Course and Examination Fact Sheet: Spring Semester 2021

8,178: Asset Liability Management for Insurance Companies

ECTS credits: 4

Overview examination/s
(binding regulations see below)
Decentral - Written examination (100%, 90 mins.)
Examination time: term time

Attached courses
Timetable -- Language -- Lecturer
8,178.1.00 Asset Liability Management for Insurance Companies -- Englisch -- Schmeiser Hato

Course information

Course prerequisites
Bachelor Degree or equivalent.

Learning objectives
This course enables students to understand and work with complex matters in Asset Liability Management. Students will discuss various quantitative, theoretical concepts and apply them to practical problem settings. Coaching sessions accompany the successful learning path of all students.

Course content
The course Asset Liability Management describes and profoundly discusses concepts for the management of assets and liabilities in insurance companies. Initially, asset and liability management are considered separately. Finally, asset and liability side are combined with the purpose of developing integrated management approaches for life and non-life insurance companies.

Course structure
Asset management of insurance companies (basic considerations; Insurance Capital Asset Pricing Model; legal requirements of asset allocation policy; strategic aspects of asset allocation policy; performance measurement of capital allocation policy in insurance companies)

Liability management of insurance companies (group-balance concept; forms of risk diversification; reinsurance policy; Alternative Risk Transfer (ART); Solvency I, Solvency II, and Swiss Solvency Test (SST))

Asset liability management of insurance companies (overview and motivation; forms of asset liability management; asset liability management based on Markowitz approach: simultaneous vs. classical modeling; theoretical approaches for profit and solvency control based on integrated models)

Course literature


**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, the course information listed above will be changed as follows:

- The course is conducted online via the platform zoom.
- The recordings of the course are permanently available.
- The lecturer informs via Canvas on the changed implementation modalities of the course.

The examination information listed below would be changed as follows:

- The written examination is conducted online as a 90-min Take-Home exam and is being recorded.
- Allowed examination aids are slides, research articles and lecture notes.

Further information are communicated via Canvas.

**Examination information**

**Examination sub part/s**

1. **Examination sub part (1/1)**

**Examination time and form**
Decentral - Written examination (100%, 90 mins.)
Examination time: term time

**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, mobile telephones and others, are inadmissible.

* Students are themselves responsible for the procurement of examination aids.

**Supplementary aids**
Pocket calculator TI-30 series

**Examination languages**
Question language: English
Answer language: English

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**Examination content**
All course contents / topics as defined above and treated in class.

**Examination relevant literature**
See course references.

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**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).