Syllabus of the course: Macroeconomics

M2 Economic Analysis

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The aim of the course is (i) to give an overview of the main theories of growth and (ii) to provide the students with the technical tools needed to study dynamic macroeconomic models. The course is made of 4 chapters, detailed as follows:

Chapter 1 : the Solow growth model (neoclassical growth model with exogenous saving)

Complement to Chapter 1: The empirical content of the Solow growth model/empirical investigations on economic growth/growth and human capital (based on Mankiw, Romer, Weil, 1992)

Chapter 2: Optimal growth: the Ramsey growth model (neoclassical growth model with endogenous saving and infinitely lived agent)

Chapter 3: The OLG model (endogeneous saving and finitely lived agents)

Chapter 4: Endogeneous growth and technical change

Prerequisites: intermediate microeconomics and some (intermediate) mathematical skills (see the mathematical appendix at the end of Acemoglu (2009) or Barro and Sala-i-Martin (2004)

Main Bibliographic references:

Acemoglu, D. 2009. Introduction to modern Economic Growth, Princeton University Press (in particular: chap. 2, 3, 8 and 9 +math appendix)

Barro, R., and X. Sala-i-Martin, 2004. Economic Growth, 2nd Edition, MIT Press (in particular: chap 1, 2, 4 +math appendix)