Course guide
340050 - TEMA-M5O12 - Machine Theory

Unit in charge: Vilanova i la Geltrú School of Engineering
Teaching unit: 712 - EM - Department of Mechanical Engineering.

Degree: BACHELOR’S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR’S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR’S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Compulsory subject).

Academic year: 2023  ECTS Credits: 6.0  Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: JOAN SOLE ROVIRA

Others: JOAN SOLE ROVIRA

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
3. CE13. Knowledge of theatrical basics of machines and mechanisms

Transversal:
2. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.

TEACHING METHODOLOGY

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LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>52,5</td>
<td>35.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>7,5</td>
<td>5.00</td>
</tr>
<tr>
<td>Self study</td>
<td>90,0</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Total learning time: 150 h
## CONTENTS

### (ENG) 1 - Cinemàtica de mecanismes

**Description:** 

- **Full-or-part-time:** 62h 07m  
  - Theory classes: 18h 30m  
  - Laboratory classes: 2h 30m  
  - Guided activities: 41h 07m

### (ENG) 2 - Dinàmica de mecanismes

**Description:** 

- **Full-or-part-time:** 24h 18m  
  - Theory classes: 10h  
  - Laboratory classes: 2h  
  - Guided activities: 12h 18m

### (ENG) 3 - Dinàmica de mecanismes

**Description:** 

- **Full-or-part-time:** 63h 35m  
  - Theory classes: 24h  
  - Laboratory classes: 3h  
  - Guided activities: 36h 35m

## ACTIVITIES

### A1. EVALUATION OF THE LEARNING PROCESS

**Description:** 

- **Full-or-part-time:** 27h 55m  
  - Guided activities: 27h 55m

### name english

**Full-or-part-time:** 7h 30m  
Theory classes: 7h 30m

### A3. EVALUATION FOR ACCREDITATION

**Full-or-part-time:** 8h  
Theory classes: 8h
GRADING SYSTEM

The training activities of knowledge acquisition and related to the control of the learning process of the student will be evaluated with the support of the platform SoRAP and will assume 6% of the final grade of the subject. The assessment evaluation activities will be solved in two evaluation acts that will be planned by the School within the periods of partial evaluation and final evaluation, respectively. These accrediting evaluation activities will take the form of written exercises, their results will correspond to 94% of the final grade of the subject and will be reevaluable (during the reevaluation period) according to what is specified in the academic regulations of the Degree studies.

BIBLIOGRAPHY

Basic:

Complementary: