## Module: Financial Risk Management

**Faculty II**

**Subject:**
- Course of study/ degree: Master WIRE
- Emphases: Auditing, Finance, Taxation
- Section: Business Administration
- Module reference number: wir843
- Title: Financial Risk Management
- Duration: 1 semester
- Cycle: Annual
- Type of module: Elective
- Level: Master’s
- This module should be taken in: 2nd semester
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- Duration: 1 semester
- Cycle: Annual
- Type of module: Elective
- Level: Master’s
- This module should be taken in: 2nd semester
- Type of program: 2 VL, or 1 VL and 1 U
- Language of program: English
- Attainable credit-points: 6
- Workload: 180 hours
- Required attendance: 56 hours

**Person responsible for the programme:**

**Person responsible for this module:** Prof. Dr. Jörg Prokop

**Examiners**

**Alternative person(s) responsible for this module**

### Objective of the module/skills:

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 – such as forwards, futures, options, and swaps – 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 have a sound understanding of the mechanics of financial markets, in particular derivatives markets;
- will be able to assess the uses and limitations of financial derivatives in risk management.

### Content of the module:

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.

### Suggested reading:

Highly recommended readings:

Optional readings:

Further readings may be announced during the course.

### Comments:

**Weblink:**
http://www.uni-oldenburg.de/fiwi_bbl/

**Prerequisites for admission:**

**Helpful previous knowledge:**

The course is intended for master’s students with an interest in Finance, basic knowledge in microeconomics, mathematics and statistics/econometrics, and good working knowledge of a spreadsheet program, such as Microsoft Excel. Prior knowledge in financial derivatives is not required.

Please note that the course is conceptually challenging and requires greater use of mathematical formulae than many other courses in the MA WIRE program.

**Associated with the module(s):**

**Maximum number of students / selection criteria:**

**Type of examinations:** 1 term paper (Hausarbeit) or 1 written exam (Klausur) or 1 oral exam (mündliche Prüfung) or 1 Portfolio Examination periods: typically at the end of the semester; potential mid-term examination dates will be announced in the first session

**Registration procedure:** via Stud.IP

**Weblink for additional information:**