

INTENSIVE PROGRAMME ADVANCED TOPICS IN RISK MANAGEMENT (6 ECTS)

11 March - 22 March 2024
University of Economics in Katowice (Poland)

COURSE OUTLINE

A CALCULATION OF CAPITAL REQUIREMENTS FOR THE PORTFOLIO

About the topic

The concept of risk is one of the key concepts in modern finance as every transaction can be seen as buying and selling risk. The financial crisis resulted in number of regulatory requirements for capital that each financial company has to hold in case the default of its counterparties, effectively limiting the amount of risk a company can take. There are a various ways to calculate such losses from which the most challenging and interesting is calculation with internally developed models.

This exercise would focus on credit risk modelling. Tough credit risk term is most commonly used in the world of loans and mortgages, it also arises from failing in meeting the obligation by a counterparty in the derivatives market. To be able to estimate the possible losses in each trade, one would have to understand and model not only the probability of a counterparty default but also the exposure of the relevant instrument.

This workshops aims to build a front-to-back understanding of the expected loss calculation process. Workshop will be centered around modelling of all the relevant components for a provided derivatives. The case was designed in cooperation with industry business partner – UBS.

Didactic concept

This intensive program offers you the opportunity to deepen your knowledge of credit risk modelling in an international teams under the supervision of business professionals. After the presentation of the business case you and your team would have two weeks to work on the problem with a presentation of results at the last day.

Additionally during the first week of the workshop you will be offered lectures and tutorials by both academic and business professionals. The topics will cover the default probability modelling, derivatives pricing and statistical tools used for modelling.

About UBS

From gaining new experiences in different roles to acquiring fresh knowledge and skills – at UBS we believe that you should never stop growing and learning because life never stops teaching.

UBS works with individuals, families, institutions, and corporations around the world to help answer some of life's questions – whether through award winning wealth management

advisory, investment banking and asset management expertise, or private and corporate banking services in Switzerland. In June 2023, Credit Suisse became a UBS Group company.

We have a presence in all major financial centers in more than 50 countries. Although we all come from different backgrounds and specializations, two things unite us: the conviction that we're stronger together, and the will and curiosity to constantly innovate. That's the key to us unlocking our full potential (and what we look for in everyone who joins us). It's also why we're regularly recognized as an attractive employer (<https://www.ubs.com/awards>).

VENUE

University of Economics in Katowice

Faculty of Finance

1 Maja Street 50, 40-287 Katowice

WHO CAN APPLY?

You can apply to participate in the Intensive Programme if you are enrolled in one of the following master programmes:

- University of Applied Sciences bfi Vienna
Master Programme: Quantitative Asset and Risk Management (ARIMA)
- University of Bologna
Master Programme: Quantitative Finance (QF)
- University of Economics in Katowice
Master Programme: Quantitative Asset and Risk Management (ARIMA)
- Alexandru Ioan Cuza University of Iași
Master Programme: Finance and Risk Management (FRM)

COSTS

Your participation in the Intensive Programme “Advanced Topics” is free of charge. Travel and subsistence costs must be covered by the student.

APPLICATION

Application deadline: **30 November 2023**

Application process

A maximum of five students from each involved university can participate in the Intensive Programme. Participants will be selected by their home institution on the basis of their motivation letter (25%), English language skills (25%) and previous academic track record (50%).

Please send your documents to: ewa.dziwok@ue.katowice.pl

CONTACT

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