



# Institute for Capacity Development (ICD)

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## Quantitative Techniques for Macroeconomic Analysis and Management

### Course Objectives

On completion of the course participants should be able to:

- Design economy wide and sectoral models
- Perform simulation and sectoral analysis
- Identify economic problems and model them using appropriate methodology
- Perform Policy analysis and formulation based on quantitative results
- Perform macro-econometric forecasting and feed it into policy making
- Analyse policy outcomes

### Target Group

- Economists
- Statisticians
- Economic policy planners
- Senior Managers in Government
- Economic policy Analysts
- Development Officers
- Programme Officers

### Course Outline

- Management skills principles and practices
- Economic fundamentals and Macroeconomic objectives
- Understanding the evolution of economic problems
- Identification of economic problems
- Addressing economic challenges
- Government economic policy formulation
- Policy formulation and analysis
- Steps, Models and Tools for Economic policy Process Analysis
- The Use of Economic policy Process Analysis
- Quantitative Techniques for economic analysis
- Input Output Analysis
- Econometric Methodology
- Multivariate Regression estimation
- Estimation Problems and Diagnostics
- Designing sectoral behavioral and simulation models
- Economic Simulations and Forecasting
- Forecasting and Policy Relevance in Economic Planning
- Macroeconomic Policy Projections and Simulations
- Forecasting Techniques
- Forecasting in Excel
- Forecasting and policy Management
- Policy Management and evaluation
- Use and application of SPSS in policy evaluation

- Economic management action planning
- Action Planning

Dates: 17<sup>th</sup> – 28<sup>th</sup> July 2017

Duration: 2 Weeks

Course Costs: US\$3450

Venue: Windhoek, Namibia