



# **VIU** summer SCHOOL advanced Transportation, LOGISTICS and SUPPLY CHAIN management

**Aligning market needs with integrated sustainable transportation, logistics and land-use planning: a unified approach**

**July 1-5, 2024**

**Venice International University  
Isola di San Servolo, Venice**

# VIU Summer School

## Advanced Transportation, Logistics and Supply Chain Management–

### Aligning market needs with integrated sustainable transportation, logistics, and land-use planning: a unified approach

Venice International  
University

July 1–5, 2024

Scientific Coordinators:

Marco Mazzarino  
Iuav University of Venice

Vittorio Marzano  
University of Naples  
Federico II

#### Course description

The VIU Summer School on Advanced Transportation, Logistics and Supply Chain Management is an initiative of VIU in partnership with its member universities Iuav, Ca' Foscari, the University of Padova, KU Leuven, Stellenbosch, and Tsinghua, in cooperation with the University of Naples Federico II.

The program develops an original comprehensive approach, bringing into focus the need for engagement among policy-makers, planners, companies, and other private and public actors in transport, logistics and supply chain management.

The participants will explore the latest innovations in technology, business models, and policy-making. Through rigorous and non-conventional empirical and theoretical approaches we will explore emerging trends, strategic scenarios, IT and modelling tools (including demo labs), methods, case studies, and applied projects, and discuss how these can support business and policy-makers, achieve environmental sustainability, and socio-economic efficiency. Disruptive digital trends will be confronted with the physical impacts on the territory ("bits vs bricks" perspective).

#### Fields of study

Transportation, Logistics, Supply chain management, Planning, Engineering, Geography

#### Faculty

Marco Mazzarino, Iuav University of Venice  
Vittorio Marzano, University of Naples Federico II  
(Scientific Coordinators)

Johann Andersen, Stellenbosch University  
Bram De Moor, KU Leuven  
Ennio Cascetta, Università Mercatorum  
Paolo Mollo, MOSCOT  
Eugenio Cornacchia, ToolsGroup  
Maurizio Cociancich, ADRIAFER/Iuav University of Venice/VIU  
Andrea Furlanetto, Transporeon GmbH  
Tommaso Gecchelin, Next Modular Vehicles  
Carlos Lima Azevedo, Technical University of Denmark (DTU)/MIT Affiliate (ITSLab)  
Mingyao Qi, Tsinghua University  
Christa Sys, University of Antwerp  
Stefano Micelli, Università Ca' Foscari Venice  
Eleonora di Maria, Università di Padova  
Robert Glenn Richey, Auburn University

## Topics

- Emerging trends and strategic scenarios in transport and spatial logistics
- Innovative tools for planning and policy-making
- Quantitative analysis for planning and policy-making
- Innovative tools for transport optimization
- Geographical analysis and solutions
- Digital logistics
- Robotics-enabled logistics
- Urban and last-mile logistics
- Smart Logistics, Collaborative shipping, Synchronomodality and the Physical Internet
- Global Value Chains and industry 4.0

The program will illustrate data-driven approaches, modelling, case studies, and will include site visits and IT demos.

## Contexts

Ports, regions, urban areas, global issues.

## Approaches

Data-driven, optimization of innovation and IT, public-private partnership, stakeholder engagement

## Learning outcomes

By the end of the week, participants will have an integrated vision of transport and logistics systems - in which both private and public stakeholders and dimensions interact - and of how to design, implement and deploy effective business models and policy-making.

## Who is it for?

Applications are welcome from graduates who have completed an undergraduate degree in Planning, Engineering, Geography, Economics, IT, Design, and Political Science. Applications are also welcome from professionals working in related fields.

## Fees

Participants from VIU member universities: € 400 incl. VAT

University of Naples Federico II students: € 600 incl. VAT

Other applicants: € 800 incl. VAT

VIU Alumni are eligible for a reduced fee.

The fees will cover tuition, course materials, lunches during the working days, site visit and social events.

Student participants will be responsible for covering their own travel expenses to and from Venice and local transportation.

PhD candidates and post-docs from universities in EU universities may be eligible for Erasmus+ mobility grant support. Candidates should consult the International Office in their own university for information about the calls for applications for funding. VIU will provide any supporting documentation requested for such applications. Contact VIU Erasmus office: [erasmus@univiu.org](mailto:erasmus@univiu.org)

## Credits

ECTS credits equivalence: 2

A Certificate of Attendance will be issued at the end of the course.

## Accommodation costs on campus

The costs of accommodation on campus in shared room with other participants (triple or quadruple) is € 308 for 6 nights. Further information will be available in the Application form.

Applicants can ask for VIU assistance in booking accommodation: please note that the facility is not managed by VIU and availability cannot be guaranteed for **rolling admission** candidates.

**Rolling admissions open until May 5, 2024 via the [VIU website](#)**

Students will be notified of their application status shortly after receipt of their application and, if selected, asked to pay the tuition fee and accommodation fee (if requested) within ten days.

Applicants must submit the application form, a letter of motivation – which should include a brief description of the candidate's research interests, a curriculum vitae and a photo.

The Program will admit from a minimum 16 to a maximum of 25 participants.

For further information please write to: [summerschools@univiu.org](mailto:summerschools@univiu.org)

**Venice International University** is a consortium of 23 institutions, representing 15 countries throughout the world.

The mission of VIU is to foster cooperation among VIU member institutions while facilitating the exchange of knowledge and ideas, by developing, promoting and organizing joint academic, research and training/capacity-building program. Students from non-member universities may participate in selected academic programs.

The academic programs at VIU are distinguished by a markedly interdisciplinary approach to the topics, and by the international perspectives that the participants contribute to the discussions. The VIU campus is on the island of San Servolo in Venice, Italy.

#### Location



#### **Venice International University**

Isola di San Servolo

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di Venezia



UNIVERSITÀ DEGLI STUDI DI NAPOLI

FEDERICO II