RUPRECHT-KARLS-UNIVERSITÄT HEIDELBERG
ALFRED-WEBER-INSTITUT FÜR
WIRTSCHAFTSWISSENSCHAFTEN
Dr. Matthias Hartmann

Summer term 2015

Macroeconometrics

Lecture	Mi	16:00	18:00	AWI 01.030, Bergheimer Str. 58
Tutorial (& EViews Tutorial)	Do	14:00	16:00	AWI 01.030, Bergheimer Str. 58 bzw. PC-Pool I, Bergheimer Str. 58

Start date: Wednesday, 15. April 2015

Requirements:

This lecture can be credited as a *wirtschaftswissenschaftliches Wahlmodul* for the B.Sc.-programme Economics (Political Economy) or for the *Vertiefungsfächer* Econometrics or Theoretical Statistics in the Diplom-VWL-programme.

Commentary:

The aim of the course is to introduce students to core topics in the uni- and multivariate modeling and prediction of macroeconomic time series. The focus will be on the proactive application of empirical methods by the course participants. In this way, the lecture topics will be accompanied by methodological and empirical exercises, where the latter are implemented by means of the *EViews* software package.

Course content:

1. Macroeconomic Time Series
2. Survey data: Survey of Professional Forecasters (FED and EZB)
3. Modeling Trends, Seasonality and Cycles
4. Dynamic Regression Models
5. Vektor-Autoregressive Models
6. Stochastic Trends and Cointegration
7. Volatility

Course language: German

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• http://www.uni-heidelberg.de/fakultaeten/wiso/awi/professuren/empwirtfor

Literature:

Diebold, F. X. (2007). *Elements of Forecasting.* Thomson South-Western.
Enders, W. (1995). *Applied Econometric Time Series.* Wiley.
Stock, J. H. und M. W. Watson (2011). *Introduction to Econometrics*, Pearson International Edition.
Tsay, R. S. (2005). *Analysis of Financial Time Series.* Wiley.