2008, Fall

Instructor: 羅竹平

Macroeconomics

Outline：

   The course is to provide a theoretical introduction to foundations of dynamic macroeconomics, with an emphasis on growth model. Topics include the neoclassical growth model, overlapping generations, endogenous growth models, business cycles, fiscal and monetary policy, consumption and savings, and unemployment. The course is also an introduction to the mathematical tools used in modern macroeconomics, including dynamic systems, optimal control, and dynamic programming

Textbook：

   David Romer, Advanced Macroeconomics, 2nd Edition (New York: McGraw Hill, 2001).

Grading and assignments：

         Problem sets (30%); Mid-term (30%); Final Exam (40%)

Course contents：

1. **Introduction to Growth Facts and Growth Models**

Romer, D. (2001), Advanced Macroeconomics, chapter 1.

Solow, R.M. (1956), "A Contribution to the Theory of Economic Growth", Quarterly

Journal of Economics 70, 65-94.

2. The Neoclassical Growth Model

Romer, D. (2001), Advanced Macroeconomics, chapter 2.

Mankiw, N.G., D. Romer, and D. Weil (1992), "A Contribution to the Empirics of

Economic Growth," Quarterly Journal of Economics 107, 401-437.

3. Overlapping Generations

Romer, D. (2001), Advanced Macroeconomics, chapter 2.

Diamond, P. (1965), "National Debt in a Neoclassical Growth Model," American

Economic Review 55, 1126-1150.

4. **Endogenous Growth: Externality, R&D, Innovation**

   Romer, D. (2001), Advanced Macroeconomics, chapter 3

5. Real Business Cycles

Romer, D. (2001), Advanced Macroeconomics, chapter 4.

Kydland, F., and Prescott, E. C. (1982), "Time to Build and Aggregate Fluctuations,"

Econometrica 50, 1345-1370.

6. The IS-LM Model

   Romer, D. (2001), Advanced Macroeconomics, chapter 5.

7. Consumption and Savings

   Romer, D. (2001), Advanced Macroeconomics, chapter 7.

8. Unemployment

   Romer, D. (2001), Advanced Macroeconomics, chapter 9 and 10.