Part I   Course Overview

Course Title:	**Advanced Macroeconomics**
Course Code:	**EF8072**
Course Duration:	**1 semester**
Credit Units:	**3**
Level:	**R8**
Medium of Instruction:	**English**
Medium of Assessment:	**English**
Prerequisites: *(Course Code and Title)*	**Nil**
Precursors: *(Course Code and Title)*	**Undergraduate level calculus and microeconomics**
Equivalent Courses: *(Course Code and Title)*	**Nil**
Exclusive Courses: *(Course Code and Title)*	**Nil**

Part II   Course Details

1.   **Abstract**

This course is to equip students with an in-depth and applied-oriented understanding of how the macro economy works and how government policies can help or hinder it, in the modern paradigm of dynamic general equilibrium analysis. The course will develop student's discovery abilities through various teaching and learning activities, and enable students to:

(a)   apply the dynamic general equilibrium framework for the analysis of macroeconomic variables and their interdependence;

(b)   understand the determinants and mechanism of business cycle fluctuations, long-run economic growth, and inflation; and

(c)   apply the theories to analyze economic performance and policy choices of an economy.

2.   **Course Intended Learning Outcomes (CILOs)**

No.	CILOs	Weighting	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	*A2*	*A3*
1.	Identify and understand the key issues of macroeconomics, including business cycle measurement, short-run fluctuations and long-run economic growth stylized facts, national income accounting, labor market, economic growth in the light of exogenous and endogenous growth models, money and inflation	20%	√	√	
2.	Discover and further develop critical skills in solving and explaining the mechanism behind the general equilibrium and dynamic optimization of macroeconomic models.	30%	√	√	√
3.	Explore and acquire the technical knowledge on explaining and analyzing the current events using the macroeconomic models.	20%	√	√	√
4.	Demonstrate a strong ability of making use of the representative agent dynamic general equilibrium framework to analyze and explain the relationships of the key macroeconomic variables in the macroeconomic issues related to business cycle fluctuations and long-run growth.	30%	√	√	√
		100%			

A1:   Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2:   Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.

A3:   *Accomplishments*

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

3.   Teaching and Learning Activities (TLAs)

TLA	Brief Description	CILO No.				Hours/week (if applicable)
		1	2	3	4	
Lectures and in-class discussions	Will cover not only the knowledge about the key macroeconomic issues, including business cycle measurement, short-run fluctuations and long-run economic growth stylized facts, national income accounting, labor market, economic growth in the light of exogenous and endogenous growth models, money and inflation, but also the current economic and financial issues.	√	√	√		
Problem sets	Will be provided students during the semester to develop their attitude to discover and innovate.	√	√	√	√	
Final examination	Contains mostly essay questions, which will help students integrate theories and concepts and develop students' problem-solving skills.	√	√	√	√	

4. Assessment Tasks/Activities (ATs)

Assessment Tasks/Activities	CILO No.				Weighting	Remarks
	1	2	3	4		
Continuous Assessment: <u>50</u> %						
Assignments Problem sets will be provided during the course for students to demonstrate their understanding of the course materials and their ability to solve macroeconomic problems using the models learned in class.	√	√	√	√	50 %	
Examination: <u>50</u> % (duration: 2 hours , if applicable)						
Examination One final exam will be given at the end of the course for students to demonstrate their ability of solving the general equilibrium macroeconomic models and applying these models to current macroeconomic issues.	√	√	√	√	50 %	
					100%	

5. Assessment Rubrics

Applicable to students admitted in Semester A 2022/23 and thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B)	Marginal (B-, C+, C)	Failure (F)
1. Assignments	Analysis skills	Excellent analysis skills to demonstrate in-depth understanding of the key issues of macroeconomics.	Good analysis skills to demonstrate good understanding of the key issues of macroeconomics	Marginally acceptable analysis skills to demonstrate some understanding of the key issues of macroeconomics.	Poor analysis skills and is barely able to demonstrate an understanding of the key issues of macroeconomics.
2. Final Exam		Excellent analysis skills to demonstrate in-depth understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Good analysis skills to demonstrate good understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Marginally acceptable analysis skills to demonstrate some understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Poor analysis skills and is barely able to demonstrate an understanding of the macroeconomic models and using the models to solve current macroeconomics issues.

Applicable to students admitted before Semester A 2022/23

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
1. Assignments	Analysis skills	Excellent analysis skills to demonstrate in-depth understanding of the key issues of macroeconomics.	Good analysis skills to demonstrate good understanding of the key issues of macroeconomics	Acceptable analysis skills to demonstrate adequate understanding of the key issues of macroeconomics.	Marginally acceptable analysis skills to demonstrate some understanding of the key issues of macroeconomics.	Poor analysis skills and is barely able to demonstrate an understanding of the key issues of macroeconomics.
2. Final Exam		Excellent analysis skills to demonstrate in-depth understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Good analysis skills to demonstrate good understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Acceptable analysis skills to demonstrate adequate understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Marginally acceptable analysis skills to demonstrate some understanding of the macroeconomic models and using the models to solve current macroeconomics issues.	Poor analysis skills and is barely able to demonstrate an understanding of the macroeconomic models and using the models to solve current macroeconomics issues.

Part III   Other Information

1. **Keyword Syllabus**

Real business cycle theory; Representative agent model; dynamic general equilibrium; First and second welfare theorems; Social planner approach; Neoclassical growth model; Intertemporal decision; Intertemporal substitution; Ricardian equivalence theorem; Neutrality of money; Cash-in-advance model; Strategic complementarities; Coordination failure model; Friedman rule; Inflation tax; Financial intermediation and banking

2. **Reading List**
2.1 **Compulsory Readings**

1.	Lars Ljungqvist and Thomas J. Sargent (2018) Recursive Macroeconomic Theory

2.2 **Additional Readings**

1.	Wickens, Michael (2008) *Macroeconomic Theory: A Dynamic General Equilibrium Approach*. Princeton.
2.	David Romer. *Advanced Macroeconomics*. 4th Edition. McGraw-Hill.
3.	Thomas J. Sargent (1987) Dynamic Macroeconomic Theory