

International Trade

Rosario Crinò (Università Cattolica del Sacro Cuore)

Course Description

This course introduces students to some of the main theories of international trade and to the associated empirical evidence. The course deals with the following topics: trade based on comparative advantage; intra-industry trade based on economies of scale and product differentiation; firm heterogeneity and intra-industry reallocations; foreign direct investment; estimation of gravity equations; trade and finance.

Material

Lecture notes are compulsory. Papers and book chapters indicated in the syllabus are strongly recommended. A list of textbooks is provided below:

Intermediate Textbooks

- Feenstra, R. and Taylor, A., 2017, *International Trade*, Macmillan
- Krugman, P., Obstfeld, M. and Melitz, M., 2014, *International Economics: Theory and Policy*, Pearson
- Helpman, E., 2011, *Understanding Global Trade*, Belknap Press of Harvard University Press
- Markusen, J., Melvin, J., Kaempfer, W. and Maskus, K., 1995, *International Trade: Theory and Evidence*, McGraw-Hill

Advanced Textbooks

- Eaton, J. and Kortum, S., 2012, *Technology in the Global Economy: A Framework for Quantitative Analysis*, Princeton University Press
- Feenstra, R., 2004, *Advanced International Trade: Theory and Evidence*, Princeton University Press
- Helpman, E. and Krugman, P., 1985, *Market Structure and Foreign Trade*, MIT Press

Grading

Class participation: 20%.

Paper replication: 80%, of which:

- replication material (Stata do-files and dta-files): 40% (one copy for each team composed of 3 students);
- written output: 40% (one for each student; it must be written **independently** of the other students in the team).

See the enclosed file for detailed rules about the replication exercise.

Course Contents

1. Trade Based on Comparative Advantage

1.1 The Ricardian model

- Dornbusch, R., Fischer, S. and Samuelson, P., 1977, "Comparative Advantage, Trade and Payments in a Ricardian Model with a Continuum of Goods," *American Economic Review*, 67, pp. 823-839
- Feenstra, R., 2004, *Advanced International Trade: Theory and Evidence*, Princeton University Press, Chapter 1
- Eaton, J. and Kortum, S., 2012, "Putting Ricardo to Work," *Journal of Economic Perspectives*, 26, pp. 65-90

1.2 The Heckscher-Ohlin model

- Dornbusch, R., Fischer, S. and Samuelson, P., 1980, "Heckscher-Ohlin Trade Theory with a Continuum of Goods," *Quarterly Journal of Economics*, 95, pp. 203-224
- Trefler, D., 1995, "The Case of the Missing Trade and Other Mysteries," *American Economic Review*, 85, pp. 1029-1046
- Feenstra, R., 2004, *Advanced International Trade: Theory and Evidence*, Princeton University Press, Chapters 2-3

2. Increasing Returns, Product Differentiation and Intra-Industry Trade

- Krugman, P., 1979, "Increasing Returns, Monopolistic Competition, and International Trade," *Journal of International Economics*, 9, pp. 469-479

- Krugman, P., 1980, "Scale Economies, Product Differentiation, and the Pattern of Trade," *American Economic Review*, 70, pp. 950-959
- Ethier, W.J., 1982, "National and International Returns to Scale in the Modern Theory of International Trade," *American Economic Review*, 72, pp. 389-405
- McCallum, J., 1995, "National Borders Matter: Canada-U.S. Regional Trade Patterns," *American Economic Review*, 85, pp. 615-623
- Anderson, J. and van Wincoop, E., 2003, "Gravity with Gravitas: A Solution to the Border Puzzle," *American Economic Review*, 93, pp. 170-192
- Feenstra, R., 2004, *Advanced International Trade: Theory and Evidence*, Princeton University Press, Chapter 5
- Debaere, P., 2005, "Monopolist Competition and Trade, Revisited: Testing the Model without Testing for Gravity," *Journal of International Economics*, 66, pp. 249-266
- Amiti, M. and Konings, J., 2007, "Trade Liberalization, Intermediate Inputs, and Productivity: Evidence from Indonesia," *American Economic Review*, 97, pp. 1611-1638

3. Heterogeneous-Firms, Selection and Intra-Industry Reallocations

- Pavcnik, N., 2002, "Trade Liberalization, Exit, and Productivity Improvements: Evidence from Chilean Plants," *Review of Economic Studies*, 69, pp. 245-276
- Melitz, M., 2003, "The Impact of Trade on Intra-Industry Reallocations and Aggregate Industry Productivity," *Econometrica*, 71, pp. 1695-1725
- Helpman, E., 2006, "Trade, FDI, and the Organization of Firms," *Journal of Economic Literature*, 44, pp. 589-630
- Bernard, B., Jensen, J., Redding, S. and Schott, P., 2007, "Firms in International Trade," *Journal of Economic Perspectives*, 21, pp. 105-13
- Bernard, B., Jensen, J., Redding, S. and Schott, P., 2012, "The Empirics of Firm Heterogeneity and International Trade," *Annual Review of Economics*, 4, pp. 283-313
- Melitz, M. and Trefler, D., 2012, "Gains from Trade when Firms Matter," *Journal of Economic Perspectives*, 26, pp. 91-118
- Melitz, M. and Redding, S., 2014, "Heterogeneous Firms and Trade," in *Handbook of International Economics*, Vol. 4., pp. 1-54

4. Trade and Foreign Direct Investment

- Brainard, S.L., 1997, "An Empirical Assessment of the Proximity-Concentration Trade-Off Between Multinational Sales and Trade," *American Economic Review*, 87, pp. 520-544
- Helpman, E., Melitz, M. and Yeaple, S., 2004, "Export Versus FDI with Heterogeneous Firms," *American Economic Review*, 94, pp. 300-316
- Antras, P. and Yeaple, S., 2014, "Multinational Firms and the Structure of International Trade," in *Handbook of International Economics*, Vol. 4, pp. 55-130

5. Estimation of Gravity Equations

- Helpman, E., Melitz, M. and Rubinstein, Y., 2008, "Estimating Trade Flows: Trading Partners and Trading Volumes," *Quarterly Journal of Economics*, 123, pp. 441-487

6. Trade and Finance

- Manova, K., 2013, "Credit Constraints, Heterogeneous Firms, and International Trade," *Review of Economic Studies*, 80, pp. 711-744
- Nunn, N. and Trefler, D., 2014, "Domestic Institutions as a Source of Comparative Advantage," in *Handbook of International Economics*, Vol. 4., 263-315