

COURSE CONTENT

Course Coordinator	James Ang
Course Code	HE4044
Course Title	Growth Theory and Empirics
Pre-requisites	HE2001 Microeconomics II and HE2002 Macroeconomics II
No of AUs	4
Contact Hours	39 hours (2 hours lecture and 1 hour tutorial per week)

Course Aims

This course will equip you with the necessary tools for analyzing the sources of economic growth and trends in productivity. You will gain a deeper understanding of how government policy could impact economic growth in the light of recent developments in economic growth analysis.

Intended Learning Outcomes (ILO)

By the end of this course, you (as a student) would be able to:

1. Explain why living standards vary across countries based on the predictions of growth theories using appropriate empirical tools.
2. Evaluate the impact of government policy on growth.
3. Discuss strengths and weaknesses of each growth theoretical proposition.

Course Content

This course explores developments in the analysis of economic growth and introduces current debates on evidence and policy relevant to the growth performance. It covers a wide range of topics, including population, education, health, technology, institutions, income inequality, openness, and growth econometrics, among others.

Assessment (more details will be announced in class)

Continuous Assessment: 100%

Total **100%**

Reading and References

Textbook on "Economic Growth (3rd edition, 2013), David N. Weil. Publisher: Pearson."
Additional references and reading materials will be recommended for each lecture.

Course Instructors

Instructor	Office Location	Email
James Ang	SHHK 04-42	James.ang@ntu.edu.sg

Planned Weekly Schedule

Week	Topic	Course LO	Readings/ Activities
1	The Facts to be Explained & A Framework for Analysis	1, 2, 3	Lecture notes will be provided
2	Physical Capital	1, 2, 3	Lecture notes will be provided
3	Population and Economic Growth	1, 2, 3	Lecture notes will be provided
4	Human Capital	1, 2, 3	Lecture notes will be provided
5	Measuring Productivity	1, 2, 3	Lecture notes will be provided
6	The Role of Technology in Growth	1, 2, 3	Lecture notes will be provided
7	Growth in the Open Economy	1, 2, 3	Lecture notes will be provided
8	Government	1, 2, 3	Lecture notes will be provided
9	Income Inequality	1, 2, 3	Lecture notes will be provided
10	Geography, Climate, and Natural Resources	1, 2, 3	Lecture notes will be provided
11	What We Have Learned and Where We are Headed	1, 2, 3	Lecture notes will be provided
12	Presentation of research project	1, 2, 3	Lecture notes will be provided
13	Revision	1, 2, 3	Lecture notes will be provided