



## **Module Specification**

### **Airport Management [TSI]**

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## Part 1: Information

**Module title:** Airport Management [TSI]

**Module code:** UFMFHY-12-M

**Level:** Level 7

**For implementation from:** 2024-25

**UWE credit rating:** 12

**ECTS credit rating:** 6

**College:** College of Arts, Technology and Environment

**School:** CATE School of Engineering

**Partner institutions:** Transport and Telecommunication Institute

**Field:** Engineering, Design and Mathematics

**Module type:** Module

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** Technical and operational issues of the airport ecosystem will be analysed. Physical characteristics of the airside, landside and curbside will be presented and discussed. As well, operational and management concepts will be studied. Students will be introduced with airport master planning process, content and structure. General introduction of airport certification in Europe and safety management system will be presented.

**Features:** Not applicable

**Educational aims:** To give an insight of airport operational, technical and management processes to enable students to participate in management of airport operations and master planning.

**Outline syllabus:** Definition of the airport as system and regulatory background (ICAO, IATA, EU regulations and national legislation);

Aviation in Latvia;

Airport concepts EU and Worldwide;

Airport standards (ICAO Annex 14);

Introduction of airport infrastructure elements and airport capacity measures;

Planning and operations of airport services;

Connectivity and aviation' role in the economy;

Green airport concept.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** Learning and teaching will be provided to students as lectures and tutorials. During lectures, students are informed about the subjects described in the syllabus. During tutorials, discussion of case studies will take place. Case method teaching immerses students into realistic challenges and help them to analyse airport management issues and at the same time work in groups to apply critical thinking skills.

**Module Learning outcomes:** On successful completion of this module students will achieve the following learning outcomes.

**MO1** Interpret and critically assess the contribution of modern airport management concepts, technology, leadership, and system thinking in responding to dynamic changes in the aviation industry

**MO2** Apply modern airport management practices and models to address realistic aviation issues drawn from a variety of real-world applications

**MO3** Demonstrate inclusive knowledge and understanding of the main international and domestic regulatory enactments relevant to the aviation industry

**MO4** Analyse new developments in airport management and their strategic operation and management impacts to secure sustainable development of the industry

**MO5** Apply technology and management skills/knowledge to complex problems and situations, and to generate effective recommendations to multidisciplinary problems

**MO6** Apply both management and specific aviation concepts, ideas and theories in a variety of contexts such as operation strategy, technology innovation, project management, financial management, and strategic decision making

**Hours to be allocated:** 120

**Contact hours:**

Independent study/self-guided study = 112 hours

Face-to-face learning = 48 hours

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/E9821789-4A5D-695C-CDBD-6599CBC4DA4E.html?lang=en-GB&login=1) via the following link <https://rl.talis.com/3/uwe/lists/E9821789-4A5D-695C-CDBD-6599CBC4DA4E.html?lang=en-GB&login=1>

## **Part 4: Assessment**

**Assessment strategy:** The assessment strategy is organized around two tasks: examination and portfolio.

Examination: 2h, closed-book examination which aims to assess students knowledge and understanding understanding of the key concepts discussed during the module, regarding airport management.

For Resit a different version of the exam paper will be used.

Portfolio: consist of set of exercises provided to the students in different mode, like mini-reports, case-study analysis etc.

Resit will be the same as first sit.

### **Assessment tasks:**

#### **Examination (First Sit)**

Description: Written Exam (2 hours) to assess the student's understanding of the concepts. Students are expected to demonstrate their knowledge of the most important concepts in the area of airport management.

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO3, MO4, MO6

#### **Portfolio (First Sit)**

Description: Includes verity of assignments presented in different forms, like mini-reports, case-study- analysis etc.

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

#### **Examination (Resit)**

Description: Written Exam (2 hours) to assess the student's understanding of the concepts. Students are expected to demonstrate their knowledge of the most important concepts in the area of airport management.

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Portfolio (Resit)**

Description: Includes verity of assignments presented in different forms, like mini-reports, case-study- analysis etc.

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Aviation Management and Sustainability {Double Degree} [TSI] MSc 2024-25