Module	Futures and Options		
Area of study/Profile	Quantitative methods, BWL		
Recommended semester	Second year	Mandatory/elective	Elective
Instructor	Dr. Ernst August von Hammerstein	Work load	120 hours
ECTS (credit points)	6	Contact hours (SWS)	2+2
Course type	Lecture + Tutorial	Language	English
Rotation	Every winter semester		
Requirements	Principles of Finance		
Learning/ qualification target	Introduction to basic principles of risk-neutral valuation of futures, standard and exotic options as well as interest rate derivatives.		
Content	This course covers an introduction to financial markets and products. Besides futures and standard put and call options of European and American type we also discuss interest-rate sensitive instruments such as swaps. For the valuation of financial derivatives we first introduce financial models in discrete time as the Cox-Ross-Rubinstein model and explain basic principles of risk-neutral valuation. Finally, we will discuss the famous Black-Scholes model which represents a continuous time model for option pricing.		
Module title	Futures and Options		
Examination type	120 min. written examination at the end of the semester		
	Chance, D.M., Brooks, R.: <i>An Introduction to Derivatives and Risk Management</i> , 8 th ed., South-Western, 2009.		
Literature	Hull, J.C.: Options, Futures, and other Derivatives, 7 th ed., Prentice Hall, 2009.		
	Bielecki, T.R.; Rutkowski, M., Credit Risk: Modeling, Valuation and Hedging, Springer, 2002.		
	Strong, R.A.: <i>Derivatives. An Introduction</i> , 2 nd ed., South-Western, 2004.		
Additional information & links	Course outlines, dates, and further information can be found on the webpage of the department: http://www.finance.uni-freiburg.de/		

The course can be credited for the account:

x M.Sc. VWL (alte PO)
x M.Sc. VWL (neue PO)
hier im **Spezialisierungsbereich** Accounting, Finance and Taxation

x M.Sc. in Economics

in the **Profile** Finance