



ONLINE

SOCIAL PROTECTION

E-LEARNING ON ACTUARIAL MODELING FOR SOCIAL PROTECTION ANALYSTS

3 OCTOBER – 18 NOVEMBER 2022

 7 WEEKS, 100 HRS



E-LEARNING ON ACTUARIAL MODELING FOR SOCIAL PROTECTION ANALYSTS

OVERVIEW

SNAPSHOT OF THE COURSE

National public pension systems are designed to sustain income security and prevent poverty, and in most countries redistribute funds which are a significant portion of the national GDP. Efficient governance supported by sound quantitative studies can make a lasting difference to the long-term sustainability of these systems. Given the uncertainty of future events and the complex interrelated nature of pension systems, projection methods and models are crucial for empowering policy-makers in design and monitoring. The aim of this course is to enhance the capacity of participants to use projection methods, develop actuarial models and build their own country-specific model based on the generic model of the ILO.



ONLINE

ITCILO E-CAMPUS



DATES

**3 OCTOBER –
18 NOVEMBER 2022**



COLLABORATIVE LEARNING
ONLINE RESOURCES



LANGUAGES
ENGLISH



APPLICATION DEADLINE

16 SEPTEMBER 2022

WHAT

WHAT TOPICS DOES THIS COURSE COVER?

- **Module A:** Social protection framework: the context of the actuarial work in social protection at the national and international level
- **Module B:** National projection: Demographic projection, labour force and employment projection and economic projection
- **Module C:** Scheme-specific projection: Social security data analysis, scheme-specific past experience review and assumptions, and modeling scheme-specific projections
- **Module D:** Validating and interpreting projection: Projection consistency and validation, interpretation of scheme-specific results and long-term sustainability and financing strategies

WHAT WILL I BE ABLE TO DO?

- Increase your **technical knowledge and expertise** on social protection financing methods and actuarial modelling needed for the effective design, management and monitoring of social protection system;
- Learn how modelling can be used to project **future social protection expenditure and revenues**;
- Utilize knowledge on **actuarial methodologies and models**;
- Understand better and participate more actively in the **actuarial and financial planning** of social protection systems.

WHY

WHY SHOULD I JOIN?

- Put learning into practice through an **Integrated Applied Exercise** focused on the development of a country-specific actuarial model

- Participants join and interact with a **diverse network of professionals** engaging in issues of impact assessment of social protection
- The course uses a **mix of training methods**: lectures, plenary discussions, good practices, case studies, group work, and individual exercises.
- Take a step towards achieving the **ITCILO Diploma for Social Protection**, a new accreditation for the next generation of social protection practitioners.



This course is one of four eligible courses for the **Diploma For Social Protection Analysts**. To achieve the Diploma, successful candidates must complete three of four courses within a five year period, and undertake a capstone assessment.

WHO

WHO TAKES THIS COURSE?

The course is designed for technical officials responsible for financial planning and monitoring of pension schemes. This includes quantitative specialists (such as economists, actuaries, statisticians, mathematicians, computer programmers, accountants and financial managers) of social security organization administration staff, government finance and treasury departments, departments responsible for social protection and pension fund regulators and supervisors.

Important requirement: All participants must have full command of Excel and Visual Basic.

HOW

The course consists of a number of online modules offered through the eCampus online platform to be completed over a period of seven weeks for an estimated total of 100 learning hours.

- **Pre-course:** Flexible (asynchronous) self-guided online learning on eCampus and an end of phase assessment.
- **'Real time' learning:** Live interactive sessions and engaging video presentations by highly experienced trainers, blended with individual and collaborative group exercises, peer-to-peer assessment and online technical forums on eCampus.
- **End of course assignment:** Individual assignment applying cutting-edge technical knowledge to the participants' organization. Participants who successfully complete all assessments and the final assignment will receive a Certificate of Achievement.

HOW TO APPLY

Find the application form at <https://oarf2.itsilo.org/DST/A9714702/en> and apply before **16 September 2022**.

PRICE

Total: **1,510 Euros**

LEARN DIFFERENTLY

Innovative training methodologies and integrated use of digital learning technology

JOIN A GLOBAL COMMUNITY

Join a virtual community of social protection practitioners from across the world to share knowledge and experiences

CERTIFICATE OF ACHIEVEMENT

Successful participants will be awarded an ITCILO Certificate of Achievement



SCAN THE QR CODE
OR VISIT

bit.ly/3euWg5s

INFO

FOR FURTHER INFORMATION
PLEASE CONTACT

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