### Module Information

**wir843 - Financial Risk Management**

<table>
<thead>
<tr>
<th>Module label</th>
<th>Financial Risk Management</th>
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<tbody>
<tr>
<td>Module code</td>
<td>wir843</td>
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<tr>
<td>Credit points</td>
<td>6.0 KP</td>
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<td>Workload</td>
<td>180 h</td>
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**Used in course of study**

- Master's Programme Business Administration, Economics and Law > Schwerpunkt "Auditing, Finance, Taxation" (AFT)
- Master's Programme Business Informatics > Module der Wirtschafts- und Rechtswissenschaften (Master)

**Contact person**

- Module responsibility
  - Jörg Prokop
- Authorized examiners
  - Die im Modul Lehrenden

**Entry requirements**

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.

**Skills to be acquired in this 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.

**Module contents**

- 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.

**Reader's advisory**

Highly recommended readings:

- Further readings may be announced during the course.

**Links**

- Language of instruction: English
- Duration (semesters): 1 Semester
- Module frequency: halbjährlich
- Module capacity: unlimited
- Modulart: je nach Studiengang Pflicht oder Wahlpflicht
- Lern-/Lehrform / Type of program: 2 lectures or 1 lecture and 1 seminar

**Examination**

- Time of examination: 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

**Course type**

- Lecture (ggf. mit Übung)

**SWS**

- 4.00

**Frequency**

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**Workload attendance**

- 56 h