Syllabus: Economics 704a · Macroeconomics

Prof. Adam M. Guren · Boston University · Spring 2024

Logistics

TuTh 11-12:15 in CDS 463

Instructor:

Adam Guren
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270 Bay State Road, Room 406
Office Hours Until Spring Break: M 9-10:30, W 3:30-5 and by appointment in room 406
Please email ahead so I can stagger students.

Teaching Assistant:

Shraddha Mandi
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Section: Tu 3:30-4:45 in CAS 116
Office Hours: F 12:30-2:30 in room 413

Overview:

This is the first half of the second semester first-year Ph.D. course in macroeconomics. The course focuses on Monetary Economics and particularly the New Keynesian Model. The course begins with a review of the Real Business Cycle framework. After considering the evidence for monetary non-neutrality, the course develops the basic building blocks of the New Keynesian framework by adding money, imperfect competition, and nominal rigidity to the RBC model. The course then turns to the conduct of monetary policy. After discussing the liquidity trap and policy in a liquidity trap, we will turn to recent topics in macroeconomics related to the Great Recession and its aftermath.

Textbooks and Course Materials:

- Lecture Notes, Algebra Guides, and Readings will be posted on the course website.
  - Readings outside of textbook and readings listed below each topic will be added and announced via e-mail.

- Textbook:
Other Suggested Macroeconomics Textbooks


Requirements:

- 13 Lectures From January 18 to February 29th
- Exam: 75 minutes in class on March 5
- Problem Sets
  - There will be 5 regular problem sets due weekly on Tuesdays by 11:59 pm plus two response assignments that count as one problem set.
  - You are encouraged to work in groups.
  - If you do so you must indicate who you worked with on your write up.
  - Each student must hand in their own write up and submit it to the Blackboard online portal. Your results should be written up as a PDF in \LaTeX. You do not need to \LaTeX all your derivations and may append scans of hand-written algebra to the end.
  - Grading: Check+, Check, Check-, 0.
    If you make an effort to answer every problem you will get a check, which is considered full credit.
    The problem sets will be difficult, and I want to reward tackling the problem rather than getting everything right.
  - There will be six problem sets. Five are standard problem sets. The last “problem set” will consist of two student responses to recent papers on the monetary transmission mechanism. This assignment will be discussed in class.
  - All problem sets will be turned in online through blackboard.

Grading For This Half of Course: 75% Final, 25% Problem Sets

- Regrade Policy: If you do not agree with your score, you may ask me for a regrade. I will personally regrade the *entire* test, and you may lose points as well as gain them. Note that I tend to be harsher than the TA.

- You are encouraged to stop me if you are confused and ask questions. I want this to be a discussion rather than a lecture as frequently as possible!
You may not use electronic devices such as laptops, tablets, or phones in class. If you feel like you need an electronic device to learn or have another good reason to use electronic devices in class, please come see me. I want the course to be fun.

- I will try to reference interesting recent research.
- The focus will be on theory, but I will also discuss related empirics.
- Please ask questions and be engaged. Even if you do not become a macroeconomist, you will be asked about monetary policy for the rest of your life. Now is the time to learn something about it.

**Reading List**

Required readings are starred. Readings may be changed over the course of the semester.

This reading list is extensive because it is not only be a list of required readings but also a guide to the literature should you become interested in the topics we cover.

- **Business Cycle Facts**

- **Real Business Cycle Model: Review, Criticisms, and Business Cycle Accounting**


**Empirical Motivation for Nominal Rigidity**


**Money, Money Demand, and Output**

* Gali Chapter 2.

**Monopolistic Competition and Markups**

* Gali Chapter 3, appendix.

• The New Keynesian Model

  – * Gali Chapter 3.


• Optimal Monetary Policy in a New Keynesian Framework


  – * Gali Chapters 4-5.1-3

• The Liquidity Trap


• Policy in a Liquidity Trap
  
  – * Gali Chapter 5.4.

• New Perspectives on the Monetary Transmission Mechanism
  
  – Heterogenous Agent New Keynesian Models: Liquidity Constrained Consumers and Monetary Transmission
    


- Household Finance and the Mortgage Channel of Monetary Transmission

* * Wong, Arlene (2018). “Population Aging and the Transmission of Monetary Policy to Consumption.” WP. [NOTE: Read original version on course website not new version “Refinancing and the Transmission of Monetary Policy to Consumption.”]


