



Course and Examination Fact Sheet: Spring Semester 2021

8,174: Financial Modeling Workshop: Asset Allocation

ECTS credits: 2

Overview examination/s

(binding regulations see below)

Decentral - Written examination (70%, 60 mins.)

Examination time: term time

Decentral - Group examination paper (all given the same grades) (30%)

Examination time: term time

Attached courses

Timetable -- Language -- Lecturer

[8,174,1.00 Financial Modeling Workshop: Asset Allocation](#) -- Englisch -- [Kessler Stephan Markus](#)

Course information

Course prerequisites

As a prerequisite the MBF courses Financial Markets and Quantitative Methods must have been attended previously. Basic knowledge of Excel is required.

Learning objectives

Students extend their knowledge of financial models in general and the ones used in asset allocation in particular. This knowledge is applied in computer-based problem sets.

Course content

This course is designed as a computer workshop. It gives students insights into the implementation of the theoretical concepts introduced in the MBF course Financial Markets. A focus will be on topics relevant in quantitative asset management and asset allocation. The programs Excel, Matlab, and EViews will be applied. Please note that this is not a course on programming.

Course structure

1. Return and Risk
2. Portfolio Theory
3. Portfolio Risk Management
4. Performance Measurement
5. Factor Models
6. Market Efficiency
7. Exam

Course literature

Required reading:

Documentation and handouts to be given during the lectures.



Additional literature:

- Benninga S., Principles of Finance with EXCEL, Oxford University Press, 2006 (Basics)
- Jackson M. and M. Staunton, Advanced Modeling in Finance using EXCEL and VBA, John Wiley & Sons, 2001

Additional course information

In the case of the President's Board having to implement new directives due to the SARS-CoV-2 pandemic in SpS2021 or if international or national travel restrictions prevent the lecturer from holding the class in person and no classroom-based alternative can be provided, the course information listed above will be changed as follows:

- The course is conducted online via the platform Studynet;
- The recordings of the course are available for 30 day;
- The lecturer informs via StudyNet.

The examination information listed below would be changed as follows:

- The written examination will be an open book computer-based take home exam.

Examination information

Examination sub part/s

1. Examination sub part (1/2)

Examination time and form

Decentral - Written examination (70%, 60 mins.)

Examination time: term time

Remark

Computer Based Test.

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, mobile telephones and others, are inadmissible.
- Students are themselves responsible for the procurement of examination aids.

Supplementary aids

Double Printed (Front and Back) A4 Cheat Sheet.

Examination languages

Question language: English

Answer language: English

2. Examination sub part (2/2)

Examination time and form

Decentral - Group examination paper (all given the same grades) (30%)

Examination time: term time



Remark

Case Study

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 which is a published template in StudentWeb.

The documentation of sources (quotations, bibliography) has to be done throughout and consistently in accordance with the chosen citation standard such as APA or MLA.

For papers in law, the legal standard is recommended (by way of example, cf. FORSTMOSER, P., OGOREK R. et SCHINDLER B., *Juristisches Arbeiten: Eine Anleitung für Studierende*, newest edition respectively, or according to the recommendations of the Law School).

The indications of the sources of information taken over verbatim or in paraphrase (quotations) must be integrated into texts 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., *Lern- und Arbeitsstrategien*, newest edition respectively).

For any work written at the HSG, the indication of the page numbers is mandatory independent of the chosen citation standard. 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.

Supplementary aids

Examination languages

Question language: English

Answer language: English

Examination content

See Syllabus.

Examination relevant literature

See Syllabus.



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 (CW21) at the latest. In the case of centrally organised mid-term examinations, the documents and materials up to CW 12 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 04 (Thursday, 28 January 2021);
- Examination information (regulations on aids, examination contents, examination literature) for decentralised examinations: in CW 12 (Monday, 22 March 2021);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 12 (Monday, 22 March 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 14 (Thursday, 8 April 2021).