

# HONOURS AVIATION MANAGEMENT

EXCHANGE PROGRAMME  
INFORMATION FOR INTERNATIONAL STUDENTS



[AMSTERDAMUAS.COM](http://AMSTERDAMUAS.COM)

# HONOURS AVIATION MANAGEMENT

THIS PROGRAMME BROADENS YOUR PERSPECTIVE ON AVIATION MANAGEMENT AND HELPS YOU BETTER UNDERSTAND AIRLINE BUSINESS MODELS, INFRASTRUCTURE, AIR SPACE AND SOCIETAL CONDITIONS. KNOWLEDGE THAT IS NEEDED TO TACKLE THE INCREASING CAPACITY CHALLENGES THAT AVIATION IS EXPECTED TO FACE AS IT CONTINUES TO GROW IN THE DECADES AHEAD.

The Aviation Management programme has three distinct focus areas, all of which are linked to current industry issues. The common denominator of these focus areas is airport and airspace capacity.

## COURSE FOCUS AREAS

### **Schiphol spill-over**

Schiphol airport serves Amsterdam and the Netherlands and supports the competitive position of the Amsterdam region. Due to capacity constraints, Schiphol is unable to accommodate future growth. The political solution proposes to divert non-hub related traffic from Schiphol to three regional airports in the Netherlands, creating an airport system that serves the greater metro region (the 'Randstad'). You will focus your research on understanding capacity use and the dynamics of an airport system and its impact on other regional airports, airlines and passengers. You will deliver a dynamic model that provides insights into the capacity use of airport systems.

### **Mainport versus hub**

Mainport hubs play an important role in corporate decisions to locate to specific regions. An airport's main selling point is connectivity – how many destinations it serves at specific (daily or weekly) frequencies. If its capacity is constrained, who has control of the network of connections becomes a crucial issue. Should airlines decide which destinations to fly to, or should regional authorities be in charge of assigning airport capacity? In the Netherlands, this is the concern raised by municipalities in the airport region.



## Simulation

Capacity optimisation requires a better understanding of the different options and scenarios for airport capacity use. Simulation offers a crucial tool to gain this understanding. The AUAS has a designated capacity lab where specialised hardware and software enable the simulation of airport processes and use of airport facilities such as check-in areas, runways and baggage handling systems.

## EDUCATIONAL FORMAT

The Honours Programme approach is heavily influenced by similar programmes at American universities. Classes are taught in a seminar style, with a strong emphasis on active participation and discussion. The instructor will regularly call on you, so coming prepared is essential.

You will:

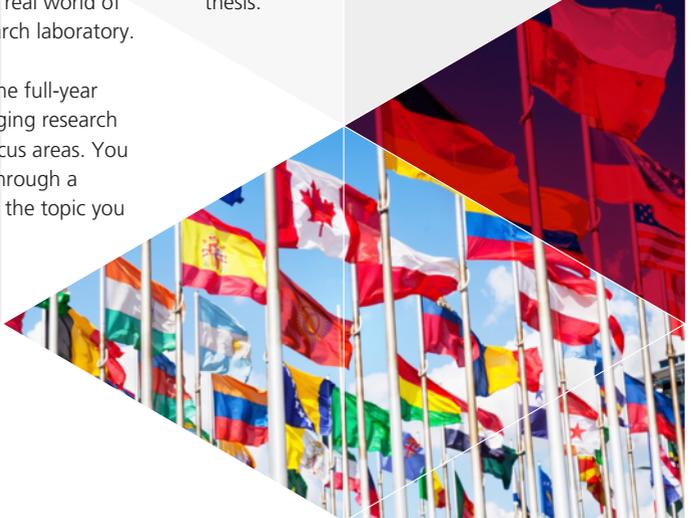
- ▶ have a demanding workload (approximately 25% more demanding than that of the standard final-year curriculum).
- ▶ be at school every weekday from at least 9 am to 5 pm (first semester).
- ▶ help to prepare some of the course material.
- ▶ focus on learning research skills, strengthening your theoretical knowledge base and interacting with others.
- ▶ attend workshops and enter the real world of the academic and business research laboratory.

In the second semester (if you do the full-year exchange) you will tackle a challenging research project in one of the three main focus areas. You will do this either at the AUAS or through a company internship, depending on the topic you choose to investigate.

## LEARNING OUTCOMES

After completing this programme you will:

- ▶ understand the business models and business drivers of the main players in the aviation branch: airline, airport, government and aircraft manufacturer and their interrelationship.
- ▶ be able to explain how these business models of actors in the aviation industry interact.
- ▶ be able to apply the general principles of doing research through discussions, visits, different forms of research and critical thinking.
- ▶ be able to present your research findings in the form of papers and oral presentations including performing literature studies, academic writing, presentation, argumentation and providing and receiving feedback.
- ▶ write a project plan for the Aviation Management Conference and develop hands-on experience in managing a complex project from initial concept through to actual event organisation.
- ▶ be acquainted with the successive phases of scientific research on the basis of projects and interactive methodological feedback. This includes examination of research questions, frameworks and hypotheses and training in qualitative and quantitative methods of data collection and analysis. You will then use these new skills to research and write your final thesis.



## PROGRAMME OUTLINE

- ▶ Credits: 30 ECTS (autumn semester) or 60 ECTS (full academic year).
- ▶ Format: lectures, workshops, conference organisation.
- ▶ Term: autumn semester (beginning of September - end of January) or full academic year (September - July). You can apply to do an exchange for the autumn semester or the full academic year, not for the spring semester only. If you opt for the full year, your research project may satisfy your home institution's final project/thesis requirements.
- ▶ Course completion certificate: you will receive an honours certificate providing proof of your excellence to future employers.

## ADMISSION REQUIREMENTS

There is a maximum of 16 places in the Honours Programme each year. Admission is therefore highly selective and limited to students studying Aviation, Engineering, Design and Innovation, E-technology, Business Mathematics and Business Management and Technology. The following additional requirements apply:

- ▶ You must be in the final year of your Bachelor's programme.
- ▶ You have no more than 5 credits (ECTS) outstanding from previous years.
- ▶ Proficiency in English (CEFR B1).

## HOW TO APPLY

If you would like to enrol in this exchange programme, please visit [amsterdamuas.com/technology-courses](http://amsterdamuas.com/technology-courses) and complete the application form before the deadline. Once we have evaluated your application, you may be invited for a Skype interview as part of the selection process.

Enrolment deadline

- ▶ Autumn semester: 1 May

## PRACTICAL MATTERS

- ▶ International office: [internationalofficeft@hva.nl](mailto:internationalofficeft@hva.nl) (visa, housing and other practical matters)

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