

## Goals and content

The integration of national economies into a global multilateral economic system is one of the landmarks of the recent economic history. The growth of international trade has been boosted by the recent trends of globalization and trade liberalization and policy coordination. The current international trade system is a complex network shaped by trade regulation and policies. It is therefore a demand for informed policy-making to provide a quantitative evaluation of the effects of such policies.

The **Certificate of Advanced Studies (CAS) on Applied Trade Policy Modeling (TradeMod)** offers a research-oriented teaching in the field of trade policy. The courses provided show the different theories and quantitative models and techniques used to analytically evaluate the past effects of trade policies. Applied econometric and applied general equilibrium modeling approaches are covered, as well as the management of the relevant trade policy databases. These tools are the standard used in specialized units in international organizations and national institutions. The courses are applied and will emphasize the use of econometric and computational programs and specialized software.



The **World Trade Institute (WTI)** at the **University of Bern** is a leading academic institution dedicated to teaching and research focused on international trade and investment regulation and economic globalisation and sustainability. As a centre of excellence at the University of Bern with an international, interdisciplinary focus, we explore the interconnections between the fields of law, economics and political science.

## Structure and courses

The CAS TradeMod is structured around four one-week courses and a research paper that students write under the supervision of one of the lecturers. Students are required to take a minimum of three of the courses, but have the right to follow all four as part of the program.

### **Week 1: Foundations of Trade Policy and Trade Policy Data**

This course presents the theory of trade policy instruments (tariffs, preferential trade agreements, non-tariff measures, trade facilitation) and introduces the students to the use of the main international datasets covering those policy instruments.

**Lecturers:** Manfred Elsig, Patrick Tomberger, Achim Vogt, Selina Hauser.  
6 - 10 June 2022 [20 hours, 3 ECTS].

### **Week 2: Econometric Analysis of Trade Policy**

This course presents the main econometric framework to perform ex-post analysis of trade policies: the structural gravity model of trade. The management of bilateral trade data and the main gravity variables is also introduced.

**Lecturers:** Octavio Fernández-Amador, Achim Vogt, Irene Garcés Iriarte.  
13 - 17 June 2022 [23 hours, 3 ECTS].

### **Week 3: Introduction to Input-Output and Applied General Equilibrium Models**

This course shows the use of input-output tables and social accounting matrices, which constitute the data basis for applied general equilibrium models. After that, the basics of computable general equilibrium models are introduced.

**Lecturers:** Patrick Tomberger, Hugo Rojas-Romagosa.  
20 - 24 June 2022 [23 hours, 3 ECTS].

### **Week 4: Applied Trade Policy Modeling using Computational General Equilibrium Models**

This course covers how to model trade policy instruments in the framework of computational general equilibrium models. The course covers topics such as the structure of the main multi-country, multi-sector general equilibrium models specially designed for the analysis of trade, the definition of shocks, the calibration of the model, and how to read the results.

**Lecturer:** Eddy Bekkers.  
27 June - 1 July 2022 [23 hours, 3 ECTS].

## Organization

The CAS TradeMod is aimed at professionals, researchers and graduate students (Masters and PhD), notably in Economics and Social Sciences. Undergraduate students will be considered only if their profile is outstanding.

The CAS TradeMod grants 13 ECTS. Students need to complete three one-week courses (3 ECTS each of them). After that, students write a research paper under the supervision of one of the lecturers (4 ECTS).

### **CAS TradeMod coordination committee:**

- Joseph F. Francois, WTI University of Bern
- Eddy Bekkers, World Trade Organization
- Octavio Fernández-Amador, WTI University of Bern (contact)

For further information, please send an email to [cas.trademod@wti.org](mailto:cas.trademod@wti.org).

## Timetable

Class hours are typically from 10:00pm-17:30pm, Monday – Friday.

Place: WTI, University of Bern, Switzerland. Some sessions may be online, via Zoom. A limited number of students may take the CAS TradeMod fully online.

Available course outlines and reading material can be found under the course listing on the [WTI webpage](#). Students are allowed to spread the program over two years.

## Registration

The tuition fee is **CHF 7000**. A limited number of (partial) tuition fee waivers is available for participants from developing countries and WTI partner institutions.

While three courses are required, the tuition fee entitles the student to follow up to four classes.

Send your application to:  
[cas.trademod@wti.org](mailto:cas.trademod@wti.org)