

Module title		Abbreviation
Risk Management - Methods and Models		12-RM-MM-072-mo1
Module coordinator		Module offered by
holder of the Chair of Business Management and Accounting		Faculty of Management and Economics
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
<p>Description: Students will become familiar with the basic principles of stochastic models and stochastic analysis in risk management. The Six Sigma developed in industrial statistics is used for orientation within the topic of risk analysis: identify risks, measure risks, identify risk status on the basis of measurements, improve risk status through measures to monitor risk status. The required steps are presented and discussed with reference to the preceding course "RMZ 1 - Risikomanagement" ("RMZ 1 - Risk Management"). Operational exercises are carried out with the statistical analysis package Statistica</p> <p>Outline of syllabus:</p> <ol style="list-style-type: none"> 1. The Six Sigma Scheme for risk analysis 2. Risk measurement 3. Risk analysis, determination of risk status 4. Stochastic aid for measures to improve risk status 5. Monitoring of risk status 		
Intended learning outcomes		
<p>The course has three goals:</p> <ol style="list-style-type: none"> 1. Participants will receive a structured overview of the stochastic methods of risk management. 2. Participants will be able to adequately assess the potential and the obviousness of stochastic methods in the context of Risk Management. 3. Participants have the basics of operationalization stochastic methods. 		
Courses (type, number of weekly contact hours, language — if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> • 12-RM-MM-1-072: V (no information on SWS (weekly contact hours) and course language available) • 12-RM-MM-2-072: V (no information on SWS (weekly contact hours) and course language available) 		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p>Assessment in module component 12-RM-MM-1-072: Stochastic Models for Risk Analysis</p> <ul style="list-style-type: none"> • 2 ECTS, Method of grading: numerical grade • written examination (60 minutes) <p>Assessment in module component 12-RM-MM-2-072: Financial Reporting and Risk Management</p> <ul style="list-style-type: none"> • 3 ECTS, Method of grading: numerical grade 		

- written examination (60 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Business Information Systems (2007)

Master's degree (1 major) Business Information Systems (2010)