Syllabus

General Equilibrium Policy Modeling

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July, 2010
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Objectives of the Course

• This course offers a brief introduction to the general equilibrium policy modeling.
• The course will combine theoretical and empirical materials with the latest software resources and train students to analyze important current economic issues.
• Upon completion of the course, students will have the tools needed to develop, implement, and assess policy models.
Introduction to GE Data and Modeling

Lecture 1: Overview of Social Accounting Matrices
Lecture 2: Overview of CGE Modeling
Lecture 3: Introduction to GAMS Programming
Lecture 4: Data Reconciliation Techniques
Lecture 5: CGE Modeling in GAMS
To facilitate introductions, please send me an email with the following information (dwrh@berkeley.edu)

1. Your name
2. Whether you are a Master’s or PhD student, and what year
3. Your thesis project
4. How far you are into your dissertation research (e.g., just starting, just finishing)
5. What you would like to gain from this course
Prerequisites

This course is open to all graduate and professional researchers with technical training in economics. Familiarity with calculus and linear algebra are required. Prior experience with Microsoft Excel and basic computer programming are recommended.
Projects may be based on a topic in one of the following five areas:

1. **Trade**
   - Thailand and regional Growth
     - Regional market growth horizons
     - Thailand as a trade integrator – hierarchy and value added
     - Thailand as a financial integrator – FDI and multinational financial services
   - Thailand and Bilateral opportunities with… China, India, Japan, OECD

2. **Agriculture**
   - Agro-food Value Added, Rural, Development, and Growth
   - Food and Fuel

3. **Climate policy**

4. **Energy policy**

5. **Public Finance**
   - Infrastructure and growth
   - Taxation for Efficiency and Private Sector Development
• All course content will be electronic, including lectures, background material, and project submissions

• Lectures and readings will all be posted on the course website: http://are.berkeley.edu/~dwrh/CMU_CGE10/index.html

• Students are expected to have internet access during class and throughout their course activities

• Students need their own access to Microsoft Office and pdf software

• Other computer software, code, and data, will be made available electronically during the course
Questions?