

**Información del Plan Docente**

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|------------------------|---|
| <b>Academic Year</b>   | 2016/17   |
| <b>Academic center</b> | 110 - Escuela de Ingeniería y Arquitectura        |
| <b>Degree</b>          | 434 - Bachelor's Degree in Mechanical Engineering |
| <b>ECTS</b>            | 6.0   |
| <b>Course</b>          | 3   |
| <b>Period</b>          | Half-yearly                                       |
| <b>Subject Type</b>    | Compulsory  |
| <b>Module</b>          | ---   |

**1.Basic info****1.1.Recommendations to take this course****1.2.Activities and key dates for the course****2.Initiation****2.1.Learning outcomes that define the subject****2.2.Introduction****3.Context and competences****3.1.Goals****3.2.Context and meaning of the subject in the degree****3.3.Competences****3.4.Importance of learning outcomes****4.Evaluation****5.Activities and resources****5.1.General methodological presentation****5.2.Learning activities****5.3.Program**

1. Automatica fundamentals.
2. Automation of discrete event systems. Programmable logic controllers (PLC's).
3. Dynamic behavior of continuous systems.
4. Feedback systems. Basic actions and control schemes. PID control.

**5.4.Planning and scheduling**

**5.5.Bibliography and recomended resources**