



B.E. International Program

Faculty of Economics, Thammasat University



Course Syllabus

EE412 Macroeconomic Analysis

Semester 2/2020 (January 20 – May 19, 2021)

Number of credits: 3 credits (3-0-6)

Lecture Time: Wednesday & Friday, 09.30 – 11.00 AM

Lecture Venue: **Room 204**, Faculty of Economics (Enrollment key: 1124)

Instructor: Professor Arayah Preechametta, Ph.D
Office: Faculty of Economics, Thammasat University,
Tha Prachan, 4th Floor, Room 13
Email: arayah@econ.tu.ac.th
(Office Hours: Wed., Fri. 11.00 AM–12.00 (noon))

Course Description

This course is a course designed for undergraduate students who are ready to explore some advanced macroeconomic issues. The main topics in this course include dynamic macroeconomic analysis, asset price theory, and various economic policies.

Prerequisite: EE 312 and EE 320 (or EE 421)

Course Objectives

Encourage students to improve their analytical skills in macroeconomics.

Teaching Materials and Resources

Textbooks and readings

Sargent, Thomas J., *Dynamic Macroeconomic Theory*, Harvard University Press, Cambridge, 1987.

Mankiw, Gregory, N., *Macroeconomics*, Worth Publishers, New York, 2006.

Romer, David. *Advanced Macroeconomics*, McGraw-Hill, Singapore, 2000.

Recommend readings

Blanchard, Olivier, J., and Stanley Fischer, *Lectures on Macroeconomics*, (Fourth Printing) the MIT Press, Cambridge, 1990.

Teaching Plans

Week/Session	Date	Topics	Instructor
1/1-2	20/01/2021 22/01/2021	Introduction: <ul style="list-style-type: none">- Static analysis- Dynamic analysis	Arayah
2/1 – 2/2	27/01/2021 29/01/2021	Solving a dynamic problem <ul style="list-style-type: none">- Traditional method: system of simultaneous equations- Backward recursive method	Arayah
3/1 – 4/2	03/02/2021 05/02/2021 10/02/2021 12/02/2021	The Bellman's equations and time consistent optimal policies	Arayah
5/1 – 5/2	17/02/2021	Applications:	Arayah

Week/Session	Date	Topics	Instructor
	19/02/2021	<ul style="list-style-type: none"> - Optimal consumption - Optimal growth 	
6/1 – 6/2	24/02/2021 03/03/2021	Asset Price: Hall's random walk of theory of consumption	Arayah
7/1	05/03/2021	The random walk theory of stock prices	Arayah
7/2	10-16/03/2021	-----Mid-Term Examination-----	
8/1	17/03/2021	The random walk theory of stock prices	Arayah
8/2 – 9/1	19/03/2021 24/03/2021	The random walk theory of stock prices	Arayah
9/2 – 11/1	26/03/2021 31/03/2021 07/04/2021 09/04/2021	Applications: <ul style="list-style-type: none"> - The term structure of interest rate, contingent claims, - The value of a firm - Government debt: the Ricardian Proposition 	Arayah
11/2 – 12/1	14/04/2021- 16/04/2021	----- Songkran Festival -----	
12/2 – 14/1	21/04/2021 23/04/2021 28/04/2021 30/04/2021	- Neoclassical Growth Model and the balanced growth path.	Arayah
14/2 – 15/1	05/05/2021 07/05/2021	-The Ramsey-Cass-Koopmans Model	Arayah
15/2 – 16/2	12/05/2021 14/05/2021 19/05/2021	The Phase Diagram: <ul style="list-style-type: none"> - The Saddle Path - Competitive equilibrium and Pareto efficiency 	Arayah
	01/06/2021	-----Final Examination-----	

Remarks:

- ◆ **Homework Assignment and Class Participation (20%)**
- ◆ **Mid-Term Examination (30%): Wednesday, March 10, 2021, 09.00 - 11.00 AM.**
- ◆ **Final Examination (50%): Tuesday, June 1, 2021, 09.00 – 12.00 (noon).**