



Course and Examination Fact Sheet: Spring Semester 2020

10,284: Topics in Microstructure and Asset Pricing

ECTS credits: 4

Overview examination/s

(binding regulations see below)

Decentral - Written examination (50%)

Decentral - examination paper written at home (individual) (40%)

Decentral - Active participation (10%)

Attached courses

Timetable -- Language -- Lecturer

[10,284,1.00 Topics in Microstructure and Asset Pricing](#) -- Englisch -- [Foucault Thierry](#)

Course information

Course prerequisites

The students should have taken a basic course in asset pricing and know basic concepts from information economics and game theory. It will also be assumed that they know basic notions of probability theory (Bayesian calculus at a basic level).

Learning objectives

Students understand the economics of algorithmic trading, over-the-counter markets, and limit-order-markets and are able to build upon this knowledge in a report/paper.

Course content

- 1) Economics of High frequency and algorithmic trading
- 2) The role of big data and information production in financial markets
- 3) Inventory models in finance with applications to OTC market
- 4) Limit order markets

Course structure

The course is blocked and takes place within a few days.

Course literature

Thierry Foucault, Marco Pagano and Ailsa Röell: "Market Liquidity: Theory, Evidence, and Policy Implications", Oxford University Press, 2013.

Additional course information

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Examination information

Examination sub part/s



1. Examination sub part (1/3)

Examination time and form

Decentral - Written examination (50%)

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

Only a pocket calculator and a dictionary without notes may be used.

Examination languages

Question language: English

Answer language: English

2. Examination sub part (2/3)

Examination time and form

Decentral - examination paper written at home (individual) (40%)

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



3. Examination sub part (3/3)

Examination time and form

Decentral - Active participation (10%)

Remark

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Examination-aid rule

Practical examination

No examination-aid rule is necessary for such examination types. The rules and regulations of the University of St. Gallen apply in a subsidiary fashion.

Supplementary aids

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Examination languages

Question language: English

Answer language: English

Examination content

All course content on 1) Economics of High frequency and algorithmic trading, 2) The role of big data and information production in financial markets, 3) Inventory models in finance with applications to OTC markets, and 4) Limit order markets.

Examination relevant literature

Thierry Foucault, Marco Pagano and Ailsa Röell: "Market Liquidity: Theory, Evidence, and Policy Implications", Oxford University Press, 2013.

In addition, research papers may be exam relevant - if so, this literature will be made available to students by the first day of lectures.



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 (CW21) 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 23 January 2020
- Information about examinations (examination aid regulations, examination content, examination-relevant literature) for decentral examinations after the 4th semester week on 16 March 2020
- Information about examinations (examination aid regulations, examination content, examination-relevant literature) for central examinations as from the starting date for examination registration on 6 April 2020

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