BW33: Financial and Insurance Economics				Study Programme:	B
Module Type:	**ECTS Credits:**	**Workload:**	**Study Semester:**	**Module Duration:**	
Optional	12	360	5.	one semester	

Courses (HPW=hours per week):	**Contact hours:**	**Indepen-dent study:**	**Planned Group Size:**
Course 1: Financial and Insurance Economics	45h	135h	40
Course 2: Financial and Insurance Economics - Tutorial	45h	135h	40

Intended Learning Outcomes (ILOs):

By the end of the module, students will be able to

- explain and model risks that are faced in the financial and insurance industry
- evaluate and question different risk measures and differentiate between systematic and unsystematic risk
- apply common models of financial equilibrium to price assets (esp. CAPM and APT)
- apply option price models (esp. Black-Scholes-Model)
- analyze the effects of asymmetric information on the demand and supply of insurance products

Key competencies:

- Academic research and writing
- Critical thinking
- Analytical skills
- Willingness to learn and accomplish
- Expressiveness (oral and written)

Description/Contents:

Course 1:

1. Introduction to R
2. Economic Basics
3. Insurance Economics
4. Efficient Market Hypothesis
5. Construction of Financial Markets
6. Portfolio Theory
7. Financial Equilibrium
8. Derivatives

Course 2: Tutorial

Language:

The language of the module is German.

Teaching Methods:

Lectures, self-study.
Module Applicability:
B.Sc. Business Administration; B.Sc. Economics
Pre-requisites/Requirements:
Advanced knowledge in statistics and econometrics is recommended.
Examination Types:
Comprehensive examination in the form of a written exam at the end of the winter semester (90 min).
Requirements for Award of Credit Points:
Successful participation in the exam. The exam will be passed if the grade is at least „sufficient“ (4,0).
Availability:
The module will be offered generally each winter term.
Assessment:
This course will be graded and is part of the calculation for the overall grade of your bachelor degree. Particular information concerning the calculation of the overall grade can be gathered in the respective examination regulations.
Person Responsible and Main Lecturer:
Dr. Daniel Brunner
Module Version

State: 28.11.2022