

# Macroeconomics with Growth

Single subject and programme course

7.5 credits

Makroekonomi med inriktning mot tillväxtteori

730A11

Valid from:

**Determined by**

The Quality Board at the Faculty of Arts  
and Sciences

**Date determined**

2010-11-23

**Revision date**

2011-11-18

**Replaced by**

730A36

## Main field of study

Economics

## Course level

Second cycle

## Advancement level

A1X

## Entry requirements

Completed Economics, basic course, 30 HE credits, Economics, continuation course, 30 HE credits, and Economics, in-depth course, 30 HE credits with at least 60 HE credits approved, or the equivalent. In addition to the above, documented knowledge in Swedish and English is required, equivalent to the general entry requirements for first-cycle studies.

## Intended learning outcomes

On completion of the course, the student should be able to:

- account for and by means of mathematical analysis methods derive relationships in central parts of the macroeconomic theory of growth.
- analyse questions regarding economic growth by means of these theories on a theoretical level.

## Course content

The following is covered in the course:

- Basic assumptions, derivations and concepts within economic growth theory. Savings, investments, capital, manpower, effectiveness of labour, steady state, saddle path and dynamic efficiency and inefficiency.
- Economic growth in the Solow model, in which savings, population and level of technology are exogenously determined.
- Economical growth in models where the size of the capital stock is determined by utility maximising households that distribute income between savings and consumption. Studied here are models in continuous time (Ramsey models), as well as so called overlapping generations models (also known as Diamond models), where the time is discrete.
- Endogenic growth models and how investments to stimulate increased research and education affect the development of the economy.
- How the level and the changes to the stock of social capital can affect the economic growth.

## Teaching and working methods

The course contains lectures. In addition to this, the student should study independently.

## Examination

The course is completed with a written examination. Furthermore, 1 or 2 degree projects should be submitted during the course. Detailed information can be found in the study guide or on the course website.

## Grades

Three-grade scale, U, G, VG

## Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus. The course is carried out in such a way that both men's and women's experience and knowledge is made visible and developed.

## Department

Institutionen för ekonomisk och industriell utveckling