



## Course and Examination Fact Sheet: Autumn Semester 2020

### 3,307: Quantitative Methods

ECTS credits: 4

#### Overview examination/s

(binding regulations see below)

Central - Written examination (70%, 90 mins.)

Examination time: inter-term break

Decentral - examination paper written at home (individual) (30%)

Examination time: term time

#### Attached courses

Timetable -- Language -- Lecturer

[3,307,1.00 Quantitative Methods](#) -- Englisch -- [Lopes da Fonseca Mariana](#)

[3,307,2.00 Quantitative Methods: Exercises](#) -- Englisch -- [Lukaszuk Piotr](#)

#### Course information

##### Course prerequisites

None.

##### Learning objectives

At the end of this course, students will have acquired solid training in the basics of descriptive and inferential statistical research methods. This includes knowledge of the elementary mathematical techniques and probability theory related to the foundations of statistical methods. Furthermore, students will also be familiar with basic techniques of preparing, managing, visualizing, and analyzing statistical data using a computer software.

##### Course content

This course provides a systematic introduction to the techniques and instruments of basic quantitative methods in the social sciences. The course is divided into three main parts. The first part deals with questions related to quantitative research design, measurement, and descriptive statistics. Part two covers basic topics of univariate statistics, such as point estimation, interval estimation, and hypothesis testing. The final part is concerned with the skills needed to understand critically discuss social science research that uses statistical methods.

##### Course structure

Course will run weekly with 9 lectures and 3 exercises. If the course has up to 32 students, it will run with in classroom teaching with recordings available on Canvas.

If course has more than 32 students, course will run with partial in classroom teaching with alternating groups (allocated at a later date) and with recordings available on Canvas.

##### Course literature

Required readings: Agresti, Alan and Finlay, Barbara. 2017. Statistical Methods for Social Sciences, 5th Edition. Additional literature and materials: tba.

##### Additional course information

In the case of the President's Board having to implement new directives due to the SARS CoV 2 pandemic in AS2020, the course information listed above will be changed as follows:

- If in classroom teaching at any level (full or partial with alternating groups) is no longer advised or permitted, the course



will be moved online and conducted via the ZOOM platform.

- All class sessions will be recorded, and will remain available from 30 days from posting.
- The lecturer will inform registered students via Canvas on the changed implementation modalities of the course.
- There will be no changes to the examination information.

## Examination information

### Examination sub part/s

#### 1. Examination sub part (1/2)

##### Examination time and form

Central - Written examination (70%, 90 mins.)

Examination time: inter-term break

##### Remark

Central exam

##### 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 calculators that cannot be programmed of the Texas Instruments TI-30 series.

##### Examination languages

Question language: English

Answer language: English

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#### 2. Examination sub part (2/2)

##### Examination time and form

Decentral - examination paper written at home (individual) (30%)

Examination time: term time

##### Remark

3 problem sets each of which counts 10 percent.

##### 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

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## Examination languages

Question language: English

Answer language: English

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## Examination content

Exam-relevant materials are the lecture slides and other lecture materials (e.g. computer scripts), the exercises as well as the required and (if explicitly indicated in the syllabus) complementary readings.

## Examination relevant literature

Required readings: Agresti, Alan and Finlay, Barbara. 2017. Statistical Methods for the Social Sciences, 5th edition Further readings: tba.

## 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, 20 August 2020);
- Examination information (regulations on aids, examination contents, examination literature) for decentralised examinations: in CW 42 (Monday, 12 October 2020);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 42 (Monday, 12 October 2020);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: two weeks before the end of the registration period in CW 44 (Thursday, 29 October 2020).