

## **Course: Advanced Topics in Input-Output Analysis, by Erik Dietzenbacher**

**Place: IPE-USP**

**Date: August 27<sup>th</sup> to 31<sup>st</sup> 2012**

This course deals with recent developments in input-output analysis and is centered around my own research topics. As a starting point, I will take a set of papers (that have recently been published, are forthcoming, are in the process of completion, or are still work in progress). The lectures are given in five daily sessions, each taking 2 to 3 hours, and the schedule is as follows.

### **Session 1: World Input-Output Database (Monday, August 27 – 10:30 am)**

1. WIOD: World Input-Output Database. *No paper available.*
2. How much would the Kyoto protocol have cost us? *Preliminary draft.* (With M. Serrano.)

### **Session 2: Trade and vertical specialization (Tuesday, August 28 – 10:30 am)**

3. The bias in measuring vertical specialization: the effects of processing trade in China. *Preliminary draft.* (With C. Yang, J. Pei, X. Chen, K. Zhu and Z. Tang.)
- 4a. Fragmentation in an inter-country input-output framework. *Preliminary draft.*
- 4b. Vertical specialization in an intercountry framework. *Letters in Spatial and Resource Sciences*, 3 (2010), 127-136.

### **Session 3: Other trade issues (Wednesday, August 29 – 10:30 am)**

5. The treatment of imports in input-output tables and its consequences. *Preliminary draft.* (With V. Albino and S. Kühtz.)
6. Trade, production fragmentation, and China's carbon dioxide emissions. *Journal of Environmental Economics and Management*, 64 (2012), 88-101. (With C. Yang and J. Pei.)

**Session 4: Environmental issues (Thursday, August 30 – 10:30 am)**

7. An empirical examination of the pollution haven hypothesis for India: towards a green Leontief paradox? *Environmental and Resource Economics*, 36 (2007), 427-449. (With K. Mukhopadhyay)
8. Analysing Andalusian virtual water trade in an input-output framework. *Regional Studies*, 41 (2007), 185-196. (With E. Velázquez)

**Session 5: Production chains and transfer pricing (Friday, August 31 – 10:30 am)**

- 9a. Production chains in an interregional framework: identification by means of average propagation lengths. *International Regional Science Review*, 30 (2007), 362-383. (With I. Romero)
- 9b. Using average propagation lengths to identify production chains in the Andalusian economy. *Estudios de Economía Aplicada*, 23 (2005), 405-422. (With I. Romero Luna and N.S. Bosma)
- 9c. Fragmentation and complexity: Analyzing structural change in the Chicago regional economy. *Revista de Economía Mundial*, 23 (2009), 263-282. (With I. Romero and G.J.D. Hewings.)
10. Transfer pricing in an enterprise input-output model. *No paper available.*