

Module title		Abbreviation
Decision Theory		12-I&F-F-242-m01
Module coordinator		Module offered by
Holder of the Chair of Corporate Finance		Faculty of Business 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>Based on the decision theory under certainty, this module covers normative decision theory under uncertainty in its manifestations of the expected utility theory and the $\mu - \#$ theory.</p> <p>Syllabus:</p> <p>Part 1: Decisions under certainty</p> <ol style="list-style-type: none"> 1. Fisher mode 2. Revealed preferences 3. Preference relations <p>Part 2: Decisions under uncertainty: Expected Utility Theory</p> <ol style="list-style-type: none"> 1. The basic model 1. Risk preferences 2. Intensity of risk aversion 3. Stochastic dominance 4. Prospect Theory <p>Part 3: Decisions under uncertainty: $\mu - \#$ principle</p> <ol style="list-style-type: none"> 1. Introduction 2. Relation to expected utility theory 3. Application in Portfolio Theory & Tobin-Separation 4. Properties 		
Intended learning outcomes		
The students acquire knowledge about how to describe appropriate decision situations and how to solve them based on the learned concepts.		
Courses (type, number of weekly contact hours, language — if other than German)		
V (2) + Ü (2) Module taught in: German and/or English		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
written examination (approx. 60 minutes) Language of assessment: German and/or English creditable for bonus		
Allocation of places		
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Additional information		
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Workload
150 h
Teaching cycle
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Referred to in LPO I (examination regulations for teaching-degree programmes)
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Module appears in
Bachelor' degree (1 major) Business Information Systems (2024) Bachelor' degree (1 major) Economathematics (2024) Bachelor' degree (1 major) Business Management and Economics (2024) Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2024)
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