

EcoMod School of Modeling and Data Science

Overlapping Generation General Equilibrium Modeling with GAMS



COURSE OBJECTIVES

Intensive course at the advanced level. OLG models are very useful in the analysis of a large number of important policy issues such as government tax and expenditure, social security reform, welfare state, aging, international trade, demographic issues, fertility, education, human capital, growth, migration, labor market, environmental issues, intergenerational equity, etc. This course is only accessible to those who have some experience in general equilibrium modeling and to the alumni of the EcoMod Modeling School or on-line courses. By the end of the course the participants will have acquired detailed knowledge of and extensive hands-on experience in:

- modeling dynamic consumption behavior in OLG-GE models,
- modeling dynamic production behavior in OLG-GE models,
- modeling forward-looking expectations,
- modeling tax and social security systems,
- building the database for such models,
- introducing complicated population dynamics and population aging
- implementing the model on the computer using GAMS,
- formulating scenarios and running policy simulations,
- reporting and interpreting the results.

AUDIENCE

The course uses a practical and very intensive approach to model building. The participants will actually build the model. EcoMod step-by-step with guidance from the instructors: from small to large scale and from simple to complex structure. The participants will acquire extensive practical hands-on experience in building a complex, large-scale model. This will allow them to easily implement the first version of their own model using the GAMS codes of EcoMod.

FEES

The fee for the course is US\$4145.00. This includes course materials (including a free course license of GAMS for two months), lectures, computer labs, morning and afternoon coffee breaks, receptions. University students and staff get a discount of 25 percent off the regular fee. Please send a copy of your student or staff card by email to office@ecomod.net. A discount of \$500 is offered on the regular fee, and \$400 on the university fee for registrations and payments completed six weeks before the start of the course.

REGISTRATION

For registration and further information, please contact Patricia MacNeil (office@EcoMod.net), or visit www.ecomod.net

THE ECOMOD DIFFERENCE

EcoMod School offers the world's leading professional training programs in general equilibrium, macroeconomic and financial modeling.

- Public programs are offered three times a year - in Asia, Europe and America.
- Custom programs are individually tailored to suit specific institutional needs.

ACTIVE LEARNING MODEL

The EcoMod learning model is an active process. Intensive hands-on sessions offer a step-by-step approach to learning modeling and software. Participants benefit from individual guidance from expert instructors.

DECADES OF EXPERIENCE

EcoMod School is at the forefront of the ever evolving practice of policy modeling. All our faculty have extensive practical experience as leaders of modeling departments in major institutions, software developers, prominent academics, advisors to governments and business. The Head of the Modeling Division of the IMF, and the Head of the Econometric Modeling Unit of the European Commission are members of our faculty.

PROFESSIONAL NETWORK

EcoMod School has the largest alumni network of modelers in the world with members from more than 160 countries and 1400 institutions. Participants from international and national institutions, central banks, government agencies, universities, companies, and individual economists have benefitted from our intensive hands-on courses

