



## Course and Examination Fact Sheet: Spring Semester 2024

### 10,054: Operation and Information Management

ECTS credits: 4

#### Overview examination/s

(binding regulations see below)

decentral - Presentation, Analog, Individual work individual grade (100%)

Examination time: Term time

#### Attached courses

Timetable -- Language -- Lecturer

[10,054,1.00 Operation and Information Management](#) -- English -- [Wortmann Felix](#) , [Kowatsch Tobias](#) , [Fleisch Elgar](#)

#### Course information

#### Course prerequisites

Operation and Information Management (10,054) is a dissertation-accompanying seminar

#### Learning objectives

Together with the lecturers and their peers, the students analyze the current status of their research work in the fields of Digital Health, Digital Energy, Digital Mobility, Digital Manufacturing and Digital Learning. They will critically reflect their work, peel back the strengths and weaknesses of their project and shape the critical path for successfully tackling the next phase.

#### Course content

##### Presentation

In advance of the 2-day seminar, students prepare a scientific presentation outlining the current state of their scientific work. The presentation lasts 18min comparable to a TED Talk and follows the T-concept. A short introduction to the topic, which embeds the practical relevance and the research question into a larger whole (crossbar of the T), is followed by a deepening along a current publication in progress (vertical bar of the T). It focuses on the data-driven part of the work, such as the experimental setting, data collection, data analysis, or the creation and evaluation of artifacts. The presentation must meet the highest standards in content and presentation. It must stand up to the interdisciplinary setting that results from bringing together researchers from the fields of digital health, digital energy, and more.

##### Peer Review

While the presenter is presenting, all attendees give written feedback on method, literature, tools, didactics, etc. on paper sheets prepared especially for this purpose. After the presentation, the feedback is randomly reviewed and given to the lecturer for incorporation.

Lecturers also provide verbal feedback.

Possible guiding questions for the design of the lecture are

- What problem do I want to solve with my paper?
- Are the topic area and question relevant and do they have potential to yield new insights?
- Am I doing something meaningful with my research? Am I making a difference?



- Is the research gap present and clearly addressed?
- Have I already penetrated the literature on the area?
- How do I get the data I need? Is the quality and scope of the data sufficient?
- Is the chosen method appropriate to answer the research question and work with the given or planned data? Do I master the method, or do I know someone who would be happy to help me with it?
- Where is the greatest intellectual challenge?
- Are surprising or counterintuitive research results to be expected?
- How and where does the work cast its scientific publication shadow? Where do I publish the results (outlets and their ranking)?
- Am I on the "critical path" of my work?

## Course structure and indications of the learning and teaching design

The seminar consists of the preparation of the presentation as described in the content section, the actual seminar, and the peer review, which must be in writing to all other participants and is subject to spot checks.

The seminar extends over 2 days. It takes place at a location outside the university.

Attendance is required on both days of the seminar.

During the presentations, the use of computers of any form is prohibited for the audience. The focus is to be on the speaker and the peer review.

PhD students with different backgrounds are welcome. A short application via mail including motivation, topic area and CV is appreciated.

## Course literature

None

## Additional course information

The seminar will take place on April 3 and 4, 2024 in Eastern Switzerland.

Expenses for meals and accommodation must be borne by external participants themselves.

Eligible doctoral students from external universities enroll for the seminar as guest students of the HSG.

As a rule, about 20 doctoral students take part in the seminar.

**Date, time, and location information in this fact sheet is non-binding. Binding information on time and place will be published on the course website.**

## Examination information

### Examination sub part/s

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

##### Examination modalities

Examination type	Presentation
Responsible for organisation	decentral
Examination form	Oral examination
Examination mode	Analog



Time of examination	Term time
Examination execution	Asynchronous
Examination location	Off Campus
Grading type	Individual 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

Presentation and peer review as described above

## Examination relevant literature

None



## 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 13 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, 25 January 2024);
- Examination information (supplementary aids, examination contents, examination literature) for decentralised examinations: in CW 12 (Monday, 18 March 2024);
- Examination information (supplementary aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 13 (Monday, 25 March 2024);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: Starting with de-registration period in CW 15 (Monday, 08 April 2024).