

MACROECONOMICS

In this course we will discuss some basic theories of macroeconomics and the related facts in the economy. We will cover both Keynesian and classical schools in macroeconomics. *Economic reasoning* will be emphasized. No mathematics beyond first-year calculus is required. Most of the time we don't need math at all. After all, basic concepts of economics are the most useful tools to explain facts in real life.

Textbooks

N. Gregory Mankiw, *Macroeconomics*, 12th edition, Worth Publishers, 2025 (中譯：總體經濟學，東華書局，2022)

De-Xing Guan, *The Nature of Economics: Smith, Coase, and the Substitution Structure of Production*, World Scientific, 2025.

Requirements

Midterm: 40%, Final: 40%, four homework assignments: 20%

Office Hours

Tuesdays, 2:00-3:00 p.m. (Social Sciences 3F02); otherwise, by appointment

Web: <https://web.ntpu.edu.tw/~guan>

Course Outline (in lecturing order)

Autumn 2025

Midterm Exam: Chapters 1-3, 5, 11-13

Final Exam: Chapters 6, 14, 19

Spring 2026

Midterm Exam: Chapters 4, 15-17, 20

Final Exam: Chapters 7-10, 18