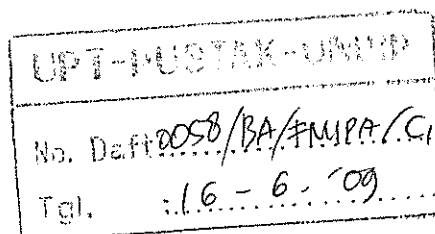




TEACHING-LEARNING CONTRACT  
LEARNING PROGRAM OUTLINE  
LEARNING UNIT PROGRAM

**DEMOGRAPHY**  
**PAS 139**



STATISTICS STUDY PROGRAM OF MATHEMATICS DEPARTMENT  
MATHEMATICS AND SCIENCE FACULTY  
DIPONEGORO UNIVERSITY  
SEMARANG  
2007

## TEACHING-LEARNING CONTRACT

**Course Title** : **Demography**  
**Code** : **PAS 139**  
**Credit** : **3 SKS**  
**Semester** : **VI**

### 1. Course Advantage

Demography represent science which in it study population process and structure in a region, where fickle population structure which because of demography process that is fertility, migration and mortality. Besides population structure determined also by other factor for example marriage, divorce. Change of structure in number and also composition will give social influence, economics and political to population who live in a region have role which important enough in everyday life. To that's this course given so that student can know about the problem of demography

### 2. Course Description

Demography this represent studying the way of obtaining the source of data of demography, way of counting criteria which is used in demography of is including in it make population pyramid, studying process change of population structure, that is fertility, migration and mortality, way of making population projection and also the problem of labor, population mobility

### 3. General Instructional Aim

After studying this course of Demography, the student expected to be able know and explain the source of data of demography, making population pyramid, counting data criteria of demography, fertility rate, mortality rate, making population projection, knowing the problem of labor and also population mobility

### 4. Lecture Strategic

This lecturing uses discourse accompanied with lab work. Every student expected to earn active to ask concepts or things which still not yet been comprehended

and or submit good idea under consideration in the form of personal opinion which obtained from fact exist in its environment or which is obtained from source of bibliography which have been read

## 5. References

- Coale Ansley J. dan Paul Demeny. 1986. *Regional Model Life Table and Stable Population*. Princeton University, Press
- Ida Bagus Mantra. 1985. *Pengantar Studi Demografi*. Penerbit Nur Cahaya, Yogyakarta
- Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar
- Kartomo W. 1980. *Dasar-Dasar Demografi*. Penerbit Lembaga Demografi, Fakultas Ekonomi, UI Jakarta
- Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

## 6. Scoring Criteria

Criteria of scoring in this course is :

Assess	Point
A	4
AB	3,5
B	3
BC	2,5
C	2
CD	1,5
D	1
E	0

Final score decision is based on this scoring indicator such as :

Quiz	10 %
Task	15 %
Midterm	30 %
Final exam	30 %
Lab Work	15 %

## 7. Lecture Schedule

Week	Topik Bahasan	Reading
1	Introduction Source of Demography	Ida Bagus [3] Pollard
2	Composition Population and Criteria Data Demography	Ida Bagus [3] Pollard
3	Mortality Table	Ansley Ida Bagus [3] Pollard
4	Quiz I Fertility	Ida Bagus [3] Pollard
5	Mortality	Ida Bagus [3] Pollard
6	Source of Data Population Projection	Ida Bagus [3] Pollard
7	Population Projection	Ansley Ida Bagus [3] Pollard
8	Midterm	
9	Population Mobility Quiz II	Ida Bagus [2] Ida Bagus [3] Kartomo W
10	Lab Work I : Fertility and Mortality	
11	Wisdom of Redistribution Population of Indonesia and Delivery of Labor ( TKI) out Country	Ida Bagus [2] Ida Bagus [3] Kartomo W
12	Lab Work II : Population Projection	
13	Labor	Ida Bagus [2] Ida Bagus [3] Kartomo W

14	Lab Work III : Labor	
15	Quiz III Wisdom of Demography	Kartomo W
16	Final Exam	

## LEARNING PROGRAM OUTLINE

- Course Title : Demography
- Code / Credit : PAS 139 / 3 SKS
- Course Description : Demography this represent studying problem of demography, that is fertility, mortality, migration, population projection, labor and also population mobility
- General Instructional Aim : After studying this course of Demography, the student expected to be able know and explain the source of data of demography, making population pyramid, counting data criteria of demography, fertility rate, mortality rate, making population projection, knowing the problem of labor and also population mobility

No.	Special Instructional Aim	Subject	Sub Subject	Duration	References
1.	After studying this course student are expected to have ability know and explain the source of data demography, population composition, making population pyramid and also the way of counting and data criteria meaning of demography	Source and Measure Data Demography	<ul style="list-style-type: none"> <li>▪ Source of Data Demography</li> <li>▪ Composition Population</li> <li>▪ Source of Demography</li> </ul>	300 minutes	[3] [5]
2.	After studying this course student are expected to have ability to explain symbol meaning from mortality table and also make the table of brief and complete mortality	Mortality Table	<ul style="list-style-type: none"> <li>▪ Mortality Table</li> </ul>	150 minutes	[1] [3] [5]
3.	After studying this course student are expected to have	Fertility and Mortality	<ul style="list-style-type: none"> <li>▪ Fertility</li> <li>▪ Mortality</li> </ul>	300 minutes	[3] [5]

	ability to explain and count kinds of fertility rate and mortality rate and also fertility and mortality standardization				
4.	After studying this course student are expected to have ability to make population projection.	Population Projection	<ul style="list-style-type: none"> <li>▪ Population Projection</li> </ul>	300 minutes	[1] [3]
5.	After studying this course student are expected to have ability to explain population mobility concept : vertical (change of status) and is horizontal (Geographical MP) : permanent and nonpermanent	Population Mobility	<ul style="list-style-type: none"> <li>▪ Scope</li> <li>▪ Source and Analysis Data</li> </ul>	300 minutes	[2] [3] [4]
6.	After studying this course student are expected to have ability to explain wisdom of redistribution population and delivery of labor ( TKI) out Country	Wisdom of Redistribution Population of Indonesia and Delivery of Labor ( TKI) out Country	<ul style="list-style-type: none"> <li>▪ Program of Redistribution</li> <li>▪ Expectation and of Realita Reorientation Development Of Area</li> <li>▪ Delivery Of TKI</li> </ul>	150 minutes	[3] [4]
7.	After studying this course student are expected to have ability to explain definition and concept of labor	Labor	<ul style="list-style-type: none"> <li>▪ Population Of Age Activity</li> <li>▪ Labor Force Fundamental Norm of Labor</li> <li>▪ Unemployment Rate</li> </ul>	300 minutes	[2] [3] [4]

8.	After studying this course student are expected to have ability to explain wisdom concept of demography.	Wisdom of Demography	<ul style="list-style-type: none"> <li>▪ Wisdom Scope of Demography</li> <li>▪ Kinds of Wisdom of Demography</li> </ul>	150 minutes	[4]
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Reference:

1. Coale Ansley J. dan Paul Demeny. 1986. *Regional Model Life Table and Stable Population*. Princeton University, Press
2. Ida Bagus Mantra. 1985. *Pengantar Studi Demografi*. Penerbit Nur Cahaya, Yogyakarta
3. Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar
4. Kartomo W. 1980. *Dasar-Dasar Demografi*. Penerbit Lembaga Demografi, Fakultas Ekonomi, UI Jakarta
5. Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta



## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 1

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability know and explain the source of data demography, population composition, making population pyramid and also the way of counting and data criteria meaning of demography
2. SPECIFIC : After studying this course student are expected to have ability know and explain the source of data of demography

B. SUBJECT : Source and Measure Data Demography

C. SUB SUBJECT : Source of Data Demography

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the first meeting</li> <li>▪ Explaining purpose of demography</li> <li>▪ Describing about general and specific objectives competence</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining about way to obtained data demography</li> </ul>	Observing, asking, taking notes, discuss	OHP, transparency, white board
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of discuss</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Discuss Observing	White board Paper

E. ASSESSMENT

: Giving problems to the students

F. REFERENCE

: Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar

Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 2

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability know and explain the source of data demography, population composition, making population pyramid and also the way of counting and data criteria meaning of demography
2. SPECIFIC : After studying this course student are expected to have ability know and explain population composition, making population pyramid and also the way of counting and data criteria meaning of demography

B. SUBJECT : Source and Measure Data Demography

C. SUB SUBJECT : Composition Population and Source of Demography

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the second meeting</li> <li>▪ Explaining purpose of measure data demography</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining about measures data demography and making population pyramid</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice and</li> </ul>	Observing, asking, taking notes  Observing, asking, taking notes  Active do	OHP, transparency, white board  White board  White board, paper

	show student to finish		
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of student</li> <li>▪ Giving problems</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	<p>Discuss</p> <p>Taking notes</p> <p>Observing</p>	<p>White board</p> <p>Paper</p>

E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar

Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 3

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain symbol meaning from mortality table and also make the table of brief and complete mortality
2. SPECIFIC : After studying this course student are expected to have ability to explain symbol meaning from mortality table and also make the table mortality

B. SUBJECT : Mortality Table

C. SUB SUBJECT : Mortality Table

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the third meeting</li> <li>▪ Explaining kinds of mortality table</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining about symbol meaning from mortality table and to make the table of brief and complete mortality</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice and show student to finish</li> </ul>	Observing, asking, taking notes  Observing, asking, taking notes  Active do	OHP, transparency, white board  White board  White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of</li> </ul>	Discuss	White board

	student <ul style="list-style-type: none"> <li>▪ Giving problems</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Taking notes Observing	Paper
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E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Coale Ansley J. dan Paul Demeny. 1986. *Regional Model Life Table and Stable Population*. Princeton University, Press

Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar

Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 4

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain and count kinds of fertility rate and mortality rate and also fertility and mortality standardization
2. SPECIFIC : After studying this course student are expected to have ability to explain and count kinds of fertility rate and fertility standardization

B. SUBJECT : Fertility and Mortality

C. SUB SUBJECT : Fertility

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Giving quiz</li> <li>▪ Describing about matter at the fourth meeting</li> <li>▪ Explaining kinds of fertility rate</li> </ul>	Active do Observing	Paper OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining the meaning of fertility rate and way of counting fertility rate</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice and show student to finish</li> </ul>	Observing, asking, taking notes Observing, asking, taking notes Active do	OHP, transparency, white board White board White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of</li> </ul>	Discuss	White board

	student <ul style="list-style-type: none"> <li>▪ Giving problems</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Taking notes Observing	Paper
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E. ASSESSMENT

: Giving problems to the students

F. REFERENCE

: Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar  
 Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta



## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 5

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain and count kinds of fertility rate and mortality rate and also fertility and mortality standardization
2. SPECIFIC : After studying this course student are expected to have ability to explain and count kinds of mortality rate and mortality standardization

B. SUBJECT : Fertility and Mortality

C. SUB SUBJECT : Mortality

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the fifth meeting</li> <li>▪ Explaining kinds of mortality rate</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ <i>Explaining the meaning of mortality rate and way of counting mortality rate</i></li> <li>▪ Giving examples</li> <li>▪ Giving similar practice and show student to finish</li> </ul>	Observing, asking, taking notes Observing, asking, taking notes Active do	OHP, transparency, white board White board White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of student</li> </ul>	Discuss	White board

	<ul style="list-style-type: none"> <li>▪ Giving problems</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Taking notes Observing	Paper
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E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar  
 Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139/3 SKS  
 DURATION : 150 minutes x 2  
 WEEK : 6 and 7

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to make population projection
2. SPECIFIC : After studying this course student are expected to have ability to make population projection

B. SUBJECT : Population Projection

C. SUB SUBJECT : Population Projection

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the sixth and seventh meeting</li> <li>▪ Explaining the meaning of population projection</li> <li>▪ Explaining purpose of population projection</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining about data for to make population projection and to counting them</li> <li>▪ Explaining way of make population projection</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice and show student to finish</li> </ul>	Observing, asking, taking notes  Observing, asking, taking notes  Observing, asking, taking notes  Active do	OHP, transparency, white board  White board  White board  White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of</li> </ul>	Discuss	White board

	student <ul style="list-style-type: none"> <li>▪ Giving problems</li> <li>▪ Giving quiz</li> <li>▪ Giving task</li> <li>▪ Giving description about matter to be tested at midterm</li> </ul>	Taking notes Active do Taking notes Observing	Paper Paper Paper
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E. ASSESSMENT

: Giving problems to the students

F. REFERENCE

: Coale Ansley J. dan Paul Demeny. 1986. *Regional Model Life Table and Stable Population*. Princeton University, Press

Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar

Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 9

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain population mobility concept : vertical (change of status) and is horizontal (Geographical MP) : permanent and nonpermanent
2. SPECIFIC : After studying this course student are expected to have ability to difference MP vertical and MP horizontal to analyze

B. SUBJECT : Population Mobility

C. SUB SUBJECT : Scope and Source and Analysis Data

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the ninth meeting</li> <li>▪ Explaining scope of population mobility</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining scope of population mobility and analyze</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice and show student to finish</li> </ul>	Observing, asking, taking notes Observing, asking, taking notes Active do	OHP, transparency, white board White board White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of student</li> </ul>	Discuss	White board

	<ul style="list-style-type: none"> <li>▪ Giving problems</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Taking notes Observing	Paper
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E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Ida Bagus Mantra. 1985. *Pengantar Studi Demografi*. Penerbit Nur Cahaya, Yogyakarta  
 Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar  
 Kartomo W. 1980. *Dasar-Dasar Demografi*. Penerbit Lembaga Demografi, Fakultas Ekonomi, UI Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 120 minutes  
 WEEK : 10

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this lab work student are expected to have ability to count fertility rate, mortality rate, unemployment rate and make population projection by using Microsoft Excel
2. SPECIFIC : After studying this lab work student are expected to have ability to count fertility rate and mortality rate by using Microsoft Excel

B. SUBJECT : Lab Work Fertility and Mortality

C. SUB SUBJECT : Lab Work Fertility and Mortality

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the tenth meeting</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining using Microsoft Excel to count fertility rate and mortality rate</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice</li> </ul>	Observing, asking, taking notes Observing, asking Active do	Computer  Computer
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving task</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Taking notes Observing	Paper

E. ASSESSMENT : Giving problems to the students

F. REFERENCE

- : Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar
- Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta
- Tim Pengampu, 2005. *Modul Praktikum Statistika Kependudukan*. Jurusan Matematika FMIPA UNDIP, Semarang



## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139/3 SKS  
 DURATION : 150 minutes  
 WEEK : 11

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain wisdom of redistribution population and delivery of labor ( TKI) out Country
2. SPECIFIC : After studying this course student are expected to have ability development of redistribution population program

B. SUBJECT : Wisdom of Redistribution Population of Indonesia and Delivery of Labor ( TKI) out Country

C. SUB SUBJECT : Program of Redistribution, Expectation and of Realita Reorientation Development Of Area and Delivery OfTKI

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the eleventh meeting</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining scope of wisdom of redistribution population and delivery of labor ( TKI) out Country</li> <li>▪ Giving motivation for student to look for examples and discuss</li> </ul>	Observing, asking, taking notes  Discuss	OHP, transparency, white board  White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of student</li> <li>▪ Giving problems</li> </ul>	Discuss  Taking notes	White board  Paper

	▪ Giving description about matter on the next meeting	Observing	
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E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Ida Bagus Mantra. 1985. *Pengantar Studi Demografi*. Penerbit Nur Cahaya, Yogyakarta  
 Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar  
 Kartomo W. 1980. *Dasar-Dasar Demografi*. Penerbit Lembaga Demografi, Fakultas Ekonomi, UI Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 120 minutes  
 WEEK : 12

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this lab work student are expected to have ability to count fertility rate, mortality rate, unemployment rate and make population projection by using Microsoft Excel
2. SPECIFIC : After studying this lab work student are expected to have ability to make population projection by using Microsoft Excel

B. SUBJECT : Lab Work Population Projection

C. SUB SUBJECT : Lab Work Population Projection

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the twelveth meeting</li> </ul>	Observing	OHP, transparancy
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining using Microsoft Excel to make population projection</li> <li>▪ Giving examples</li> <li>▪ Giving similar practice</li> </ul>	Observing, asking, taking notes Observing, asking Active do	Computer  Computer
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving task</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	Taking notes Observing	Paper

E. ASSESSMENT : Giving problems to the students

F. REFERENCE

- : Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar
- Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta
- Tim Pengampu, 2005. *Modul Praktikum Statistika Kependudukan*. Jurusan Matematika FMIPA UNDIP, Semarang

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 13

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain definition and concept of labor
2. SPECIFIC : After studying this course student are expected to have ability to count labor force fundamental norm

B. SUBJECT : Labor

C. SUB SUBJECT : Population Of Age Activity, Labor Force Fundamental Norm of Labor and Unemployment Rate

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the thirteenth meeting</li> <li>▪ Explaining definition and concept of labor</li> </ul>	Observing	OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining scope of population of age activity, labor force fundamental norm of labor and unemployment rate</li> <li>▪ Giving examples</li> <li>▪ Giving motivation for student to look for examples and discuss</li> </ul>	Observing, asking, taking notes  Observing, asking  Discuss	OHP, transparency, white board  White board, paper  White board, paper

CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of student</li> <li>▪ Giving problems</li> <li>▪ Giving description about matter on the next meeting</li> </ul>	<p>Discuss</p> <p>Taking notes</p> <p>Observing</p>	<p>White board</p> <p>Paper</p>
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E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Ida Bagus Mantra. 1985. *Pengantar Studi Demografi*. Penerbit Nur Cahaya, Yogyakarta

Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar

Kartomo W. 1980. *Dasar-Dasar Demografi*. Penerbit Lembaga Demografi, Fakultas Ekonomi, UI Jakarta

## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 120 minutes  
 WEEK : 14

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this lab work student are expected to have ability to count fertility rate, mortality rate, unemployment rate and make population projection by using Microsoft Excel
2. SPECIFIC : After studying this lab work student are expected to have ability to count unemployment rate by using Microsoft Excel

B. SUBJECT : Lab Work Labor

C. SUB SUBJECT : Lab Work Labor

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Describing about matter at the fourteenth meeting</li> </ul>	Observing	OHP, transparancy
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining using Microsoft Excel to count unemployment rate</li> </ul>	Observing, asking, taking notes	Computer
	<ul style="list-style-type: none"> <li>▪ Giving examples</li> </ul>	Observing, asking	Computer
	<ul style="list-style-type: none"> <li>▪ Giving similar practice</li> </ul>	Active do	
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving task</li> </ul>	Taking notes	Paper

E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Coale Ansley J. dan Paul Demeny. 1986. *Regional Model Life Table and Stable Population*. Princeton University, Press

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Ida Bagus Mantra. 2000. *Demografi Umum, edisi ke-2*. Penerbit Pustaka Pelajar

Pollard dan Yusuf, F. 1989. *Teknik Demografi*. Diterjemahkan oleh Rozy Munir dan Budiarto, Bina Aksara, Jakarta

Tim Pengampu, 2005. *Modul Praktikum Statistika Kependudukan*. Jurusan Matematika FMIPA UNDIP, Semarang



## LEARNING UNIT PROGRAM

COURSE TITLE : Demography  
 CODE / CREDIT : PAS 139 / 3 SKS  
 DURATION : 150 minutes  
 WEEK : 15

### A. INSTRUCTIONAL AIM

1. GENERAL : After studying this course student are expected to have ability to explain wisdom concept of demography
2. SPECIFIC : After studying this course student are expected to have ability development wisdom concept of demography

B. SUBJECT : Wisdom of Demography

C. SUB SUBJECT : Wisdom Scope of Demography and Kinds of Wisdom of Demography

### D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> <li>▪ Giving quiz</li> <li>▪ Describing about matter at the fifteenth meeting</li> </ul>	Active do Observing	Paper OHP, transparency
PRESENTATION	<ul style="list-style-type: none"> <li>▪ Explaining scope and kinds of wisdom concept of demography</li> <li>▪ Giving motivation for student to look for examples and discuss</li> </ul>	Observing, asking, taking notes Discuss	OHP, transparency, white board White board, paper
CLOSING	<ul style="list-style-type: none"> <li>▪ Giving comment of work of student</li> <li>▪ Giving problems</li> <li>▪ Giving task</li> </ul>	Discuss Taking notes Taking notes	White board Paper Paper

	<ul style="list-style-type: none"> <li>▪ Giving description about matter to be tested at final exam</li> </ul>	Observing	
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E. ASSESSMENT : Giving problems to the students

F. REFERENCE : Ida Bagus Mantra. 1985. *Pengantar Studi Demografi*. Penerbit Nur Cahaya, Yogyakarta  
 Kartomo W. 1980. *Dasar-Dasar Demografi*. Penerbit Lembaga Demografi, Fakultas Ekonomi, UI Jakarta