Professor	Prof. Dr. Bernhard Nietert	
Contact	nietert@wiwi.uni-marburg.de	
ECTS	6	
Examination	Final exam (60 minutes)	
Course description and learning objec- tives	The lecture gives an introduction into no arbitrage theory under cer- tainty, portfolio selection, CAPM, and hedging.	
Course outline	 Investment Analysis under Certainty Motivation Arbitrage Theory under Certainty Introductory Example Introductory Example Arbitrage Theory (under Certainty) Investment Analysis on Imperfect Markets Taxes Transaction Costs Portfolio Selection Bond Portfolio Selection: Duration Underlying Decision Problem Underlying Decision Problem Analysis of the Wealth Change, i.e., Materialization of Interest Rate Risk in the Outcome Introduction to Duration-Based Bond Portfolio Selection Advanced Duration-Based Bond Portfolio Management Evaluation of Duration-Based Bond Portfolio Management Evaluation of Duration-Based Bond Portfolio Management Trade-off between Risk and Opportunities: μ-σ-preferences and Maximum Principle of Efficiency μ-σ-efficient Portfolios of Risky Assets (Markowitz Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markowitz Tobin Diversification) μ-σ-efficient Portfolios of Risky and Riskless Assets (Markow	

		4.1.1 Overview of Types of Classical Derivatives
		4.1.2 Further Institutional Details on Selected Derivatives
		4.2 Implementation Hedging
		4.2.1 Perfect Hedge
		4.2.2 Cross Hedge
Selected	Refe-	 Lecture notes
rences		 Cochrane, J. H. (2005): "Asset Pricing", revised edition, Princeton 200
		 Copeland, T. W., Weston, J. F., and Shastri, K. (2005): "Financial Theory and Corporate Policy", 4th edition, Boston et al. 2005
		 Hull, J. C. (2014): "Options, Futures, and Other Derivatives", 9th edition, Upper Saddle River 2014