

# MASTER OF SCIENCE IN WEALTH MANAGEMENT

## MAÎTRISE UNIVERSITAIRE EN GESTION DE PATRIMOINE

### MICROECONOMETRICS (S403103)

Prof. Stefan SPERLICH

6 ECTS

Semester: Spring

Teaching language: English

### Description

Microeconometrics is a methodology for studying micro data, i.e., economic information about individuals, households or firms. Today, Microeconometrics splits in two parts: qualitative and limited dependent responses, respectively structural equation systems or panel data econometrics; in this course we focus on the first

- The first part deals with the econometric methodology used to model qualitative or discrete variables.
- The second part is devoted to structural equation systems
- For the first two topics we will intensively discuss (a) the idea of latent variable models (b) the likelihood estimation for exponential families
- Finally we consider duration models

Applications with real data are developed in the seminar using Gretl, R or STATA software. The seminar is part of the course. It is compulsory. The course is of use to advanced students in economics, in statistics as well as in social sciences, interested in empirical research.

### Assessment

Written exam