
wir843 - Financial Risk Management

Module label

Modulkürzel

Credit points

Workload

Verwendbarkeit des Moduls

Financial Risk Management

wir843

6.0 KP

180 h

- Master Applied Economics and Data Science (Master) > Specialization
- Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule AFT - BWL
- Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL
- Lehrenden, Die im Modul (Prüfungsberechtigt)
- Prokop, Jörg (module responsibility)

Zuständige Personen

Prerequisites

Skills to be acquired in this module

The aim of the course is to provide students with a thorough knowledge of how to identify, classify, measure, and manage different types of financial business risks. In particular, we will discuss the properties and potential applications of derivatives in financial risk management. Upon completion of this module students

- will have a sound understanding of the concept of risk management, and will be able to distinguish different types of financial risks and risk management approaches;
- will be able to devise hedging strategies, arbitrage strategies, and speculative strategies using financial derivatives such as futures contracts, forward contracts, options, and swaps;
- will be able to consistently apply valuation models to determine theoretical prices of financial derivatives.
- will be able to assess limitations of financial derivatives in risk management.

Module contents

The course provides insights into the theory and practice of modern financial business risk management, including:

- the concept of risk, types of financial risks, and approaches to risk measurement;
- the mechanics of financial markets, including derivatives markets;
- the properties of selected financial instruments, including financial derivatives such as forwards, futures, options, and swaps;
- tools and techniques for managing financial risks.

Literatureempfehlungen

Highly recommended readings:

- John C. Hull, Options, Futures, And Other Derivatives, current edition, Pearson.
 - Aswath Damodaran, Strategic Risk Taking: A Framework For Risk Management, Pearson 2008.
- Optional readings:
- John C. Hull, Risk Management and Financial Institutions, latest edition, Pearson.
 - John C. Hull, Fundamentals of Futures and Options Markets, latest edition, Pearson.

Further readings may be announced during the course.

Links

Language of instruction

Duration (semesters)

Module frequency

Module capacity

Type of module

Module level

Teaching/Learning method

English

1 Semester

halbjährlich

unlimited

Wahlpflicht / Elective

MM (Mastermodul / Master module)

2 VL oder 1 VL und 1 Ü

Examination

Final exam of module

Prüfungszeiten

typically at the end of the semester; potential mid-term examination dates will be announced in the first session

Type of examination

1 term paper (Hausarbeit) or 1 written exam (Klausur) or 1 oral exam (mündliche Prüfung) or 1 Portfolio

Lehrveranstaltungsform

Lecture (ggf. mit Übung)

SWS	4
Frequency	--
Workload Präsenzzeit	56 h