



B3. New Techniques for New Challenges. Empirical Methods for Business Cycle Research

Working Language: English

Course Description

The current economic situation has created a new set of challenges for academics and practitioners who are continuously asked for answers about how and when this recession will finish and if this recession could have been forecasted or not. With this type of questions in mind, we review different econometric techniques and their performance on the current situation. The orientation of the course is mainly applied. We will cover theoretical econometric issues but only with the intention of providing the necessary background to confront the data. The course, including the programming part in GAUSS (interested students can translate during the course into MATLAB) is designed to be self-contained requiring just a minimum knowledge of statistics and econometrics.

Programme

1. Linear filters for unobserved components.
2. Non linear filters. Markov switching models. Threshold and Smooth Threshold models
3. Forecasting, nowcasting and real time forecasting.
4. New techniques for the measurement of business cycle features

Instructor

Gabriel Pérez Quirós (Banco de España)

Ph. D. in Economics (U. de California San Diego, 1996) He has published in *American Economic Review*, *Journal of Econometrics*, *Journal of Finance*, etc.

Time

June 22-23, 16:00 to 20:15

Venue

Universidad Carlos III de Madrid, Campus de Getafe

Calle Madrid, 126

Edificio 11 Luis Vives

Aula 11.0.03

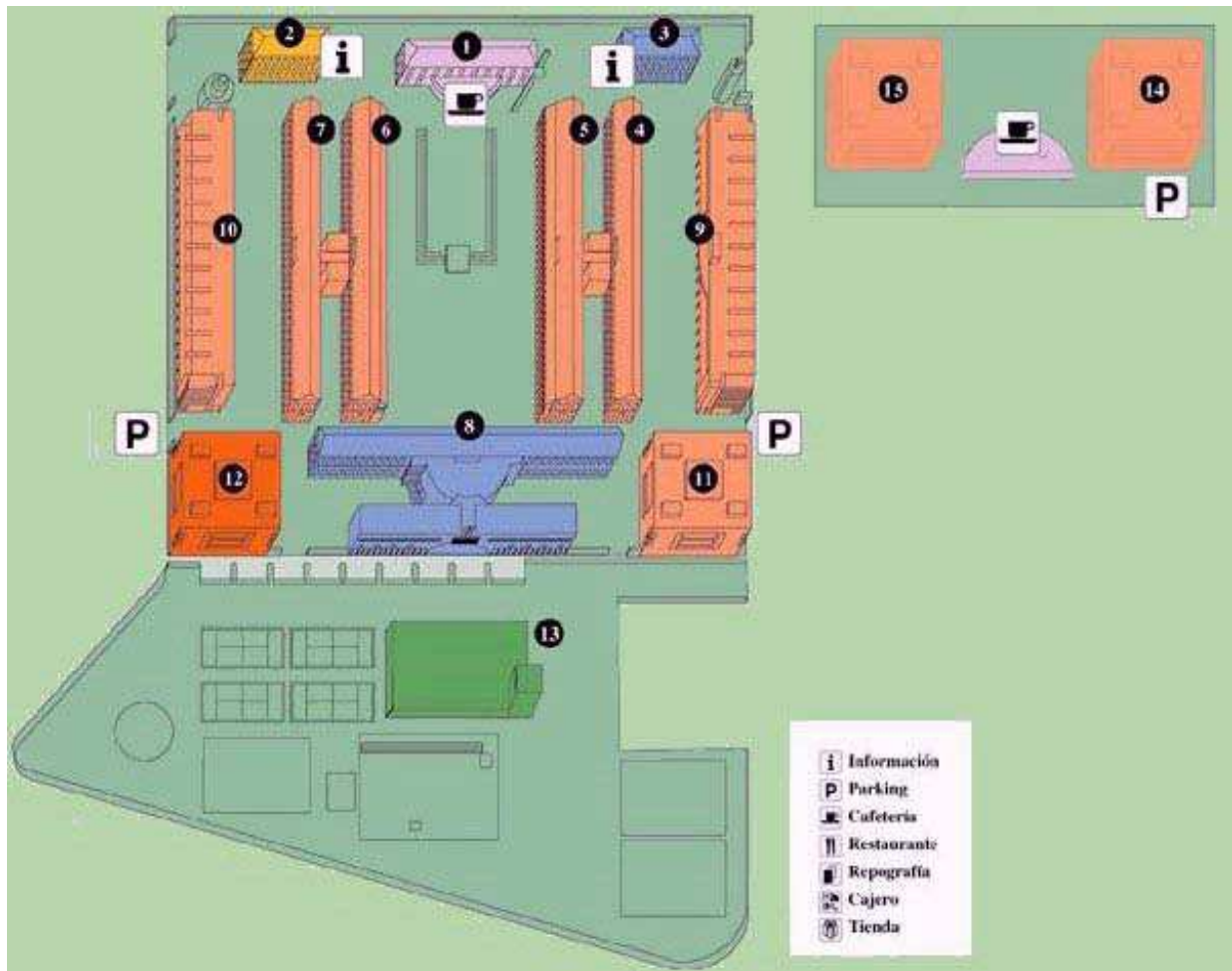
[Map](#) (at the end of the document)

Length

8 hours



Map of Universidad Carlos III, Getafe Campus



More information: <http://turan.uc3m.es/uc3m/gral/IG/CA/situaget.html>