300307 - CPA-OA - Adaptive Control and Processing

**Coordinating unit:** 300 - EETAC - Castelldefels School of Telecommunications and Aerospace Engineering

**Teaching unit:** 739 - TSC - Department of Signal Theory and Communications

**Academic year:** 2017

**Degree:**
- BACHELOR’S DEGREE IN AEROSPACE SYSTEMS ENGINEERING (Syllabus 2015). (Teaching unit Optional)
- BACHELOR’S DEGREE IN AIRPORT ENGINEERING (Syllabus 2010). (Teaching unit Optional)
- BACHELOR’S DEGREE IN AIR NAVIGATION ENGINEERING (Syllabus 2010). (Teaching unit Optional)

**ECTS credits:** 3

**Teaching languages:** Catalan, Spanish

---

**Teaching staff**

**Coordinator:** Montoro Lopez, Gabriel

**Others:** Gilabert Pinal, Pere Lluis

---

**Learning objectives of the subject**

The basics of adaptive systems, both for adaptive control applications and for adaptive filtering.

---

**Study load**

<table>
<thead>
<tr>
<th>Total learning time: 75h</th>
<th>Hours large group: 0h</th>
<th>0.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours medium group:</td>
<td>30h</td>
<td>40.00%</td>
</tr>
<tr>
<td>Hours small group:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td>Guided activities:</td>
<td>3h</td>
<td>4.00%</td>
</tr>
<tr>
<td>Self study:</td>
<td>42h</td>
<td>56.00%</td>
</tr>
</tbody>
</table>
### Title English

<table>
<thead>
<tr>
<th>Description:</th>
<th>Content English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning time: 6h 30m</td>
<td>Practical classes: 2h 30m Self study: 4h</td>
</tr>
<tr>
<td>Practical classes: 2h 30m Self study: 4h</td>
<td></td>
</tr>
<tr>
<td>Practical classes: 2h 30m Self study: 4h</td>
<td></td>
</tr>
<tr>
<td>Practical classes: 2h 30m Self study: 4h</td>
<td></td>
</tr>
<tr>
<td>Practical classes: 2h 30m Self study: 4h</td>
<td></td>
</tr>
</tbody>
</table>
### Description:

- **Learning time:** 11h
  - Practical classes: 5h
  - Self study: 6h

- **Learning time:** 8h 30m
  - Practical classes: 2h 30m
  - Self study: 6h

- **Learning time:** 20h
  - Practical classes: 10h
  - Self study: 10h

- **Learning time:** 3h
  - Guided activities: 3h

### Bibliography