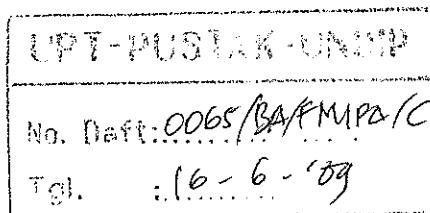




**TEACHING-LEARNING CONTRACT
LEARNING PROGRAM OUTLINE
LEARNING UNIT PROGRAM**

**INTRODUCTION TO
ECONOMICS
PAS 105**



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

TEACHING-LEARNING CONTRACT

Course : Introduction to Economics
Code : PAS 105
Credit : 2
Semester : I

1. Course Advantage

This course is given to introducing some concepts, definitions, and economics model that is used in Macro Economics Analysis.

2. Course Description

This course explains about basics macro economics analysis. After understanding the basics economics science, the students are given the concepts of calculation and analysis of Gross National Product (GNP) and Gross Domestic Product (GDP); calculation and analysis of Consumption and Investment Function; Money Demand and Supply; Balance at Money Market and Goods Market; Monetary Policy, that is based on IS and LM analysis; Policy at Worker Market; Agregation Demand and Supply.

3. General Instructional Aim

After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

4. Lecture Strategic

This lecturing uses three teaching methods, these are lecturing, discuss, and presentation. Lecturing is given to explain the basic theories and followed by discussing some examples that illustrates its applications. To enrich knowledge, group task will be presented in the class, and students will be discussion intensively.

5. Reference

1. Soelistyo and Insukindro, 2001, *Teori Ekonomi Makro I*, Pusat Penerbitan Universitas Terbuka, Jakarta.

2. Suparmoko, M., 2000, *Pengantar Ekonomika Makro*, edisi 4, BPFE, Yogyakarta.

6. Scoring Criteria

Criteria of scoring in this course is

A	4.0
AB	3.5
B	3.0
BC	2.5
C	2.0
CD	1.5
D	1.0
E	0.0

Scoring in this course title consist of three component, that is task, quiz, and examination. Examination will be held twice, that is mid-term and final exam. Midterm exam is arranged after seventh lecturing, while final exam item is arranged after fourteenth lecturing. Tasks consist of individual task and group task. Quiz is unscheduled programs. Task will be given for two ways, these are individual task and group task.

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

No	Component	Percentage
1.	Quiz	10 %
2.	Group Task and Individual Task	20 %
3.	Midterm	30 %
4.	Final Exam	40 %
	TOTAL	100%

7. Lecture Schedule

Week	Material	Reference
1	Introduction : Problems on Macro Economics, The Purpose of Macro Economics Policy, Economics Models.	Soelistyo, Chapter 1, 1.3 Suparmoko, Chapter 1, 1
2	Gross National Product and Gross Domestic Product	Suparmoko, Chapter 2, 11
3	Determination of National Product : Consumption and Investment	Suparmoko, Chapter 3, 31
4	Determination of National Product : Tax, Export and Import, Inflationary Gap and Deflationary Gap.	Suparmoko, Chapter 3, 54

5	Consumption Function	Soelistyo, Chapter 4, 4.2 Suparmoko, Chapter 4, 65
6	Investment Function Task I (Individual Task)	Soelistyo, Chapter 4, 4.19 Suparmoko, Chapter 3, 83
7	Investment Function Variables	Soelistyo, Chapter 4, 4.19 Suparmoko, Chapter 3, 95
8	Evaluasi Tengah Semester	
9	Money Demand and Supply Task II (Group Task)	Suparmoko, Chapter 6, 99
10	Money Demand and Supply : Monetary Policy	Suparmoko, Chapter 6, 107
11	Money Market and Goods Market	Soelistyo, Chapter 1, 1.32 Suparmoko, Chapter 7, 121
12	IS and LM Analysis Task III (Individual Task)	Soelistyo, Chapter 5, 5.1 Suparmoko, Chapter 8, 141
13	Worker Market Group Task Presentation	Soelistyo, Chapter 1, 1.20 Suparmoko, Chapter 7, 159
14	Worker Market : Minimum Salary Policy Group Task Presentation	Soelistyo, Chapter 5, 5.37 Suparmoko, Chapter 9, 175
15	Agregation Demand and Supply Group Task Presentation	Suparmoko, Chapter 10, 189
16	Final Exam	

LEARNING PROGRAM OUTLINE

Course Title : Introduction to Economics
 Code / Credit : PAS 105 / 2
 Course Description : This course explains about basics macro economics analysis. After understanding the basics economics science, the students are given the concepts of calculation and analysis of Gross National Product (GNP) and Gross Domestic Product (GDP); calculation and analysis of Consumption and Investment Function; Money Demand and Supply; Balance at Money Market and Goods Market; Monetary Policy, that is based on IS and LM analysis; Policy at Worker Market; Agregation Demand and Supply.

General Instructional Aim : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

No.	Specific Instructional Aim	Subject	Sub Subject	Duration	References
1	After studying this course, students are expected to have ability to: explain some problems on macro economics, the purpose of the policy, and economics models	Introduction	<ul style="list-style-type: none"> ▪ Problems on Macro Economics ▪ The Purpose of Macro Economics Policy ▪ Economics Models 	100 minutes	[1] 1.3 – 1.19 [2] 1 - 10
2	After studying this course, students are expected to have ability to: explain some basics definitions of GNP and GDP	Gross National Product Gross and Domestic Product and	<ul style="list-style-type: none"> ▪ Gross National Product (GNP) ▪ Gross Domestic Product (GDP) 	100 minutes	[2] 11 - 30
3	After studying this course, students are expected to have ability to: explain consumption, investment, tax, export-import,	Determination of Gross National Product	<ul style="list-style-type: none"> ▪ Consumption ▪ Investment ▪ Tax ▪ Export and Import ▪ Inflationary Gap 	200 minutes	[2] 31 - 64

	inflationary and deflationary gap		and Deflationary Gap.		
4	After studying this course, students are expected to have ability to: explain consumption function	Consumption	<ul style="list-style-type: none"> ▪ Consumption Function 	100 minutes	[1] 4.2 – 4.18 [2] 65 - 82
5	After studying this course, students are expected to have ability to: explain investment function and variables that influenced investment function	Investment	<ul style="list-style-type: none"> ▪ Investment Function ▪ Investment Function Variables 	200 minutes	[1] 4.19 – 4.32 [2] 65 - 98
6	After studying this course, students are expected to have ability to: explain money demand and supply, and monetary policy	Money Demand and Supply	<ul style="list-style-type: none"> ▪ Money Demand ▪ Money Supply ▪ Monetary Policy 	200 minutes	[2] 99 - 120
7	After studying this course, students are expected to have ability to: explain money market and goods market	Money Market and Goods Market	<ul style="list-style-type: none"> ▪ Money Market ▪ Goods Market 	100 minutes	[1] 1.32 – 1.54 [1] 5.37 – 5.52 [2] 121 - 140
8	After studying this course, students are expected to have ability to: explain IS and LM analysis	IS and LM Analysis	<ul style="list-style-type: none"> ▪ IS Analysis ▪ LM Analysis 	100 minutes	[1] 5.1 – 5.52 [2] 141 - 158
9	After studying this course, students are expected to have ability to: explain worker market and minimum salary policy	Worker Market	<ul style="list-style-type: none"> ▪ Worker Market ▪ Minimum Salary Policy 	200 minutes	[1] 1.20 – 1.31 [1] 5.37 – 5.52 [2] 159 - 188
10	After studying this course, students are expected to have ability to: explain agregation demand and supply	Agregation Demand and Supply	<ul style="list-style-type: none"> ▪ Agregation Demand ▪ Agregation Supply 	100 minutes	[2] 189 – 208

References

1. Soelistyo and Insukindro, 2001, *Teori Ekonomi Makro I*, Pusat Penerbitan Universitas Terbuka, Jakarta.
2. Suparmoko, M., 2000, *Pengantar Ekonomika Makro*, edisi 4, BPFE, Yogyakarta.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 1

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

2. SPECIFIC : After studying this course, students are expected to have ability to: explain some problems on macro economics, the purpose of the policy, and economics models

B. SUBJECT : Introduction to Economics

C. SUB SUBJECT : Problems on Macro Economics, The Purpose of Macro Economics Policy, Economics Models

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about Problems on Macro Economics, The Purpose of Macro Economics Policy, Economics Models ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

- E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.
- F. REFERENCE : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS
 CODE / CREDIT : PAS 105 / 2 SKS
 DURATION : 100 MINUTES
 WEEK : 2

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain some basics definitions of GNP and GDP

B. SUBJECT : Gross National Product and Gross Domestic Product

C. SUB SUBJECT : Gross National Product and Gross Domestic Product

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about Problems and Calculation on GNP and GDP ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 3

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

2. SPECIFIC : After studying this course, students are expected to have ability to: explain consumption, investment, tax, export-import, inflationary and deflationary gap

B. SUBJECT : Determination of Gross National Product

C. SUB SUBJECT : Consumption, Investment

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of GNP ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 4

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to explain consumption, investment, tax, export-import, inflationary and deflationary gap

B. SUBJECT : Determination of Gross National Product

C. SUB SUBJECT : Tax, Export-Import, Inflationary and Deflationary Gap

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of GNP ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS
 CODE / CREDIT : PAS 105 / 2 SKS
 DURATION : 100 MINUTES
 WEEK : 5

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain consumption function

B. SUBJECT : consumption function

C. SUB SUBJECT : consumption function

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Consumption Function ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 6

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

2. SPECIFIC : After studying this course, students are expected to have ability to: explain investment function and variables that influenced investment function

B. SUBJECT : Investment Function

C. SUB SUBJECT : Investment Function

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Investment Function ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 7

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

2. SPECIFIC : After studying this course, students are expected to have ability to: explain investment function and variables that influenced investment function

B. SUBJECT : Investment Function

C. SUB SUBJECT : Variables in Investment Function

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Investment Function ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 9

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain money demand and supply, and monetary policy

B. SUBJECT : Money Demand and Supply

C. SUB SUBJECT : Money Demand and Money Supply

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Money Demand and Supply ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 10

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

2. SPECIFIC : After studying this course, students are expected to have ability to: explain money demand and supply, and monetary policy

B. SUBJECT : Money Demand and Supply

C. SUB SUBJECT : Monetary Policy

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Money Demand and Supply ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS
 CODE / CREDIT : PAS 105 / 2 SKS
 DURATION : 100 MINUTES
 WEEK : 11

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain money market and goods market

B. SUBJECT : Money Market and Goods Market

C. SUB SUBJECT : Money Market and Goods Market

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Money Market and Goods Market ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS
 CODE / CREDIT : PAS 105 / 2 SKS
 DURATION : 100 MINUTES
 WEEK : 12

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain IS and LM analysis

B. SUBJECT : IS and LM Analysis

C. SUB SUBJECT : IS and LM Analysis

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of IS and LM Analysis ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS
 CODE / CREDIT : PAS 105 / 2 SKS
 DURATION : 100 MINUTES
 WEEK : 13

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain worker market and minimum salary policy

B. SUBJECT : Worker Market

C. SUB SUBJECT : Worker Market

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparancy, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Worker Market ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparancy, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS

CODE / CREDIT : PAS 105 / 2 SKS

DURATION : 100 MINUTES

WEEK : 14

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.

2. SPECIFIC : After studying this course, students are expected to have ability to: explain worker market and minimum salary policy

B. SUBJECT : Worker Market

C. SUB SUBJECT : Minimum Salary Policy

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparency, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Minimum Salary Policy ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparency, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about matter on the next meeting 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.

LEARNING UNIT PROGRAM

COURSE TITLE : INTRODUCTION TO ECONOMICS
 CODE / CREDIT : PAS 105 / 2 SKS
 DURATION : 100 MINUTES
 WEEK : 15

A. INSTRUCTIONAL AIM :

1. GENERAL : After studying this course, the student are expected to be able to: explain the basics of macro economics analysis, and be able to calculate Gross National Product, Consumption Function, Investment Function, Money Demand and Supply, and analyze the government economics policy.
2. SPECIFIC : After studying this course, students are expected to have ability to: explain agregation demand and supply

B. SUBJECT : Agregation Demand and Supply

C. SUB SUBJECT : Agregation Demand and Supply

D. TEACHING-LEARNING ACTIVITIES

STAGE	LECTURER ACTIVITIES	STUDENT ACTIVITIES	LEARNING MEDIA
INTRODUCTION	<ul style="list-style-type: none"> ▪ Describing about matter at the 1st meeting ▪ Describing about general and specific objectives competence 	Observing and taking notes	OHP, transparancy, white board, reference books, and papers
PRESENTATION	<ul style="list-style-type: none"> ▪ Explaining about determination of Agregation Demand and Supply ▪ Giving examples as a study case 	Observing, asking, taking notes	OHP, transparancy, white board, reference books, and papers
CLOSING	<ul style="list-style-type: none"> ▪ Discussion ▪ Giving some problems as a homework ▪ Giving description about final test 	Discuss, asking, observing, taking notes	white board and papers

E. EVALUATION : From the discussion, teacher can evaluate student's ability of understanding the theory.

F. REFERENCE

- : 1. Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, second edition, Duxbury Press, USA.
2. Elsayed, E.A., 1996, *Reliability Engineering*, Addison Wesley Longman, Inc, Reading, Massachusetts.