**Course programme academic year 2014-2015**
*(preliminary)*

**Compulsory courses**
These are in 3 blocks, with the background course on Mathematics starting on 26 August, and the courses on Statistics and Econometrics and on Microeconomics starting on 8 September [see September schedule] and then twice a week until the middle of February 2015 (going into the second term). The Macroeconomics module will start in the second block (in November) and will continue until the middle of April. Each block is followed by exams, which will take place in the weeks of 20 October (block I), 15 December (block II) and 16 February (block III) while the Macro block III exams will take place in the second week of April.

**Mathematics**
Antonio Villanacci

**Background course in Probability and Statistics**
Reinhard Ellwanger

**Statistics and Econometrics**
1. Andrea Ichino
2. Juan Dolado
3. Peter Hansen

**Macroeconomics**
1. Arpad Abraham
2. Ramon Marimon
3. Evi Pappa

**Microeconomics**
1. Matthias Messner
2. Matthias Sutter
3. Andrea Mattozzi

*Compulsory for first-year research students.* For the compulsory courses, there are additional exercise classes by Teaching Assistants.

**Advanced Courses**
During the first and second year, students are required to pass two advanced courses in each of the three fields (Econometrics, Macroeconomics and Microeconomics) to be chosen with the agreement of the supervisor/advisor, plus 2 additional advanced courses, chosen freely, for a total of 8 courses. They must pass at least two advanced courses during the first year to be considered for promotion to the second year. Any remaining advanced course requirement will need to be fulfilled in the second year.

**Advanced courses (for 2nd year students only)**

**Fabio Canova**, “Calibration and Structural Estimation of Macroeconometric Models” workshops of three days each, between September and November

**David Levine** 1: “Learning and Evolution in Games”; 2: “Political Economy and State Power” (Micro)

**Ramon Marimon**, “Expectations and Learning in Macroeconomics and Finance” (Macro/Micro: half-credit)

**Jérome Adda**, Methods for writing a PhD thesis
Half-credit courses
Christian Bayer, “Macroeconomics of Uncertainty Shocks” (half-credit)
Facundo Piguillem (IEFE Rome) “Stochastic Dynamic Programing with complete and incomplete markets”
Nora Traum, “Nonlinear Solution and Estimation Techniques”

Advanced block 1 (23 February – 1 April – exams in week of 7 April)
Macroeconomics
Arpad Abraham, “Optimal Taxation and Private Information”

Econometrics
Peter Hansen, “Model Selection and Multiple Testing, with applications to Forecasting”

Econometrics or Macroeconomics
Juan Dolado, “Topics in Applied Macro and Labour”

Half-credit courses
Eric Brousseau/Jean-Michel Glachant (Florence School of Regulation), “Economics of Governance and Regulation” (Micro)
Aranzazu Crespo, “Advanced International Trade” (Macro)
Andrea Galeotti, “The Economics of Networks” (Micro)
Antonio Villar, “Inequality, poverty and welfare” (Micro)

Advanced block 2 (13 April – 15 May – exams in week of 25 May)
Macroeconomics
Evi Pappa, “International Macroeconomics”

Microeconomics
Andrea Mattozzi, “Topics in Political Economy”

Econometrics
Andrea Ichino, “the Problem of Causality”

Macroeconomics or Microeconomics
Piero Gottardi, “Topics on Financial Economics”

Half-credit courses
Ylenia Brilli, “Simulation-based econometric methods” (Econometrics)
Martin Dumav, “Topics in Decision Theory” (Micro)
Bernard Hoekman (Robert Schuman Centre), “Global Economics”
Rody Manuelli, “Investment and Financial Frictions”
Ramon Marimon, “Fiscal and Monetary Policy and Institutions: Reassessing the Eurozone Macroeconomic Framework” (Macro)

Eugenia Vella (Jean Monnet Fellow), Economics for non-economists: Macroeconomics