Hier vind je de beschrijvingen van de vakken in de minor. Meer inhoudelijke informatie over de minor vind je op minor.vu.nl.
Inhoudsopgave

| Vak: A Big Risk Experience (Periode 3) | 1 |
| Vak: Behavioral Finance and Real Estate (Periode 2) | 1 |
| Vak: New Developments in Risk Management (Periode 2) | 2 |
| Vak: Risk Management for Financial Institutions (Periode 1) | 4 |
| Vak: Risk Management in Banking (Periode 1) | 5 |
A Big Risk Experience

<table>
<thead>
<tr>
<th>Vakcode</th>
<th>E_EBE3_BRE ()</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periode</td>
<td>Periode 3</td>
</tr>
<tr>
<td>Credits</td>
<td>6.0</td>
</tr>
<tr>
<td>Voertaal</td>
<td>Engels</td>
</tr>
<tr>
<td>Faculteit</td>
<td>School of Business and Economics</td>
</tr>
<tr>
<td>Coördinator</td>
<td>M.J. Hopman</td>
</tr>
<tr>
<td>Examinator</td>
<td>M.J. Hopman</td>
</tr>
<tr>
<td>Lesmethode(n)</td>
<td>Hoorcollege</td>
</tr>
<tr>
<td>Niveau</td>
<td>300</td>
</tr>
</tbody>
</table>

**Doel vak**
This is the practical course in the minor Risk Management for Financial Institutions (RMFI). The objective is to experience a real risk management challenge or problem in a Financial Institution. In a group of students you will be working on a practical problem regarding risk management. Your group will write a report and give a presentation.

**Inhoud vak**
After the gained knowledge in the four RM courses, it is time to experience risk management in practice. There will be several topics regarding risk available where financial institutions has to deal with. With your group (2-4 students) you will identify, monitor and assess the problem. Depending on the underlying request of the institution you will analyse and find an answer to the problem. Your group will be guided by an risk expert from a financial institution. You will visit and or working at a financial institution on this assignment.

**Onderwijsvorm**
Kick-off meeting, guidance of experienced risk expert. 4 weeks full practical research, 2 weeks preparation for presentation and report

**Toetsvorm**
Written report and presentation

**Literatuur**
Not applicable

**Vereiste voorkennis**
There is no formal entrance requirement for the Deloitte minor RM except for VWO Wiskunde A (or B).

**Aanbevolen voorkennis**
A basic course in quantitative methods and/or statistics is strongly recommended

**Doelgroep**
The Deloitte minor RMFI is for students from all bachelor programmes (with some exceptions, see the admission criteria below) who want to acquire familiarity with Risk Management and Financial Institutions.

Behavioral Finance and Real Estate
Doel vak
The aims of the course are to understand:
- how people are subject to distortions or biases in their beliefs and have preferences that are not understood in a normatively acceptable framework;
- how behavioral biases affect the decisions of participants in real estate markets;
- how the bounded rationality of market participants can explain the dynamics of real estate markets.

Inhoud vak
This course provides a behavioral perspective on real estate decision making and markets. In particular, students learn how behavioral biases affect the decisions of participants in real estate markets, and how the bounded rationality of market participants can explain real estate market dynamics. The course starts with a general introduction into the psychology of decision making. The second part provides a psychological perspective on property valuations, negotiation outcomes, and mortgage choices. The last part of the course considers the efficiency and dynamics of real estate markets, with a special focus on bubbles and crashes.

Onderwijsvorm
Lectures (2 times 3 hours per week)

Toetsvorm
Written exam (80%) and assignment (20%)

Literatuur
- Selected articles (to be announced).

Doelgroep
This course is part of the Minor Real Estate Economics and Finance.

New Developments in Risk Management
Doel vak
This course offers a comprehensive introduction to new developments in Risk Management and how this impacts the risk management of financial institutions. The course is structured in 6 parts, covering the most interesting new developments:
1. Cybercrime;
2. Forensic;
3. Risk Management and Big Data;
4. Crisis Management;
5. Machine Learning and Robotics;

All six parts of the course are closely knitted to the learning goals of Quantitative skills, Academic skills, Bridging theory and practice. You will enlarge your horizon and learn to think forward.

By the end of the course students should be able to (for each part):
- Explain how the new developments impacts the financial institutions;
- Illustrate what the consequences are for financial institutions;
- Analyse and motivate why these risks need to be mitigate;
- Develop possible solutions (plan of approach) to mitigate these risks;
- Create a view on future developments regarding these new developments.

Inhoud vak
Technology causes new developments in Risk Management. In the recent years it is accelerating and the regular financial institutions have to deal with it. This course will cover the most important developments, such as cybercrime, forensic research (to give more insight in e.g. anti-money laundering and terroristic financial transactions). What are FinTech’s and what are the risks of FinTech’s (both for the FinTech itself and the financial environment?). What are the possibilities of “Big Data”? How can we use this data to improve risk management? What are the pitfalls of Big data and how can we still see the big picture? You will also gain a good view on crisis management in financial institutions. You will also be able to interpret and discuss the failure of financial institutions. How can you manage recovery and/or a decent wind down (resolution) without bathering the economic environment and taxpayer? Upon completion you will be able to outline a good overview of new developments, the risks and how you can deal with these challenges. This course will be supported by Deloitte specialists.

Onderwijsvorm
Interactive lectures and Tutorials

Toetsvorm
Final written exam (Individual assessment) and assignments.

Literatuur
To be defined and announced via Canvas.
Vereiste voorkennis
There is no formal entry requirement for the Deloitte minor Risk Management except for VWO Wiskunde A (or B). Students should have followed Risk Management in Banking and Risk Management for Financial Institutions (offered in period 1)

Aanbevolen voorkennis
Finance I; Accounting I; A basic course in quantitative methods and/or statistics is strongly recommended

Doelgroep
The Deloitte minor RMFI is for students from all bachelor programmes (with some exceptions, see the admission criteria) who want to acquire familiarity with Risk Management and Financial Institutions.

Risk Management for Financial Institutions

<table>
<thead>
<tr>
<th>Vakcode</th>
<th>E_EBE3_RMFI ()</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periode</td>
<td>Periode 1</td>
</tr>
<tr>
<td>Credits</td>
<td>6.0</td>
</tr>
<tr>
<td>Voertaal</td>
<td>Engels</td>
</tr>
<tr>
<td>Faculteit</td>
<td>School of Business and Economics</td>
</tr>
<tr>
<td>Coördinator</td>
<td>M.J. Hopman</td>
</tr>
<tr>
<td>Examinator</td>
<td>M.J. Hopman</td>
</tr>
<tr>
<td>Lesmethode(n)</td>
<td>Hoorcollege, Werkgroep</td>
</tr>
<tr>
<td>Niveau</td>
<td>300</td>
</tr>
</tbody>
</table>

Doel vak
This course offers a comprehensive introduction in Risk Management and especially related to financial institutions like insurance companies, pension funds and asset managers. This course will be supported with Deloitte experts. This course is structured in 6 parts, covering the fundamentals how these institutions work and to what risk types they are exposed:
- Part 1 (three weeks) : Insurance companies;
- Part 2 (two weeks): Pension funds;
- Part 3 (one week): Asset managers.

The course consists of the following topics regarding each part/different financial institution:
- 1. The working and business model;
- 2. Supervision and regulation;
- 3. Different risk types: Credit Risk, Market Risk and Operational Risk, Interest Rate Risk and Liquidity Risk;
- 4. Strategic and integrated risk management.

All parts and topics of the course are closely knitted to the learning goals of Quantitative skills, Academic skills, Bridging theory and practice. You will learn to think as a risk manager and will be challenged to have a holistic view.

By the end of the course students should be able to:
- Explain and analyse the working of these financial institutions and their business models;
- Outline and interpret regulation and the impact on these financial
institutions;
- Explain, analyse and evaluate the different risk types;
- Identify and apply different risk measure techniques;
- Create and discuss a view on integrated risk management.

Inhoud vak
You will learn the fundamentals of Financial Institutions (Insurance companies, Asset Managers and Pension Funds), and the working of these institutions in the financial markets. What are the risks where these institutions have to deal with? How can you identify, monitor and report the different risk types? How are they aligned with each other and, last but not least, how can you manage these risks with all this knowledge? The course will also focus on how you manage an Insurance company with regard to capital. How can you optimize your capital and is there a future for Insurance companies? Pensions are nowadays a actual and political topic. This course will elaborate on the complexity and possibilities of Pension funds. Upon completion you will be challenged to have a broader view on the issues and you will have more background for the actual discussions.

Onderwijsvorm
Interactive lectures and Tutorials

Toetsvorm
Final written exam (Individual assessment) and assignments.

Literatuur

Additional readings might be announced on Canvas.

Vereiste voorkennis
There is no formal entrance requirement for the Deloitte minor Risk Management except for VWO Wiskunde A (or B).

Aanbevolen voorkennis
Finance I, Accounting I, A basic course in quantitative methods and/or statistics is strongly recommended.

Doelgroep
The Deloitte minor RMFI is for students from all bachelor programmes (with some exceptions, see the admission criteria) who want to acquire familiarity with Risk Management and Financial Institutions.

Risk Management in Banking

<table>
<thead>
<tr>
<th>Vakcode</th>
<th>E_EBE3_RMB ()</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periode</td>
<td>Periode 1</td>
</tr>
<tr>
<td>Credits</td>
<td>6.0</td>
</tr>
<tr>
<td>Voertaal</td>
<td>Engels</td>
</tr>
<tr>
<td>Faculteit</td>
<td>School of Business and Economics</td>
</tr>
<tr>
<td>Coördinator</td>
<td>M.J. Hopman</td>
</tr>
</tbody>
</table>
Doel vak
This course offers a comprehensive introduction in Risk Management and especially related to the banking sector. This course is structured in six parts, covering the fundamentals how a bank works and to what risk types they are exposed:
1. The working of banks and the different business models;
2. Supervision and banking regulation;
3. Different risk types: Credit Risk, Market Risk and Operational Risk;
4. Different risk types: Interest Rate Risk and Liquidity Risk;
5. Integrated Risk Management and Stress Testing;

All six parts of the course are closely knitted to the learning goals of Quantitative skills, Academic skills, Bridging theory and practice. You will learn to think as a risk manager and will be challenged to have a holistic view.

Upon successful completion of the course students are able to:
- Explain and analyse the working of bank and the business models;
- Outline and interpret regulation and the impact on banks;
- Explain, analyse and evaluate the different risk types;
- Identify and apply different risk measure techniques;
- Create and discuss a view on integrated risk management and uncertainty.

Inhoud vak
You will learn the fundamentals of banking and the working of banks in the financial markets. What are the risks where the banks have to deal with? How can you identify, monitor and report the different risk types? How are they aligned with each other, and last but not least, how can you manage these risks with all this knowledge? The course will cover balance sheet management and the impact on the business model. How can you optimize your balance sheet and develop a sustainable business model taking all the risks into account. You will be able to interpret banking regulation and have a good view on the supervisory authorities. Upon completion you will be challenged to have a holistic view on risk management and discussions will take place regarding instability and uncertainty.

Onderwijsvorm
Interactive lectures and Tutorials

Toetsvorm
Final written exam (Individual assessment) and assignments.

Literatuur

Additional readings might be announced on Canvas.
Vereiste voorkennis
There is no formal entrance requirement for the Deloitte minor RM except for VWO Wiskunde A (or B).

Aanbevolen voorkennis
Finance I; Accounting I; A basic course in quantitative methods and/or statistics is strongly recommended.

Doelgroep
The Deloitte minor RISK is for students from all bachelor programmes (with some exceptions, see the admission criteria below) who want to acquire familiarity with Risk Management and Financial Institutions.