
Macroeconomic Theory

Lecturer: Wei James Chen

Semester: Spring, 2022

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Course Website: [NTU COOL](#)

Office: College of Agri. Bldg. Room 216

Classroom: TBA

Course Description

This course introduces micro-based macroeconomic models, such as: Closed-Economy One-Period Model, Search Model and Solow Growth Model etc. We will focus on model's manipulation and mathematical derivation of the theory, but not proof of the theory.

Course Requirements

- Intermediate Macro
- Calculus

Course Objectives

- Familiar with macro models
- Familiar with macro model's derivation

Learning Outcomes

Students will be able to:

- Apply macro model to real-world data
- Apply macro model to non-macro problems

Required Readings

Macroeconomics, 6th Edition by Stephen D. Williamson

Grading

- **10%** Class Participation
- **30%** Assignment
- **30%** Midterm
- **30%** Final

If your final grade is higher than your midterm grade, your final will account for 60% instead.

Office Hours

Tue 10:00 – 12:00 (By appointment only)

Course Schedule

Week	Date	Topic
Week 1	2/15	Introduction
Week 2	2/22	The Work-Leisure Decision and Profit Maximization
Week 3	3/1	The Work-Leisure Decision and Profit Maximization
Week 4	3/8	A Closed-Economy One-Period Macro-economic Model
Week 5	3/15	A Closed-Economy One-Period Macro-economic Model
Week 6	3/22	Search and Unemployment
Week 7	3/29	Search and Unemployment
Week 8	4/5	(No Class) National Holiday
Week 9	4/12	Midterm
Week 10	4/19	Economic Growth: Malthus and Solow
Week 11	4/26	Economic Growth: Malthus and Solow
Week 12	5/3	The Consumption-Savings Decision and Credit Markets
Week 13	5/10	The Consumption-Savings Decision and Credit Markets
Week 14	5/17	A Real Intertemporal Model with Investment
Week 15	5/24	A Real Intertemporal Model with Investment
Week 16	5/31	Final
