250ST2024 - Airports Management

Coordinating unit: 240 - ETSEIB - Barcelona School of Industrial Engineering
Teaching unit: 751 - DECA - Department of Civil and Environmental Engineering
Academic year: 2019
Degree: MASTER'S DEGREE IN SUPPLY CHAIN, TRANSPORT AND MOBILITY MANAGEMENT (Syllabus 2014). (Teaching unit Optional)
MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2014). (Teaching unit Optional)
ECTS credits: 5
Teaching languages: English

Teaching staff
Coordinator: César Trapote Barreira
Others: FRANCESC ROBUSTÉ ANTÓN

Opening hours
Timetable: Request via email. Monday from 15:30 to 17:00 h.

Teaching methodology
Lectures, individual/group course reports.

Learning objectives of the subject
Airport, airline, air transport, passenger, baggage, freight, flight, management, investment, revenue, pricing, operations, handling.

Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group: 30h</th>
<th>24.00%</th>
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<tbody>
<tr>
<td></td>
<td>Hours small group: 15h</td>
<td>12.00%</td>
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<td></td>
<td>Self study: 80h</td>
<td>64.00%</td>
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## Content

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Learning time: 8h</th>
<th>Theory classes: 3h</th>
<th>Self study: 5h</th>
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<tbody>
<tr>
<td>1. Introduction to Airport Management (1)</td>
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<td>2. Statistics, operators and normative framework</td>
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<td>3. Airline management</td>
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<td>4. Airline management (2)</td>
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<td>5. Airport planning</td>
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### Learning time breakdown:
- **Theory classes:** 3h
- **Self study:** 5h, 6h, 6h, 4h
| 6. Capacity management and operations | **Learning time:** 7h  
Theory classes: 3h  
Self study: 4h |
|--------------------------------------|-----------------------------------------------|
| **Description:**  
Capacity management and operations | |
| 7. Capacity management and operations (2) | **Learning time:** 8h  
Theory classes: 3h  
Self study: 5h |
| **Description:**  
Capacity management and operations | |
| 8. Airport economics | **Learning time:** 8h  
Theory classes: 3h  
Self study: 5h |
| **Description:**  
Airport economics | |
| 9. Airport management and competition | **Learning time:** 8h  
Theory classes: 3h  
Self study: 5h |
| **Description:**  
Airport management and competition | |
| 10. Low cost carriers | **Learning time:** 8h  
Theory classes: 3h  
Self study: 5h |
| **Description:**  
Low cost carriers. Drivers of new markets. | |
# 11. Airport access: infrastructures, parking and public transport

**Description:**
Airport access: infrastructures, parking and public transport

**Learning time:** 8h
- Theory classes: 3h
- Self study: 5h

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# 12. Air Cargo

**Description:**
Air Cargo

**Learning time:** 8h
- Theory classes: 3h
- Self study: 5h

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# 13. Sustainability of air transport

**Description:**
Introduction to ethics in air transport management. Development of sustainability and environmental protection.

**Related activities:**
Class and report

**Specific objectives:**
Understanding and defining trends in field of sustainability of air transport

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# 14. Airport Security

**Description:**

**Related activities:**
Theory and cases

**Specific objectives:**
Understanding airport security.
15. Course report

Learning time: 13h
Theory classes: 3h
Self study: 10h

Description:
Presentation and summary of course report(s).

Related activities:
Presentation

Specific objectives:
Consolidation of learnings.

Qualification system

Exercise 2. Presentation and defense of one exercise.

Bibliography

Basic: