



SOCIAL PROTECTION

# ACTUARIAL MODELING FOR SOCIAL PROTECTION ANALYSTS

16 – 27 NOVEMBER 2020  
TURIN, ITALY



# 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.



PLACE  
**TURIN, ITALY**



DATES  
**16 – 27 NOVEMBER 2020**



COLLABORATIVE LEARNING  
**ONLINE RESOURCES**



LANGUAGES  
**ENGLISH**



APPLICATION DEADLINE  
**30 OCTOBER 2019**

## 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.



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

## 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

## 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 100 total hours of learning, broken up into three phases.

- **Pre-course** (10 hours): Self-guided study through the online eCampus platform. Includes a pre-course assessment.
- **Residential week** (80 hours): 10-days of intensive training at the ITCILO in Turin, including developing an individual presentation.
- **Post-course assignment** (10 hours): Individual assignment applying learning from the course to a national context.

## HOW TO APPLY

Find the application form at [bit.ly/33eiGkB](https://bit.ly/33eiGkB) and apply before **30 October 2020**

## PRICE

Tuition: €2,395

Subsistence: €1,400

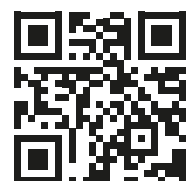
Total: €3,795

### CAMPUS LIFE

The green campus with modern training facilities makes a unique space for learning

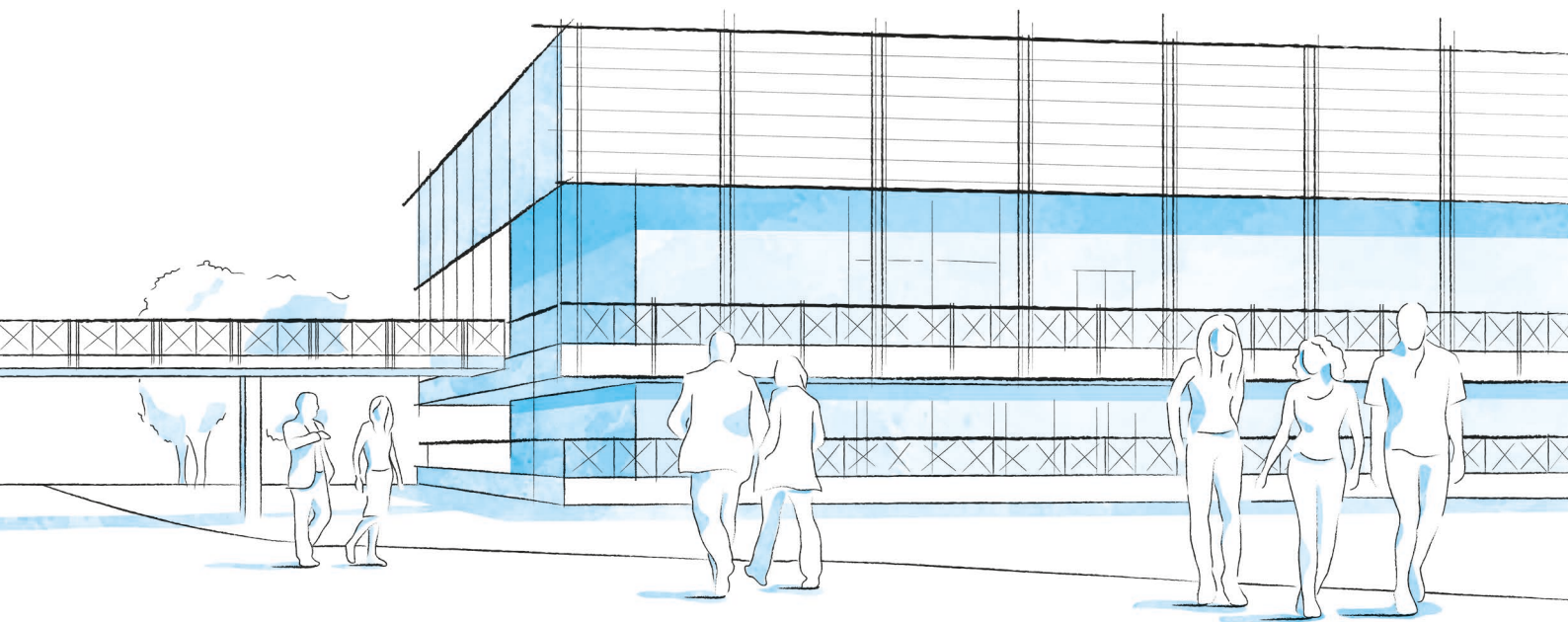
### LEARN DIFFERENTLY

Innovative training methodologies and integrated use of digital learning technology



SCAN THE QR CODE  
OR VISIT

[bit.ly/2IMJ9hB](https://bit.ly/2IMJ9hB)



## CAMPUS LIFE

### A THRIVING UNITED NATIONS CAMPUS AND COMMUNITY OF PROFESSIONAL PEOPLE FROM AROUND THE WORLD

- **Three organizations** from the United Nations system on campus
- **More than 300 training courses** and activities in a stimulating international environment
- **Thousands of participants** from all over the world

### ENVIRONMENT AND SURROUNDINGS

#### **Grab a campus bicycle and explore the Turin Centre.**

Located in a leafy park on the banks of the Po River, it's a great place for study and collaboration. Experience innovative learning and training methods in modern classrooms equipped with simultaneous translation services.

### HOUSING, DINING, AND MORE

Comprising more than 280 private dormitories, the **Turin Campus provides a broad range of services for course participants and partners** including a free-flow restaurant, bank, travel agency, laundromat, post office, gym, medical services and a reception desk open 24/7.

### COMMUNITY ENGAGEMENT AND DIVERSITY

**Participants can enjoy social events organized by the Turin Centre** as well as by their course facilitators.

Whether on or off campus, people from different cultural backgrounds have the opportunity to listen to live music together, cook and share traditional foods, or team up to play games and network.

## INFO

### FOR FURTHER INFORMATION PLEASE CONTACT

#### **International Training Centre of the ILO**

Programme on Social Protection,  
Governance and Tripartism (SPGT)  
Viale Maestri del Lavoro, 10  
10127 Turin – Italy

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[www.itcilo.org](http://www.itcilo.org)

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