



Course and Examination Fact Sheet: Autumn Semester 2021

10,284: Econometrics for Finance

ECTS credits: 4

Overview examination/s

(binding regulations see below)

Decentral - examination paper written at home (individual) (100%)

Examination time: term time

Attached courses

Timetable -- Language -- Lecturer

[10,284,1.00 Econometrics for Finance](#) -- Englisch -- [Söderlind Paul](#)

Course information

Course prerequisites

The course assumes prior knowledge of econometrics and finance at the Master's level.

Students who plan to take this course as an *optional* course and *without an examination* should not register via the bidding system. They should register directly with the lecturer.

Students who plan to take this course as a *regular* course or as an *optional* course *with an examination* should register via the bidding system. Enrolment in a course is binding: students have to attend the course and take the exam. The grade will be shown on the scorecard.

Learning objectives

The aim is to prepare the students for PhD courses in finance. This involves understanding both econometric theory ("why does that econometric approach not fit this financial problem?") as well as being able to implement the methods ("now, run this panel regression and interpret the results").

Course content

1. Statistics and basic OLS (testing)
2. OLS II (error structures, asymptotics and simulations)
3. Factor models and portfolio sorts
4. Panel data I (basic models, clustering)
5. Panel data II (diff-in-diff, regression discontinuity)
6. Instrumental variables and GMM

Course structure and indications of the learning and teaching design

The course contains readings, lectures and quantitative problem sets. The lectures are closely tied to the readings - and the



problem sets are designed to both deepen the understanding as well as developing skills in implementing the methods. Solutions to the problem sets will be discussed in class.

Course literature

Lecture notes (available on the course homepage)

Alternative readings (text book chapters) will be posted on Canvas

Additional course information

The problem sets can be solved in software of the student's own choice.

In the case of the President's Board having to implement new directives due to the SARS-CoV-2 pandemic in HS2021, the course information listed above will be changed as follows:

- The course is conducted online via the platform Zoom.
The examination information listed below would be changed as follows:
- There are no changes necessary to the examination information.

Examination information

Examination sub part/s

1. Examination sub part (1/1)

Examination time and form

Decentral - examination paper written at home (individual) (100%)

Examination time: term time

Remark

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Examination-aid rule

Term papers

Written work must be written without outside help according to the known citation standards, and a declaration of authorship must be attached, which is available as a template on the StudentWeb.

Documentation (quotations, bibliography, etc.) must be carried out universally and consistently according to the requirements of the chosen/specified citation standard such as e.g. APA or MLA.

The legal standard is recommended for legal work (cf. by way of example: FORSTMOSER, P., OGOREK R., SCHINDLER B., *Juristisches Arbeiten: Eine Anleitung für Studierende* (the latest edition in each case), or according to the recommendations of the Law School).

The reference sources of information (paraphrases, quotations, etc.) that has been taken over literally or in the sense of the original text must be integrated into the text in accordance with the requirements of the citation standard used. Informative and bibliographical notes must be included as footnotes (recommendations and standards e.g. in METZGER, C., *Lern- und Arbeitsstrategien* (latest edition)).

For all written work at the University of St.Gallen, the indication of page numbers is mandatory, regardless of the standard chosen. Where page numbers are missing in sources, the precise designation must be made differently: chapter or section title, section number, article, etc.

Supplementary aids

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Examination languages

Question language: English

Answer language: English

Examination content

essay (weekly individual assignment)

Examination relevant literature

Same as the course literature.

Please note

Please note that only this fact sheet and the examination schedule published at the time of bidding are binding and takes precedence over other information, such as information on StudyNet (Canvas), on lecturers' websites and information in lectures etc.

Any references and links to third-party content within the fact sheet are only of a supplementary, informative nature and lie outside the area of responsibility of the University of St.Gallen.

Documents and materials are only relevant for central examinations if they are available by the end of the lecture period (CW51) at the latest. In the case of centrally organised mid-term examinations, the documents and materials up to CW 42 are relevant for testing.

Binding nature of the fact sheets:

- Course information as well as examination date (organised centrally/decentrally) and form of examination: from bidding start in CW 34 (Thursday, 26 August 2021);
- Examination information (regulations on aids, examination contents, examination literature) for decentralised examinations: in CW 42 (Monday, 18 October 2021);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 42 (Monday, 18 October 2021);

Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: two weeks before the end of the registration period in CW 45 (Monday, 8 November 2021).