1 Course Objectives

This course examines empirical work in international trade and its theoretical foundations. On the theory side, the course considers the determinants of the trade pattern in goods and services, explanations of export-market participation and multinational activity at the firm level, as well as the interaction of international trade with the income distribution and commercial policy. The empirical part of the course presents tests of theories of international trade and international capital movements, and the analysis of their consequences for economic outcomes.

2 Prerequisites

Instructor’s consent.

3 Readings

Textbooks: Feenstra (2004); Eaton and Kortum (2010); partly Bhagwati, Panagariya, and Srinivasan (1998)

Readings: See Class schedule and References.

The Eaton and Kortum textbook draft and readings are available through the class web page (see above). For each lecture, there are up to three types of readings. The basic reading is the textbook reference, or the classic article, on which a large part of the lecture notes will be based; you are not asked to write your weekly report on those. The main readings include original papers or book chapters, on which you are asked to write your weekly report; the main reading is a recent academic publication (rarely more than one) for you to understand and discuss. Additional readings are points of departure for related research questions; you may choose to write your weekly report on an additional reading. Lecture slides are available for download from the course web page.
4 Paper reports

There are two lectures per week (an early lecture and a late lecture), and each lecture has designated main readings as well as additional readings on this syllabus (unless the additional reading is a survey article).

You are asked to send me one paper report by e-mail per week, starting for week 2, on the readings of either the early lecture or the late lecture. You can pick among the main and the additional readings for your report. Please paste your report into the body of the e-mail. No report is due for lectures 1 and 2. Starting with Lecture 3 on April 4, there are two lectures per week; one report is due for each of these seven weeks. On lecture days when the main readings are followed by the remark “cumulatively” the report for the main readings is meant to be based on all the (short) main readings, when followed by the remark “you choose” there are two alternative (mutually exclusive) main readings.

Your report should be no longer than two (2) paragraphs and provide a summary of the paper’s main insights and lessons. For theoretical papers, and the occasional historic conceptual paper, the summary should describe the main hypothesis and building blocks of the model, recount the main steps of the reasoning in the derivation, and assess the novelty and generality of the model. For empirical papers, the summary should describe the main features of the data source, explain the empirical procedure and identification strategy, and assess the robustness and generality of the results. For each paper, the summary concludes with a brief assessment of the role and relevance of the paper in the literature.

The paper report e-mail is due before the respective class, at 5:00p on Friday the week before. For example, for the late lecture on Monday, April 4, the report is due at 5:00p on Friday, April 1.

5 Problem sets

Three problem sets will be distributed for the first three blocks of the quarter. The problem sets ask you derive key aspects of trade models that typically inform and discipline empirical work on related topics. Problem set 1 will cover Industry-level Trade Theory, problem set 2 Firm-level Trade Theory and problem set 3 Global Production. Each problem set is posted online already but may be considered as “given out” close to the beginning of the according topic block (April 4, April 18 and May 2) and due upon conclusion of the according topic block (April 18, May 2, May 16). Also see the Class Schedule for dates.

6 Project presentation

The last week of class will be devoted to student presentations. By yourself or in groups of two or three, you will choose a recent research paper at the frontier of research in international trade and use work of your own to replicate or go beyond the paper you present. For this purpose, you will propose a paper of your choice by Friday, May 13 at 5pm. In rare cases, I may ask you to select another paper by Monday, May 16. The paper presentation should explain the paper’s main insights in a style similar to a seminar and emphasize your own (envisaged) research work beyond the paper you present. Ideally, you will conclude with ideas for serious own follow-up research. The presentation should be based on slides.
7 Final exam

There will be a two-hour final exam on Monday, June 6.

8 Assessment

There are four components of assessment: seven paper reports (due in weeks 1-7 of the quarter), three problem sets (throughout the main part of the quarter), the oral presentation (in week 9), and the final exam (during finals week). Given Memorial Day Observance, there is no class in week 10. The final exam will count for 25 percent of the final letter grade; the paper reports, the problem sets, and the oral presentation also for 25 percent each. Strong class room participation throughout the quarter will be counted towards performance in the latter three categories.

9 Class Schedule

I. Foundations

   Basic reading: Eaton and Kortum (2010)/Ch. 2

   Basic readings: Eaton and Kortum (2010)/Ch. 3, Feenstra (2004)/Ch. 5, Head and Mayer (2014)
   Main reading: Anderson and van Wincoop (2003)

II. Industry-level Trade Theory and Empirics

3. Mon, April 4: Classic Productivity Differences and Trade
   Basic readings: Eaton and Kortum (2010)/Ch. 3, Feenstra (2004)/Ch. 1
   Main reading: Dornbusch, Fischer, and Samuelson (1977)
   (Additional readings: Eaton and Kortum 2012, Ricardo 1821, Obstfeld and Rogoff 1996/Ch. 4.5)
   Problem Set 1 OUT

4. Mon, April 4: Technology and Geography in the Global Economy
   Basic reading: Eaton and Kortum (2010)/Ch. 4-6 (sections 4.1, 4.4, 5.1-5.4, 6.1-6.5)
   Main reading: Eaton and Kortum (2002)

5. Mon, April 11: Endowment Differences and Trade
   Basic readings: Feenstra (2004)/Ch. 1-2, Bhagwati, Panagariya, and Srinivasan (1998)/Ch. 5-6
   Main reading: Ohlin (1931)

6. Mon, April 11: Extensions, Evidence and Trade Policy
Main reading: Davis and Weinstein (2001) or Broda, Limão, and Weinstein (2008), your choice
III. Firm-level Trade Theory and Empirics

7. **Mon, April 18:** Exporter Heterogeneity and the Size Distribution of Firms  
   **Problem set 1 due**  

8. **Mon, April 18:** Intermission on Multidimensional Panel Data  
   *Main reading:* Abowd, Kramarz, and Woodcock (2008)  
   *(Additional readings:* Abowd, Kramarz, and Margolis 1999, Moreira 2009)  

9. **Mon, April 27 (or 28, 29):** Heterogeneity with Fixed Costs of Exporting  
   *Basic readings:* Melitz (2003), Melitz and Redding (2014)  
   *Main reading:* Das, Roberts, and Tybout (2007)  

10. **Wed, April 27 (or 28, 29):** Multi-product Firms  
    *Main reading:* Eckel and Neary (2010)  
    *(Additional readings:* Arkolakis, Ganapati, and Muendler 2015, Bernard, Redding, and Schott 2011)  

IV. Global Production

11. **Wed, May 2:** Offshoring and Trade in Intermediate Inputs  
    *Basic reading:* Feenstra (2004)/Ch. 4  
    *Main reading:* Koopman, Wang, and Wei (2014)  
    **Problem set 2 due**  
    **Problem set 3 out**  

12. **Mon, May 2:** Trade in Tasks  

13. **Mon, May 9:** Horizontal Foreign Direct Investment  
    *Basic readings:* Feenstra (2004)/Ch. 11, Antrás and Yeaple (2014)  
    *Main reading:* Helpman, Melitz, and Yeaple (2004)  

14. **Mon, May 9:** Firm Boundaries and Vertical Foreign Direct Investment  
    *Basic readings:* Feenstra (2004)/Ch. 11, Antrás and Yeaple (2014)  
    *Main reading:* Antrás (2003)  
    *(Additional readings:* Antrás and Helpman 2004, Hanson, Mataloni, and Slaughter 2005)
V. Local Impacts of Global Markets

Fri, May 13: Proposal for Paper Presentation DUE

15. Mon, May 16: Determinants and Consequences of Multinational Firm Activity
   Basic reading: Feenstra (2004)/Ch. 11
   Main readings: Carr, Markusen, and Maskus (2001), Blonigen, Davies, and Head (2003) and
   Carr, Markusen, and Maskus (2003), cumulatively
   (Additional reading: Muendler and Becker 2010, Helpman 2006)

   Main reading: Autor, Dorn, and Hanson (2013)
   (Additional readings: Harrison, McLaren, and McMillan 2011, Artuç, Chaudhuri, and McLaren
   (2010), Amiti and Davis (2011), Helpman, Itskhoki, and Redding (2010), Bazzi, Menezes-Filho,
   and Muendler 2016)
   Problem set 3 DUE

Fri, May 20: Schedule of Student Presentations OUT

Mon, May 23: Student Presentations

Mon, May 23: Student Presentations
   Problem set 3 DUE

Mon, June 6: Final Exam 1:30p-3:30p
References


