220609 - Transport Logistics and Storage

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 707 - ESAII - Department of Automatic Control
Academic year: 2018
Degree: MASTER’S DEGREE IN AUTOMATIC SYSTEMS AND INDUSTRIAL ELECTRONICS (Syllabus 2012). (Teaching unit Optional)
ECTS credits: 5
Teaching languages: Catalan

Teaching staff
Coordinator: Rita Maria Planas Dangla

Degree competences to which the subject contributes

Transversal:
3. TEAMWORK. Being able to work as a team player, either as a member or as a leader. Contributing to projects pragmatically and responsibly, by reaching commitments in accordance to the resources that are available.
4. EFFECTIVE USE OF INFORMATION RESOURCES. Managing the acquisition, structure, analysis and display of information from the own field of specialization. Taking a critical stance with regard to the results obtained.

Teaching methodology

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group: 31h</th>
<th>24.80%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hours small group: 14h</td>
<td>11.20%</td>
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<tr>
<td></td>
<td>Self study: 80h</td>
<td>64.00%</td>
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</tbody>
</table>
## Content

| (ENG) Introducció: Magatzems i Sistemes de Transport intel·ligents | Learning time: 4h  
Theory classes: 2h  
Self study: 2h |
|---------------------------------------------------------------|----------------------------------|
| (ENG) Disseny físic de magatzems | Learning time: 12h  
Theory classes: 5h  
Self study: 7h |
| (ENG) Gestió de magatzems i control de stocks | Learning time: 23h  
Theory classes: 4h  
Laboratory classes: 4h  
Self study: 15h |
| (ENG) Anàlisis de costos: Millora de magatzems | Learning time: 11h  
Theory classes: 4h  
Self study: 7h |
| (ENG) Sistemes de Transport Intel·ligent | Learning time: 6h  
Theory classes: 2h  
Self study: 4h |
| (ENG) Dimensionat de flotes i definició de layouts | Learning time: 21h  
Theory classes: 5h  
Laboratory classes: 2h  
Self study: 14h |
### Planning of activities

<table>
<thead>
<tr>
<th>(ENG) Models d'optimització per problemes de transport</th>
<th>Learning time: 39h</th>
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</thead>
<tbody>
<tr>
<td>Theory classes: 5h</td>
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<tr>
<td>Laboratory classes: 8h</td>
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<tr>
<td>Self study: 26h</td>
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<table>
<thead>
<tr>
<th>(ENG) Gestió dels sistemes de transport</th>
<th>Learning time: 9h</th>
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<tbody>
<tr>
<td>Theory classes: 4h</td>
<td></td>
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<tr>
<td>Self study: 5h</td>
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#### Qualification system

#### Regulations for carrying out activities
Bibliography