



Course and Examination Fact Sheet: Spring Semester 2025

8,130: Management Reporting Analytics and Visualisation

ECTS credits: 6

Overview examination/s

(binding regulations see below)

decentral - Written work, Digital, Group work group grade (10%)

Examination time: Term time

decentral - Presentation, Analog, Group work group grade (40%)

Examination time: Term time

decentral - Written work, Digital, Individual work individual grade (50%)

Examination time: Term time

Attached courses

Timetable -- Language -- Lecturer

[8,130,1.00 Management Reporting Analytics and Visualisation](#) -- English -- [Fehrenbacher Dennis](#)

Course information

Course prerequisites

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Learning objectives

On successful completion of the class, you should be able to:

analyse, evaluate and design data-driven visualisations in accounting and finance (1)

discuss elements of management reporting systems and recommend approaches that help improve decision-making in management reporting systems (2)

apply critical thinking, problem solving and communication skills to analyse, evaluate and interpret data that inform the design of management reporting systems (3)

apply process mining techniques to processes of management reporting systems (4)

systematically conduct analytics on data sets associated with management reporting systems using different applications (5)

Course content

Accountants are 'business analysts' and speak the 'language of business'. The class discusses the data analytics process including asking the right business questions, data gathering, data analytics and communication of results. Yet, how can accountants make an impactful case to change the control and reporting system in an organisation given analytic results? How can accountants avoid biased thinking and communication as part of a data analytics process? What are impactful data visualisations? In this class different data techniques and tools that are useful to the modern accountant are discussed. Advanced analytics of business processes is covered using data cases associated with accounting tasks.

Course structure and indications of the learning and teaching design



Sessions are interactive and require active participation. Students are asked to bring their Laptops to class. Software requirements will be communicated ahead of the class. The class consists of three block days during the Break and six four-hour sessions in the second half of the semester.

Course literature

Communicated in class.

Additional course information

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Examination information

Examination sub part/s

1. Examination sub part (1/3)

Examination modalities

Examination type	Written work
Responsible for organisation	decentral
Examination form	Written work
Examination mode	Digital
Time of examination	Term time
Examination execution	Asynchronous
Examination location	On Campus
Grading type	Group work group grade
Weighting	10%
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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2. Examination sub part (2/3)

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	On Campus
Grading type	Group work group grade
Weighting	40%
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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3. Examination sub part (3/3)

Examination modalities

Examination type	Written work
Responsible for organisation	decentral
Examination form	Written work
Examination mode	Digital
Time of examination	Term time
Examination execution	Asynchronous
Examination location	On Campus
Grading type	Individual work individual grade
Weighting	50%
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



Learning objectives (2), (3), (5) are particularly relevant for the assessments. Learning objectives (1) and (4) can be highly useful for the assessments in some circumstances, but are not always central in other circumstances. Thus, the relevance of learning objectives (1) and (4) is conditional to the choice of the specific assessment topic.

Examination relevant literature

Bloomfield, R. J. (2016). What counts and what gets counted. *Available at SSRN 2427106*.

Munzner, Tamara. Visualization analysis and design. CRC press, 2014.

Kadous, K., & Zhou, Y. D. (2017). Maximizing the contribution of JDM-style experiments in accounting. In *The Routledge companion to behavioural accounting research* (pp. 175-192). Routledge.

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 (Monday, 25 March 2025) 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, 23 January 2025);
- Examination information (supplementary aids, examination contents, examination literature) for decentralised examinations: in CW 12 (Monday, 17 March 2025);
- Examination information (supplementary aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 14 (Monday, 31 March 2025);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: two weeks before ending with de-registration period in CW 15 (Monday, 07 April 2025).