organize population data	<ul style="list-style-type: none"> <li>- Explaining the composition of the population - Calculating the age structure of the population according to age and gender with the median age - Even out the population if there are missing population numbers with pro rating - Breaking down 10-year interval age groups into 5-year age groups using Newton's formula - Breaking down age groups 5 year intervals into 1 year age groups with a Sprague multiplier factor - Evaluate population data with the Joint Score Index - Evaluate population data with the Myer's Index - Evaluate population data with SUPAS - Make a pyramid graph - Evaluate population data with a pyramid graph - Organize population data with the method Quadratic Reorientation - Calculating death levels - Calculating birth levels - Smoothing population data using the Graduation method</li> </ul>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1. Assessment sheet 2 is used to assess students in evaluating data and tidying up population data</li> <li>2. Assessment sheet 2 is used to observe student discipline and responsibility in carrying out/completing each assignment given.</li> <li>3. The assessment in Assessment Sheet 2 is carried out during lectures in the Demography and Population Geography course</li> </ol> <p><b>Forms of Assessment :</b> Project Results Assessment / Product Assessment, Portfolio Assessment, Practice / Performance</p>	<ul style="list-style-type: none"> <li>- Pulpit lecture</li> <li>- Demonstration</li> <li>- Project Based Learning</li> <li>2 X 50</li> </ul>	<p><b>Material:</b> dynamics <b>References:</b> <i>Haris Abdul, Nyoman Andika, 2002, Population and Development Dynamics in Indonesia from a Macro Perspective to Micro Realities, Yogyakarta, LESFI</i></p> <hr/> <p><b>Material:</b> dynamics <b>Bibliography:</b> <i>Schryock, Henry, 1979, The Methods and Materials of Demography, London : Academic Press INC</i></p> <hr/> <p><b>Material:</b> dynamics <b>References:</b> <i>Haris Abdul, Nyoman Andika, 2002, Population and Development Dynamics in Indonesia from a Macro Perspective to Micro Realities, Yogyakarta, LESFI</i></p>	10%
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12	Students are able to explain population composition, how to evaluate population composition according to age and gender, and organize population data	<ul style="list-style-type: none"> <li>- Explaining the composition of the population - Calculating the age structure of the population according to age and gender with the median age - Even out the population if there are missing population numbers with pro rating - Breaking down 10-year interval age groups into 5-year age groups using Newton's formula - Breaking down age groups 5 year intervals into 1 year age groups with a Sprague multiplier factor - Evaluate population data with the Joint Score Index - Evaluate population data with the Myer's Index - Evaluate population data with SUPAS - Make a pyramid graph - Evaluate population data with a pyramid graph - Organize population data with the method Quadratic Reorientation - Calculating death levels - Calculating birth levels - Smoothing population data using the Graduation method</li> </ul>	<p><b>Criteria:</b> Completed &gt; 65</p> <p><b>Forms of Assessment :</b> Project Results Assessment / Product Assessment, Portfolio Assessment, Practice / Performance</p>	<ul style="list-style-type: none"> <li>- Pulpit lecture</li> <li>- Demonstration - assignment-discussion 2 X 50</li> </ul>	-	<p><b>Material:</b> dynamics <b>References:</b> <i>Haris Abdul, Nyoman Andika, 2002, Population and Development Dynamics in Indonesia from a Macro Perspective to Micro Realities, Yogyakarta, LESFI</i></p> <hr/> <p><b>Material:</b> dynamics <b>Bibliography:</b> <i>Schryock, Henry, 1979, The Methods and Materials of Demography, London : Academic Press INC</i></p> <hr/> <p><b>Material:</b> dynamics <b>References:</b> <i>Haris Abdul, Nyoman Andika, 2002, Population and Development Dynamics in Indonesia from a Macro Perspective to Micro Realities, Yogyakarta, LESFI</i></p>	5%
13	Students are able to compare regional death rates with standard death rates	accuracy of death rate analysis	<p><b>Criteria:</b> Exactly &gt;65</p> <p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment, Portfolio Assessment</p>	<ul style="list-style-type: none"> <li>- Pulpit lecture</li> <li>- Demonstration - Assignment - Discussion 2 X 50</li> </ul>	-	<p><b>Material:</b> death data <b>Bibliography:</b> <i>Schryock, Henry, 1979, The Methods and Materials of Demography, London : Academic Press INC</i></p>	5%

14	Students understand well about projections, ways and methods of projections, using the 3 basic demographic components	- Calculating the population estimate between censuses - Calculating the population estimate after the census - Calculating the population using the Arithmetic method - Calculating the population using the Geometric method - Calculating the population using the Exponential method - Projecting the population using the Component Method	<b>Criteria:</b> 1. Assessment sheet 4 is used to assess students in calculating population estimates and population projections 2. Assessment sheet 4 is used to observe student discipline and responsibility in carrying out/completing each assignment given. 3. The assessment in Assessment Sheet 4 is carried out during lectures in the Demography and Population Geography course.  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment, Portfolio Assessment	- Pulpit lecture - Demonstration - Assignment - Discussion 2 X 50		<b>Material:</b> projection <b>Bibliography:</b> David M. Heer, 1985, <i>Population Problems in Developing Countries</i> , Jakarta, Bina Literacy  <b>Material:</b> projections <b>References:</b> Barclay, George W, 1994, <i>Population Analysis Techniques</i> , Jakarta, Bina Aksara	5%
15	Students understand well about projections, ways and methods of projections, using the 3 basic demographic components	- Calculating the population estimate between censuses - Calculating the population estimate after the census - Calculating the population using the Arithmetic method - Calculating the population using the Geometric method - Calculating the population using the Exponential method - Projecting the population using the Component Method	<b>Criteria:</b> 1. Assessment sheet 4 is used to assess students in calculating population estimates and population projections 2. Assessment sheet 4 is used to observe student discipline and responsibility in carrying out/completing each assignment given. 3. The assessment in Assessment Sheet 4 is carried out during lectures in the Demography and Population Geography course.  <b>Forms of Assessment :</b> Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	- Pulpit lecture - Demonstration - Assignment - Discussion 2 X 50	=	<b>Material:</b> projection <b>Bibliography:</b> David M. Heer, 1985, <i>Population Problems in Developing Countries</i> , Jakarta, Bina Literacy  <b>Material:</b> projections <b>References:</b> Barclay, George W, 1994, <i>Population Analysis Techniques</i> , Jakarta, Bina Aksara	5%
16	UAS	Accuracy of population geographic analysis	<b>Criteria:</b> Exact > 65  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment	essays 2 X 50		<b>Material:</b> population geography <b>Bibliography:</b> Schryock, Henry, 1979, <i>The Methods and Materials of Demography</i> , London : Academic Press INC	5%

#### Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
1.	Participatory Activities	9.17%
2.	Project Results Assessment / Product Assessment	61.17%
3.	Portfolio Assessment	16.67%
4.	Practice / Performance	7.5%
5.	Test	4.5%
		99.01%

## Notes

1. **Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
5. **Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
7. **Forms of assessment:** test and non-test.
8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.