



RUPRECHT-KARLS-UNIVERSITÄT HEIDELBERG
ALFRED-WEBER-INSTITUT FÜR
WIRTSCHAFTSWISSENSCHAFTEN
Prof. Christian Conrad

Summer Term 2021

Macroeconometrics

Lecture	Tue	11:00 am	01:00 pm	Videos / Online Q&A Sessions
Tutorial	Wed	04:00 pm	06:00 pm	Videos / Online Q&A Sessions

This course will be held online. The lecture starts on April 13. The lectures and tutorials will be held live online via Zoom. Details are available on the Moodle course page. For registration in Moodle, use the password “MakroOek2021”.

Description:

Central banks, governments, financial institutions and households base many of their decisions on forecasts of macroeconomic variables. The construction and evaluation of forecasts is thus a key ingredient of decision-making. The lecture provides an introduction to the modern econometric techniques used for modelling and forecasting macroeconomic time series such as GDP growth, inflation or unemployment rates. The lecture will be accompanied by methodological and empirical exercise sessions using the Software EViews.

Contents:

1. Macroeconomic Time Series
2. Survey Data
3. Trend-Cycle Decompositions
4. Dynamic Regression Models
5. Vector-Autoregressions
6. Stochastic Trends and Cointegration
7. Volatility

Transcript of records:

Your grade for this course will be determined in a final exam but you can earn extra credit by completing homework assignments.

Prerequisites:

Course participants should have completed the lecture “Empirische Wirtschaftsforschung”.

Course language:

German

Literature:

- Bjørnland, H.C., Thorsrud, L.A. (2015). Applied Time Series for Macroeconomics. Gyldendal Akademisk.
- Castle, J., Clements, M., Hendry, D. (2019). Forecasting: An Essential Introduction. Yale University Press.
- Diebold, F.X. (2007). Elements of Forecasting. Thomson South-Western.
- Diebold, F.X. (2017). Forecasting. Department of Economics, University of Pennsylvania.
- Enders, W. (2014). Applied Econometric Time Series. Wiley.
- Ghysels, E., Marcellino, M. (2018). Applied Economic Forecasting using Time Series Methods. Oxford University Press.
- Hurn, S., Martin, V.L., Phillips, P.C.B., Yu, J. (2020). Financial Econometric Modelling. Oxford University Press.
- Stock, J.H., Watson, M.W. (2014). Introduction to Econometrics. Pearson International Edition.