

General Information:

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|---------------------------------|---------------------------|
| Module number: | CRM |
| Title (dt.): | Commodity Risk Management |
| Title (en.): | Commodity Risk Management |
| Module level: | MSc |
| Abbreviation: | CRM |
| Subtitle: | - |
| Duration: | One semester |
| Occurrence - summer/winter: | Winter |
| Occurrence - regular/irregular: | Regular |
| Language: | English |
| Credits: | 4 |
| Specialization: | |
| Date: | |
| Location: | Augsburg (University) |
| FIM-exclusivity: | No |

Workload:

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|-------------------|-----|
| Contact hours: | 60 |
| Self-study hours: | 60 |
| Total hours: | 120 |

Achievement and assessment methods:

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| Description of achievement and assessment methods: | <p>Assessment of learning achievements is conducted with a written exam. In the exam, students have to show that they are able to apply methods from financial mathematics to evaluate prices of commodity derivatives such as commodity futures and commodity options doing calculations. With calculations and questions in text form, students have to demonstrate that they are able to analyze and develop hedging strategies. Supporting material is a standard calculator.</p> |
| Type of assessment: | Written |
| Duration of assessment (min): | 60 |
| Assessment retake: | Next semester |

Description:

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|-----------------------------|--|
| (Recommended) prerequisites | Basic finance knowledge |
| Content: | <p>Definitions of resource management and general necessity of risk management, with a special focus on resource risk management; characteristics of commodity trading; management of commodity risks; basics of commodity option pricing</p> |
| Intended learning outcomes: | <p>After successful completion, students are able to understand international commodity markets. They are able to apply methods from financial mathematics to evaluate prices of commodity futures and commodity options. Using these products, they are also able to develop strategies to hedge against risks emerging from changes in commodity prices.</p> |

Teaching and learning methods:

Lectures with beamer presentation and additional notes by the lecturer; exercise sheets for preparation at home and practice groups (about 20-25 students) for presentation and discussion of the solution

Media:

Powerpoint, board

Reading list:

Steiner, M./Bruns, C.: Wertpapiermanagement, Stuttgart: Schäffer-Poeschel, 2007; Geman, H. (2005): Commodities and commodity derivatives, Chichester: John Wiley & Sons

Responsible for module:

First name:

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Lecturer:

1. Lecturer:

First name:

Andreas, Prof. Dr.

Name:

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Courses:

1. Course:

Type:

Lecture

Name:

Commodity Risk Management

Weekly hours per semester:

2

2. Course:

Type:

Practice group

Name:

Commodity Risk Management

Weekly hours per semester:

2

(Recommended) audience:

1. Program:

Name:

MSc Wirtschaftsingenieur

2. Program:

Name:

MSc Finance and Information Management (FIM)

3. Program:

Name:

4. Program:

Name:

5. Program:

Name: