

EcoMod School of Modeling and Data Science

Dynamic Stochastic General Equilibrium (DSGE) Modeling Step-By-Step



COURSE OBJECTIVES

This course is tailored for professionals involved in economic forecasting and policy analysis in the central banks, ministries, research organizations, and international institutions. The course will introduce all the basic tools for constructing and implementing dynamic stochastic general equilibrium (DSGE) models for policy analysis and forecasting. By the end of the course the participants will have acquired detailed knowledge of and hands-on experience in:

- the use of MATLAB,
- the use of DYNARE
- the structure of DSGE models,
- preparing the database for DSGE models,
- estimating and calibrating DSGE models,
- introducing stochastic shocks,
- introducing imperfect competition,
- introducing price and wage rigidities,
- implementing the model using MATLAB and DYNARE,
- numerical solution methods,
- impulse response functions,
- formulating scenarios and running policy simulations,
- reporting and interpreting the results.

FEES

The fee for the course is US\$4145.00 This includes course materials, 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. Institutional group rates are available for two or more persons attending during the same course period.

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.
- Online courses accept registrations at any time
- 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.

