ECON0022
Econometrics for Macro and Finance Syllabus

Autumn 2020

Lecturer: Dennis Kristensen <d.kristensen@ucl.ac.uk>.
Student Support Hours: Thu 11:00-12:00 and 16:00-17:00

Prerequisites
Students must have passed ECON0019 (Quantitative Economics and Econometrics) in the previous year.

Course Description
The aim is to introduce students to econometric techniques used in the analysis of macroeconomic and financial data. The first part of the course will focus on macroeconomic applications and use dynamic linear regression techniques to make causal inference and do forecasting of macroeconomic variables. The second part will consider financial applications and introduce some basic asset pricing models and volatility models used in finance; the econometric methods required in order to take these models to data are covered.

While the course will focus on applications, econometric models and techniques will be used throughout. A good understanding of statistics and econometrics is therefore required in order to do well in this course.

By the end of the course, students will have learned how to apply standard econometric techniques to answer quantitative questions in macroeconomics and finance.

Students will also learn how to conduct empirical analysis using the econometric software package STATA.

Method of Instruction
The instruction will be a mix of video recordings, quizzes, problem sets and live sessions. More details will be made available on the course Moodle page at the beginning of Term 1.

Problem sets will be given out weekly throughout the term. These will involve both theoretical exercises and empirical analysis with the use of an econometric software package. Students are encouraged to use the STATA software package which is available on the UCL computing network.

The final mark will be based on the following two components:

- 20% empirical project during the term (posted week 9, due week 10).

- 80% 2-hour written examination in Term 3.