

**CGE Modelling for Trade Policy Analysis**  
**23 – 27 July 2012, The University of the South Pacific**  
**Laucala Campus, Suva, Fiji Islands**

**TENTATIVE PROGRAMME**

**Day 1: Monday, 23 July 2012**

08:00 – 08:30                    **Registration**

08:30 – 09:00                    **Inaugural Session:**  
**Chair: Dr. Kesaia Seniloli (Acting Dean, FBE, USP).**

**Welcome Address**

- Professor Rajesh Chandra (Vice Chancellor, USP)
- Mr. Iosefa Maiava, (Director, ESCAP Pacific Office, Fiji)
- Mr. Kamueli Naiqama (Chief Economist, Ministry of National Planning, Fiji)
- Professor Biman Chand Prasad (School of Economics, USP)

**All substantive sessions will be delivered by Professor John Gilbert, Utah State University and ARTNet Advisor**

09:00 – 12.00                    **Session 1: Introduction to CGE Analysis**  
**All sessions will be delivered by professor John Gilbert, Utah State university and ARTNet Advisor**  
An introduction to CGE models (uses, interpretation, strengths and limitations)

12:00 – 13:00                    *Lunch break*

13:00 – 17:00                    **Session 2: Recent CGE Analyses for Trade Policy**

CGE analysis uses for trade policy in developing economies and review of recent applications in the CGE literature. The objective is to gain a better understanding of the types of questions to which CGE analysis can usefully be applied.

**Day 2: Tuesday, 24 July 2012**

8:30 – 12:00                    **Session 3: The Building Blocks of CGE Models**

Review the basic theory behind the components that make up a CGE model: consumer demand, production theory, and international trade.

1. Modeling Demand
2. Modeling Production
3. Modeling Trade

12:00 – 13:00                    *Lunch break*

13:00 – 16:30                    **Session 4: Hands On 1 - The 2 x 2 Model**

Working with the General Algebraic Modeling System (GAMS)

1. Introduction to GAMS
2. Building the 2 x 2 Model

**Day 3: Wednesday, 25 July 2012**

8:30 – 16:30

**Session 5: Extending the 2 x 2 Model**

Common extensions to the basic general equilibrium models of international trade theory that are used in most modern CGE models.

1. Armington Specification
2. Joint Production

12:00 – 13:00

*Lunch break*

13:00 – 16:30

**Session 6: Hands On 2 - The 'Standard' CGE Model**

Applying the insights developed in the preceding session and building and simulating a working version of the 'standard' CGE model in GAMS.

**Day 4: Thursday, 26 July 2012**

8:30 – 12:00

**Session 7: Policy Instruments and Distortions**

Incorporation of policy distortions into general equilibrium models

1. Tariffs
2. Domestic Taxes and Subsidies
3. Factor Market Distortions

12:00 – 13:00

*Lunch break*

13:00 – 16:30

**Session 8: Hands On**

Introducing distortions into the GAMS models (with details determined by the research interests of participants).

**Day 5: Friday, 27 July 2012**

8:30 - 12:00

**Session 9: Data**

Data requirements of CGE models and using Social Accounting Matrix to conceptualize data. Sources of data for CGE analysis.

12:00 – 13:00

*Lunch break*

13:00 – 16:30

**Session 10: Wrap Up**

Wrap up of the course. (Participants will be directed to more advanced resources, and will have the opportunity to discuss their research projects.)

16:30 - 17:00

**Closing Session and Certificate Distribution:****Chair: Dr. Gurmeet Singh (Associate Dean – Research, FBE, USP)**

- Prof. John Gilbert (Utah State University, USA)
- Dr. Sunil Kumar (Acting Head, School of Economics, USP)

**Vote of Thanks**

- Dr. Dibyendu Maiti (Programme Coordinator, School of Economics, USP)

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