Tax Policy Analysis and Economic Modeling Training Course

Professional Development Training Course Outline

Category	Taxation and Revenue	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Tax Policy Analysis and Economic Modeling is a comprehensive training course designed to equip participants with analytical skills and practical insights to evaluate tax policies, assess their economic implications, and model fiscal outcomes. Tax Policy Analysis and Economic Modeling Training Course explores the dynamic interaction between taxation, government revenue, and macroeconomic performance, focusing on how tax structures influence investment, consumption, and income distribution. Participants will learn to apply advanced economic modeling techniques to simulate policy impacts, optimize tax systems, and enhance fiscal sustainability.

Through this course, learners will gain hands-on experience in using analytical tools and data-driven models to predict tax policy outcomes and support evidence-based decision-making. By blending theoretical frameworks with real-world applications, the program enables professionals to develop robust tax analysis and forecasting skills critical for advising governments, financial institutions, and international organizations.

Programme Curriculum

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Course Objectives

1. Understand the fundamental principles of tax policy design and reform.
2. Evaluate the economic implications of different taxation systems.
3. Develop skills in quantitative and qualitative tax policy analysis.
4. Apply economic modeling techniques to simulate fiscal policy outcomes.
5. Interpret and forecast revenue performance using macroeconomic models.
6. Analyze the equity and efficiency effects of tax policy interventions.
7. Use empirical data to evaluate tax incidence and behavioral responses.
8. Understand the linkages between taxation, economic growth, and inequality.
9. Learn to conduct microsimulation and computable general equilibrium (CGE) modeling.
10. Assess the fiscal sustainability and budgetary impact of tax reforms.
11. Communicate technical tax policy findings effectively to decision-makers.
12. Integrate global best practices in tax policy formulation and evaluation.
13. Strengthen analytical and policy advisory capabilities in taxation and public finance.

Organizational Benefits

- Enhanced institutional capacity in evidence-based tax policy formulation.
- Improved understanding of the macroeconomic impact of fiscal measures.
- Ability to assess and forecast government revenue with higher accuracy.
- Strengthened policy planning through advanced economic modeling skills.
- Better evaluation of tax efficiency, fairness, and sustainability.
- Increased competency in advising on tax reforms and fiscal adjustments.
- Improved coordination between fiscal policy units and revenue authorities.
- Empowered staff to provide analytical input into national budget processes.
- Alignment of organizational strategies with global tax policy trends.
- Enhanced credibility in regional and international fiscal policy discussions.

Target Audience

- Tax policy analysts and economists
- Fiscal and budget officers
- Revenue authority professionals
- Economists in ministries of finance or planning
- Researchers and academic professionals in public finance
- Policy advisors and government consultants
- Professionals in international development organizations
- Financial analysts working in macroeconomic policy divisions

Course Duration: 5 Days

Course Modules

Module 1: Introduction to Tax Policy and Economic Analysis

- Fundamentals of tax policy design and objectives
- Overview of fiscal policy and economic development
- Key indicators in taxation and economic modeling
- Relationship between taxation, equity, and efficiency
- Policy challenges in developing and emerging economies
- *Case Study:* Comparative tax policy analysis across OECD and developing countries

Module 2: Principles of Economic Modeling in Tax Policy

- Understanding economic models and their applications
- Linear and non-linear modeling frameworks
- Parameter estimation and model calibration
- Data requirements for policy simulation
- Model interpretation and validation techniques
- *Case Study:* Developing a simple tax revenue projection model

Module 3: Tax Revenue Forecasting and Elasticity Analysis

- Techniques for revenue forecasting
- Estimating tax buoyancy and elasticity
- Short- and long-run revenue estimation methods
- Use of time-series and regression analysis
- Sensitivity and scenario analysis in forecasting
- *Case Study:* Revenue forecasting for VAT and income tax

Module 4: Microsimulation Modeling of Tax Reforms

- Introduction to microsimulation techniques
- Designing household and firm-level simulations
- Evaluating distributional and welfare impacts
- Assessing behavioral responses to tax changes
- Policy calibration and scenario comparisons
- *Case Study:* Modeling personal income tax reform outcomes

Module 5: Macroeconomic and CGE Modeling Applications

- Overview of Computable General Equilibrium (CGE) models
- Structure and components of CGE models
- Integrating fiscal policy into macroeconomic models
- Simulating economic impacts of tax reforms
- Interpreting model results for policy guidance
- *Case Study:* CGE simulation of corporate tax reduction effects

Module 6: International Tax Policy and Global Trends

- Analysis of international taxation frameworks
- Digital economy taxation and BEPS (Base Erosion and Profit Shifting)
- Transfer pricing and tax competition challenges
- Global minimum tax and cross-border fiscal coordination
- Role of international organizations in tax policy reform

- *Case Study:* Economic impact analysis of global minimum tax implementation

Module 7: Fiscal Policy Evaluation and Sustainability Analysis

- Measuring fiscal multipliers and sustainability ratios
- Debt dynamics and long-term fiscal projections
- Linking tax policy to sustainable development goals (SDGs)
- Evaluating efficiency and fairness in taxation
- Integrating environmental and green tax models
- *Case Study:* Fiscal sustainability analysis in a middle-income economy

Module 8: Communicating and Presenting Tax Policy Results

- Structuring analytical reports and policy briefs
- Visualizing modeling results for non-technical audiences
- Using dashboards and visualization tools in analysis
- Best practices in policy recommendation writing
- Ethical considerations and data transparency in fiscal modeling
- *Case Study:* Presentation of a tax policy impact report to a finance committee

Training Methodology

- Instructor-led interactive sessions and discussions
- Practical hands-on exercises using real-world data
- Case studies drawn from international and national tax systems
- Group modeling simulations and policy scenario analysis
- Use of statistical and economic modeling software (e.g., Excel, Stata, EViews, GAMS)
- Continuous feedback and knowledge sharing among participants
- Presentation of participant-developed policy models

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.com or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to FINESKILL TRAINING CENTER account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
07 Sep 2026	11 Sep 2026	Physical	$1,500
14 Sep 2026	18 Sep 2026	Physical	$1,500
21 Sep 2026	25 Sep 2026	Physical	$1,500
28 Sep 2026	02 Oct 2026	Physical	$1,500
05 Oct 2026	09 Oct 2026	Physical	$1,500
12 Oct 2026	16 Oct 2026	Physical	$1,500
19 Oct 2026	23 Oct 2026	Physical	$1,500
26 Oct 2026	30 Oct 2026	Physical	$1,500

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Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com