250ST2024 - Airports Management

Coordinating unit: 240 - ETSEIB - Barcelona School of Industrial Engineering
Teaching unit: 751 - DECA - Department of Civil and Environmental Engineering
Academic year: 2017
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:</th>
<th>0h</th>
<th>0.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>30h</td>
<td>24.00%</td>
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<tr>
<td></td>
<td>Hours small group:</td>
<td>15h</td>
<td>12.00%</td>
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<tr>
<td></td>
<td>Guided activities:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study:</td>
<td>80h</td>
<td>64.00%</td>
</tr>
</tbody>
</table>
1. Introduction to Airport Management (1)

**Description:**
1. Introduction to Airport Management (1)

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

2. Statistics, operators and normative framework

**Description:**
Statistics, operators and normative framework

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

3. Airline management

**Description:**
Airline management

**Learning time:** 9h
- Theory classes: 3h
- Self study: 6h

4. Airline management (2)

**Description:**
Airline management

**Learning time:** 9h
- Theory classes: 3h
- Self study: 6h

5. Airport planning

**Description:**
Airport planning

**Learning time:** 7h
- Theory classes: 3h
- Self study: 4h
<table>
<thead>
<tr>
<th>Course</th>
<th>Learning time</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Capacity management and operations</td>
<td>7h</td>
<td>Capacity management and operations</td>
</tr>
<tr>
<td>7. Capacity management and operations (2)</td>
<td>8h</td>
<td>Capacity management and operations</td>
</tr>
<tr>
<td>8. Airport economics</td>
<td>8h</td>
<td>Airport economics</td>
</tr>
<tr>
<td>9. Airport management and competition</td>
<td>8h</td>
<td>Airport management and competition</td>
</tr>
<tr>
<td>10. Low cost carriers</td>
<td>8h</td>
<td>Low cost carriers. Drivers of new markets.</td>
</tr>
</tbody>
</table>
### 11. Airport access: infrastructures, parking and public transport

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

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

### 12. Air Cargo

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

**Description:**  
Air Cargo

### 13. Sustainability of air transport

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

**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

### 14. Airport Security

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

**Description:**  

**Related activities:**  
Theory and cases

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

<table>
<thead>
<tr>
<th>Learning time:</th>
<th>13h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory classes:</td>
<td>3h</td>
</tr>
<tr>
<td>Self study:</td>
<td>10h</td>
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</table>

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

**Related activities:**
Presentation

**Specific objectives:**
Consolidation of learnings.

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**Qualification system**

Exercise 2. Presentation and defense of one exercise.

**Bibliography**

**Basic:**