

FUTURE-PROOF AIRPORT SEAPORT LOGISTICS

EXCHANGE PROGRAMME

INFORMATION FOR INTERNATIONAL STUDENTS



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CREATING TOMORROW

FUTURE PROOF AIRPORT SEAPORT LOGISTICS

EXCHANGE PROGRAMME

WITHIN THIS MINOR YOU WILL GET AN IDEA OF THE LOGISTICS WORLD AT THE AIRPORT (ESPECIALLY SCHIPHOL) AND SEAPORT (AMSTERDAM AND ROTTERDAM) AS A COMPLEX SYSTEM, AND HOW SYSTEMS, ORGANIZATIONS AND DEVELOPMENTS ARE INTERRELATED. YOU GAIN INSIGHT INTO CURRENT DEVELOPMENTS WITHIN THE PORTS AND HOW THESE DEVELOPMENTS CHANGE OR INFLUENCE THE BEHAVIOR OF

PARTIES AND THE STRUCTURE OF THE SYSTEM. IT IS INTERESTING THAT THESE CHANGES MANIFEST THEMSELVES AT ALL LEVELS OF SCALE (PERSON, COMPANY, CHAIN, NETWORK AND SOCIETY) AND IN DIFFERENT WAYS. THIS MINOR IS ABOUT INTERPRETING, REORIENTING AND IMPROVING INTERNATIONAL LOGISTICS ALLIANCES IN A RAPIDLY CHANGING COMPLEX WORLD AND (ESPECIALLY) DUTCH SOCIETY.

MINOR FOCUS AREAS ARE

This minor is specially developed to help students acquire the professional competences necessary for the 21st century, covering the full spectrum of the international logistic world. Students will become experts in their topic of choice, applying their expertise to make a professional product. These topics are:

- System innovations and Technology in logistics networks. You will learn how new technologies such as Internet of Things (IOT), Blockchain, Artificial Intelligence, Autonomous vehicles, and Hyperloop can make a big contribution to improving logistics systems but can also significantly change the existing “business model” and the relationship between stakeholders in the logistics sector.



- Climate Change and Circular Economy; You will learn what the complexity of the climate challenge means for logistics companies in the mainport (seafaring, inland navigation, road transport) and why the climate challenge for the mainports is different from the climate challenge for city logistics. Furthermore, you will explore how ports have to redesign their role in the circular economy: coordinating supply chains in such a way that end-of-life products can be efficiently collected and transported to a (port) location where the products are no longer processed as waste but are upcycled products without losing value.

- Economic significance of Air and Seaports. You will learn about the economic significance of the mainports within the Netherlands, and how the stimulus policy for mainports growth, seems to be coming to an end.

- Vision and Air- and Seaports policy.

Technological developments, geopolitical changes and societal changes are changing logistical flows. Authorities are trying to develop a future strategy in this changing environment which will enable ports to continue to play a vital role. You will learn about the current vision of the Government and the Ports and how they differ from each other. These topics are linked to key problems raised by stakeholders and various AUAS research programmes. You will work on complex, multifaceted issues and come up with practical solutions in multidisciplinary teams. This minor does not have a fixed content but is shaped by specific questions and issues addressed, multidisciplinary teams and personal fascinations. In this minor, teams organise their own study plan and coordinate to draw up a study path in consultation with lecturers. As such, this minor offers students a great deal of freedom, which also requires considerable responsibility.

EDUCATIONAL FORMAT

- ▶ This programme is based on self-study and self-organisation, though with close guidance and supervision.
- ▶ A studymanual provides steps to be taken and

assessment criteria

- ▶ Inspirational lectures by clients, lecturers and researchers;
- ▶ Optional and/or mandatory workshops;
- ▶ Research and project coaching;
- ▶ Selfmonitoring team and individual learning process by a Dashboard.
- ▶ Full-time programme: workload 40 hrs./ week;
- ▶ Contact hours: 20 hrs./week for the first 3 weeks, 10 hrs./week for the next 4 weeks, 4 hrs./week for the last 11 weeks;
- ▶ The programme consists a 6-week introduction (orientation, inspiration and interpretation), resulting in a core issue that you and your team will work on and incorporate in your Minor Study Plan (guide-line for the whole assignment), followed by a challenge program (research, data analysis, validation) and a 4-week finale (final product, reflection on the process and assignment, the presentation and eventually corrections/changes);
- ▶ continuous testing during feedback sessions;



LEARNING OUTCOMES (after completing you will be able to:)

- ▶ Reproducing and communicating the knowledge you have acquired about your subject as an expert;
- ▶ Developing a professional attitude in dealing with the task at hand and the various disciplines you will encounter;
- ▶ Organising and managing your own (study) process, as well as those of your team;
- ▶ Formulating and producing a relevant professional product;
- ▶ Interdisciplinary teamwork;
- ▶ Cautiously applying design principles and parameters;
- ▶ Innovative and creative design.

PROGRAMME OUTLINE

- ▶ Credits for minor: 30 ECTS
- ▶ Research report, professional product (e.g. advisory report, model, design)
- ▶ Minor study plan and a Personal learner Report

All subjects required by the home University to fulfill an international minor have to be arranged as personal learning outcomes by the student and must be noted in the Personal Learner Report.

ADMISSION REQUIREMENTS (YOU MUST BE:)

- ▶ An undergraduate student in the 3rd or 4th year of your degree programme;
- ▶ Curious, investigative, entrepreneurial and responsible attitude;
- ▶ Able to interpret the research area sufficiently and correctly and explain your research path based on arguments;
- ▶ Capable of acquiring relevant information at a sufficient level from a variety of sources, academic and otherwise.
- ▶ Proficient in English (CEFR B1)

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- ▶ In possession of at least 100 ECTS

HOW TO APPLY

If you would like to enrol in this exchange programme, please visit the website. Please complete the application form in time. Enrolment deadlines:

- ▶ Autumn semester: 1st May
- ▶ Spring semester: 15th October

PRACTICAL MATTERS

International office (visa, housing and other practical matters): internationalofficeft@hva.nl
Contact for content: mrs. Pascal Marlisa Msc./ P.M.Marlisa@hva.nl

