



Course and Examination Fact Sheet: Autumn Semester 2023

10,284: Econometrics for Finance

ECTS credits: 4

Overview examination/s

(binding regulations see below)

decentral - Written work, Digital, Group work individual grade (100%)

Examination time: Term time

Attached courses

Timetable -- Language -- Lecturer

[10,284,1.00 Econometrics for Finance](#) -- English -- [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.

Examination information

Examination sub part/s

1. Examination sub part (1/1)

Examination modalities

Examination type	Written work
Responsible for organisation	decentral
Examination form	Written work
Examination mode	Digital
Time of examination	Term time
Examination execution	Asynchronous
Examination location	Off Campus
Grading type	Group work individual grade
Weighting	100%
Duration	--

Examination languages

Question language: English

Answer language: English

Remark

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Examination-aid rule

Free aids provision

Basically, students are free to choose aids. Any restrictions are defined by the faculty members in charge of the examination under supplementary aids.

Supplementary aids

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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, 24 August 2023);
- Examination information (supplementary aids, examination contents, examination literature) for decentralised examinations: in CW 42 (Monday, 16 October 2023);
- Examination information (supplementary aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 45 (Monday, 06 November 2023);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: two weeks before the end of the de-registration period in CW 45 (Monday, 06 November 2023).