



Course and Examination Fact Sheet: Autumn Semester 2019

7,250: Advanced Macroeconomics I: Growth and Innovation

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 Innovation](#) -- 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: Innovation and Creative Destruction

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

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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

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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

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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

Please note that this fact sheet alone is binding and has priority over any other information such as StudyNet (Canvas), personal databases or faculty members' websites and information provided in their lectures, etc.

Any possible references and links within the fact sheet to information provided by third parties are merely supplementary and informative in nature and are outside the University of St.Gallen's scope of responsibility and guarantee.

Documents and materials that have been submitted no later than the end of term time (CW51) are relevant to central examinations.

Binding nature of the fact sheet:

- Information about courses and examination time (central/decentral) and examination type starting from the beginning of the bidding on 22 August 2019
- Information about examinations (examination aid regulations, examination content, examination-relevant literature) for decentral examinations after the 4th semester week on 14 October 2019
- Information about examinations (examination aid regulations, examination content, examination-relevant literature) for central examinations as from the starting date for examination registration on 4 November 2019

Please consult the fact sheet again after these deadlines have expired.