



Course and Examination Fact Sheet: Autumn Semester 2023

9,266: Globalisation and the Environment

ECTS credits: 4

Overview examination/s

(binding regulations see below)

decentral - Written work, Digital, Individual work individual grade (60%)

Examination time: Term time

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

Examination time: Term time

Attached courses

Timetable -- Language -- Lecturer

[9,266,1.00 Globalisation and the Environment](#) -- English -- [Eisenbarth Sabrina](#)

Course information

Course prerequisites

A good command of the following topics is expected:

- Microeconomics
- Trade theory: At least an undergraduate course on trade theory is expected. Prior attendance of 8,264 International Trade is useful.
- Knowledge of methods for causal empirical analysis is expected. Students should have attended Data Analytics II: Causal Econometrics or an equivalent course covering standard methods for causal inference.

Learning objectives

This course will discuss the relationship between globalization and environmental outcomes.

After completing this course, students should be able to

- Use economic theory (particularly trade theory) to understand how trade can affect environmental outcomes.
- Discuss and critically evaluate empirical evidence on the relationship between trade and the environment

Course content

This course will look at the relationship between trade and the environment. We will discuss the following topics, amongst others.

Effects of international trade on pollution – transport emissions

We will look at empirical literature assessing the effect of trade on the environment via transport emissions.

Effects of international trade on pollution – specialization

Trade can also affect the environment indirectly through specialization. If countries with lenient environmental policies specialize in dirty goods production, trade could increase pollution compared to a world without trade. This part of the course will look at a general equilibrium model in which trade affects the environment through specialization and other channels. It will then discuss empirical results on the effect of trade on the environment.

Effects of international trade on pollution – relocation of market shares across firms

The trade literature has shown that trade openness leads to a relocation of market shares from less productive to more productive firms, and the least productive firms exit. This relocation of market shares could reduce pollution if more productive



firms are also cleaner. This part of the course looks at recent literature incorporating environmental dynamics into firm-level trade models and at work testing the hypothesis that exporting firms are less polluting.

Carbon pricing and carbon leakage

Economic incentives such as carbon taxes or emission trading schemes are used to internalize (some of) the externalities associated with greenhouse gas emissions. Firms argue that carbon pricing erodes their competitiveness and that some of the production will relocate abroad to countries without or with lower carbon prices. This would generate emissions abroad and undermine the effect of domestic carbon taxes. We will look at empirical work trying to quantify carbon leakage.

Carbon border tax adjustments

Carbon border tax adjustments can be used to reduce carbon leakage. The European Union is just in the process of introducing such a policy tool. We will learn how carbon border tax adjustment work in theory and discuss some of the complications associated with their implementation in practice.

Course structure and indications of the learning and teaching design

Weekly lectures, combined with exercises and student presentations.

Course literature

Reading for this course will mostly be based on research papers. A detailed reading list will be available on Canvas.

Additional course information

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Examination information

Examination sub part/s

1. Examination sub part (1/2)

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	Off Campus
Grading type	Individual work individual grade
Weighting	60%
Duration	--

Examination languages

Question language: English
Answer language: English

Remark

written essay

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 (2/2)

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	Group work group grade
Weighting	40%
Duration	--

Examination languages

Question language: English

Answer language: English

Remark

group presentation

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

Students are required to prepare a group presentation and an individual written essay. Presentation and essay topics will be allocated at the beginning of the term.

Examination relevant literature

- All material covered in class, i.e., any lecture slides, lecture notes, problem sets, solutions to problem sets and case studies as relevant to the presentation and essay topics.
- Journal articles, newspaper articles, webpages and textbook chapters, as indicated on Canvas (available before the respective session at the latest).
- Students should also search for additional literature relevant to their presentation and essay topics.



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, 24 August 2023);
- Examination information (supplementary aids, examination contents, examination literature) for decentralised examinations: in CW 42 (Monday, 16 October 2023);
- Examination information (supplementary aids, examination contents, examination literature) for centrally organised mid-term examinations: in CW 45 (Monday, 06 November 2023);
- Examination information (regulations on aids, examination contents, examination literature) for centrally organised examinations: two weeks before the end of the de-registration period in CW 45 (Monday, 06 November 2023).