



## Course and Examination Fact Sheet: Autumn Semester 2018

### 7,250: Advanced Macroeconomics I: Growth and Fluctuations

ECTS credits: 4

#### Overview examination/s

(binding regulations see below)

Decentral - Written examination (70%, 90 mins.)

Decentral - examination paper written at home (individual) (30%)

#### Attached courses

Timetable -- Language -- Lecturer

[7,250,1.00 Advanced Macroeconomics I: Growth and Fluctuations](#) -- Englisch -- [Föllmi Reto](#)

#### Course information

##### Course prerequisites

Basics in macroeconomics (Makroökonomik I, II, III), working knowledge in mathematics for economists.

##### Course content

This course provides an introduction in modern economic growth theory. It recapitulates exogenous growth models and discusses their key policy implications. It gives an overview over the mechanisms leading to endogenous growth, and provides an overview over empirical results and recent developments in the area of economic growth.

We will shed light on why long-term growth is possible or desirable and why the growth performance of countries is so different. Various methods to analyze intertemporal problems are studied: Hamiltonian, Lagrange, phase diagrams. We discuss the role of economic policy on economic growth and in particular the functioning of policies of intrinsically dynamic and long-run behavior, such as public debt or pension finance.

At the end, the students should be able to read and critically assess the modern dynamic macroeconomic literature and its empirical applications. They are further expected to master the methods analytically. Along these lines, the course shall provide the foundation to apply these tools in Independent research, e.g., the MA thesis.

##### Course structure

1. Introduction and Preliminaries
2. Neoclassical Growth. Hamiltonian and Phase Diagram Method
3. Overlapping Generations Models. Social Security and Public Debt
4. Endogenous Growth
5. Recent Developments in Economic Growth

Twelve Lectures with integrated small exercises. Two exercise sessions

##### Course literature

Main Reference:

David Romer, Advanced Macroeconomics, latest edition

Additional References:

Research articles (a list will be disseminated at the beginning of the course)

Daron Acemoglu, Introduction to Modern Economic Growth

Robert Barro and Xavier Sala-i-Martin, Economic Growth



## Additional course information

The course will take place during the first half of the semester.

## Examination information

### Examination sub part/s

#### 1. Examination sub part (1/2)

##### Examination time and form

Decentral - Written examination (70%, 90 mins.)

##### Remark

--

##### Examination-aid rule

Extended Closed Book

The use of aids is limited; any additional aids permitted are exhaustively listed under "Supplementary aids". Basically, the following is applicable:

- At such examinations, all the pocket calculators of the Texas Instruments TI-30 series and mono- or bilingual dictionaries (no subject-specific dictionaries) without hand-written notes are admissible. Any other pocket calculator models and any electronic dictionaries are inadmissible.
- In addition, any type of communication, as well as any electronic devices that can be programmed and are capable of communication such as notebooks, tablets, PDAs, mobile telephones and others, are inadmissible.
- Students are themselves responsible for the procurement of examination aids.

##### Supplementary aids

none

##### Examination languages

Question language: English

Answer language: English

---

#### 2. Examination sub part (2/2)

##### Examination time and form

Decentral - examination paper written at home (individual) (30%)

##### Remark

--

##### Examination-aid rule

Term papers

- Term papers must be written without anyone else's help and in accordance with the known quotation standards, and they must contain a declaration of authorship.
- The documentation of sources (quotations, bibliography) has to be done throughout and consistently in accordance with the APA or MLA standards. The indications of the sources of information taken over verbatim or in paraphrase (quotations) must be integrated into the text in accordance with the precepts of the applicable quotation standard, while informative and bibliographical notes must be added as footnotes (recommendations and standards can be found, for example, in METZGER, C. (2017), Lern- und Arbeitsstrategien (12th ed., Cornelsen Schweiz).
- For any work written at the HSG, the indication of the page numbers both according to the MLA and the APA standard is never optional.
- Where there are no page numbers in sources, precise references must be provided in a different way: titles of chapters or sections, section numbers, acts, scenes, verses, etc.



- For papers in law, the legal standard is recommended (by way of example, cf. FORSTMOSER, P., OGOREK R. et SCHINDLER B. (2018, Juristisches Arbeiten: Eine Anleitung für Studierende (6. Auflage), Zürich: Schulthess, or the recommendations of the Law School).

## Supplementary aids

--

## Examination languages

Question language: English

Answer language: English

---

## Examination content

All material discussed in the course plus problem sets.

## Examination relevant literature

Parts of the book covered in the course plus articles discussed in the course and in the problem sets.

### Please note

We would like to point out to you that this fact sheet has absolute priority over other information such as StudyNet, faculty members' personal databases, information provided in lectures, etc. When will the fact sheets become binding?

- Information about courses and examination time (central/decentral and grading form): from the start of the bidding process on 23 August 2018
- Information about decentral examinations (examination-aid rule, examination content, examination relevant literature): after the 4th semester week on 15 October 2018
- Information about central examinations (examination-aid rule, examination content, examination relevant literature): from the start of the enrolment period for the examinations on 05 November 2018

Please look at the fact sheet once more after these deadlines have expired.