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:</th>
<th>30h</th>
<th>24.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours small group:</td>
<td>15h</td>
<td>12.00%</td>
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<tr>
<td></td>
<td>Self study:</td>
<td>80h</td>
<td>64.00%</td>
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</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
### 6. Capacity management and operations

<table>
<thead>
<tr>
<th>Description:</th>
<th>Capacity management and operations</th>
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**Learning time:** 7h  
Theory classes: 3h  
Self study: 4h

### 7. Capacity management and operations (2)

<table>
<thead>
<tr>
<th>Description:</th>
<th>Capacity management and operations</th>
</tr>
</thead>
</table>

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

### 8. Airport economics

<table>
<thead>
<tr>
<th>Description:</th>
<th>Airport economics</th>
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</thead>
</table>

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

### 9. Airport management and competition

<table>
<thead>
<tr>
<th>Description:</th>
<th>Airport management and competition</th>
</tr>
</thead>
</table>

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

### 10. Low cost carriers

<table>
<thead>
<tr>
<th>Description:</th>
<th>Low cost carriers. Drivers of new markets.</th>
</tr>
</thead>
</table>

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

### 12. Air Cargo

**Description:**
Air Cargo

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

### 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

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

### 14. Airport Security

**Description:**

**Related activities:**
Theory and cases

**Specific objectives:**
Understanding airport security.

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


