

Announcement SoSe 2025

Lecture in Mathematical Finance

Financial Econometrics (FIM)

Prof. Dr. Marcos Escobar-Anel

Area: / Modulnr.: FIM / MA9976

Course Structure: Lecture: 2h Exercises: 1h

Content: This course is an intensive introduction to topics within financial econometrics. The course starts with a review of basic statistics, including sampling distributions, estimation techniques, and test of hypotheses. Generalized linear regression and GARCH models are studied with applications on financial data. The emphasis will be on developing and applying regression-based techniques with GARCH residuals in both cross-sectional and time-series contexts. Their usefulness will also be examined in the light of current financial studies.

Audience: MSc Finance & Information Management

Literature: **Greene, W.H. (2008):** Econometric Analysis, 6th ed., New York: Prentice Hall.
Additional Reading:
Carol Alexander (2008): Market Risk Analysis: Quantitative Methods in Finance (Market Risk Analysis), Wiley; Har/Cdr edition.

Certificate: Written or oral examination, 6 CP

Location/Time: Riskfactory 2.02.03 / May 12 – 17, 2025