

## Faculty of Economic, Social and Political Sciences



### ECON3502 Advanced Macroeconomics I

[45h] 7 credits

**Teacher(s):** Raouf Boucekkine, David De la Croix  
**Language:** English  
**Level:** Third cycle

#### Aims

The aim of the course is to give a wide-ranging survey of modern macroeconomics, so that the students are able to discern the fundamental elements of macroeconomic issues and of their formalisation.

#### Main themes

The course can start by introducing the empirical issues raised by growth and cycle theories. Next, it presents the concepts used for analysis (preferences, technology, equilibrium) and the necessary dynamic methods. This can be done within the framework of a model with infinitely living agents or within the framework of overlapping generations. Finally, a great part of the course should be devoted to show how these basic elements can be used and extended to deal with several issues, like the study of the sources of growth (endogenous growth theory), dynamical models of real business cycles under uncertainty, and the analysis of the impact of intergenerational transfers (pensions, debt, education, bequests, etc).

#### Content and teaching methods

##### Contents

Precise contents to be defined by the teacher. Here is an example of possible contents:

ch 1 (Solow model), 2 (Ramsey model), 3 (endogenous growth) and 5 (Keynesian theories), of Romer's book.

##### Method

The principle is to reach quickly an advanced level, especially for the topics that are covered in undergraduate courses.

Exercises and home works are assigned to students, and a feedback is provided during the course on their solution.

#### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites : Economics and mathematical tools at the level of an undergraduate program in economics.

Evaluation : Written or oral exam, closed book.

Support : Romer 'Advanced Macroeconomics' is an example of a reference textbook.

#### Other credits in programs

<b>ECGE3DA/EC</b>	Diplôme d'études approfondies en économie et gestion - Master(7 credits) of Arts in Economics (sciences économiques)	Mandatory
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