



MACROECONOMIC MODELLING FOR SUSTAINABLE DEVELOPMENT PLANNING



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Call for Applications

Announcement in Brief

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| <u>Type</u> | : | Short Term Course |
| <u>Programme Area</u> | : | Macroeconomic |
| <u>Beginning of the course</u> | : | 7 July 2020 |
| <u>Duration</u> | : | 6 Weeks |
| <u>Language</u> | : | Bilingual (English - French) |
| <u>Location</u> | : | Web Based E-Learning |
| <u>Fee</u> | : | No Fee |
| <u>Application Deadline</u> | : | 28 June 2020 |
| <u>Specific target audience</u> | : | No |
| <u>Website</u> | : | http://services.unidep.org/e-idep/ |
| <u>Applications</u> | : | https://www.unidep.org/?apply |

PROGRAM RATIONALE

The rebirth of development planning in Africa means that policymakers now need to adopt a holistic approach when designing social and economic policies. This is also valid for the implementation of agenda 2030 as there are interlinkages between the targets of Sustainable Development Goals (SDGs). In this framework, macroeconomic modelling is an important tool for decision making as it aims to represent the linkages between different macroeconomic variables in order to answer crucial questions relating, for instance, to the impact of particular policy measures or economic shocks on growth. Furthermore, macroeconomic modelling can be helpful to simulate shocks on the achievement of SDGs. Apprehending the methods and tools of macroeconomic modelling is thus essential for African policymakers and economists for sustainable development.

Economic models broadly speaking vary in terms of their theoretical foundations and/or objectives. They are characterized by:

- (i) the way they describe macroeconomic equilibrium in each market and
- (ii) the way they describe economic behaviours (investment, consumption etc.).

More precisely, models offer a simplified vision of the functioning of an economy via a quantitative analysis and they aim to predict the evolution of macroeconomic variables.

It is therefore important that policymakers understand recent developments in the area of macroeconomic modelling and their implications for the construction of economic models which can efficiently address key policy issues in the specific context of the implementation of agenda 2030.

LEARNING OBJECTIVES

The goal is to enable participants learn about how economic models are built and to use models to enquire and answer questions regarding how shocks affect the economy. This course aims to develop participants understanding and use of different models in the analysis of national economies and its sectors. Topics will typically include development of models and the interpretation of results. The emphasis throughout is on familiarizing participants with the practical application of multi-sectoral modelling techniques to address important issues in development economics and policy analysis in the framework of the implementation of Agenda 2030.

CONTENT AND STRUCTURE

The course consists of the following modules:

Module 1 : Macroeconomic Modelling - Types, Structures and Model Specification

- Module 2** : Policy Modeling with Macroeconometric Models - Simulations and Interpretation of Results
- Module 3** : General equilibrium modelling I
- Module 4** : General equilibrium modeling II
- Module 5** : African Economies and the SDGs; Data and Modelling challenges and opportunities in Africa

METHODOLOGY

This self-paced course will be delivered from 7 July to 14 August. The course will be moderated asynchronously on a weekly basis and participants are required to participate in the weekly on-line discussions. In addition, each module has interactive lessons that provide the core content around the topic for that module. The lessons are designed in a way that learners are also able to self-assess their understanding through built-in quizzes. Additional resources such as bibliographies, web links and optional readings are provided for participants who wish to deepen their knowledge of the course topic.

TARGET AUDIENCE

The target participants are as follows:

- Middle and senior level policy officials and managers directly connected with macroeconomic policy issues, designing models for planning, monitoring and evaluating macroeconomic policies in their countries;
- Officials of national statistical agencies with a professional interest and involvement in macroeconomic modelling.

ADDITIONAL INFORMATION

Acceptance to the Course

Applicants to the course are expected to have, as a minimum, a bachelor's degree preferably where courses related to statistics, planning, project management and monitoring project evaluation. In addition, two years of work experience will be required. Women candidates are also strongly encouraged to apply.

Until the registration deadline, participants are accepted to the course on a rolling basis and subject to availability of slots.

Applications must be completed exclusively on IDEP online application platform at <https://www.unidep.org/?apply>

Certificate of Completion

A Certificate of Completion will be issued by IDEP to all participants who successfully complete the course-related self-assessments presented for each module.

Technical Requirements

Access to internet is an essential condition for participation. The following specifications, as a minimum in terms of hardware and software, are required to take this e-Learning course, please consult your Network Administrator or Systems person to ensure that you have the following:

- Platform: Windows 95, 98, 2000, NT, ME, XP or superior; Mac OS 9 or Mac OS X; Linux
- Hardware: 64 MB of RAM, 1 GB of free disk space
- Software:
 - Adobe Acrobat Reader
 - Adobe Flash Player
 - Microsoft Office (Windows or Mac) or Open Office
 - Browser: Internet Explorer 7 or higher or Firefox 36 or higher
- Modem: 56 K
- Note that JavaScript, Cookies and Pop-ups must be enabled

CONTACT INFORMATION

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