Degree competences to which the subject contributes

Transversal:
1. EFFECTIVE USE OF INFORMATION RESOURCES: Managing the acquisition, structuring, analysis and display of data and information in the chosen area of specialisation and critically assessing the results obtained.
2. ENTREPRENEURSHIP AND INNOVATION: Being aware of and understanding how companies are organised and the principles that govern their activity, and being able to understand employment regulations and the relationships between planning, industrial and commercial strategies, quality and profit.
3. FOREIGN LANGUAGE: Achieving a level of spoken and written proficiency in a foreign language, preferably English, that meets the needs of the profession and the labour market.
4. SUSTAINABILITY AND SOCIAL COMMITMENT: Being aware of and understanding the complexity of the economic and social phenomena typical of a welfare society, and being able to relate social welfare to globalisation and sustainability and to use technique, technology, economics and sustainability in a balanced and compatible manner.
5. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.

Learning objectives of the subject:
The objective of this course is to introduce the student into the scientific research methodologies. In this regard, and under the supervision of a research advisor, the student will carry out a research project in the area of Electronic Engineering.
If the advisor is not a UPC member, a co-advisor belonging to UPC academic staff must be proposed. Both the advisor and co-advisor must hold a PhD degree.

Learning results of the subject:
- To provide the ability of analysing the state of the art of a research subject.
- To provide the ability of formulating hypothesis, propose models and/or experimentally validate any of those.
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Planning of Activities:
- The student must sign up within the allocated normal period for enrolment of the MEE.
- At the moment of enrolment the student must provide a form with the acceptance of the advisor (and co-advisor if this is the case) specifying the title and a brief description of the contents of the work to be performed. The form must be endorsed by the Academic Commission of the MEE. If the advisor is not a UPC member, a co-advisor belonging to UPC academic staff must be proposed. Both the advisor and co-advisor must hold a PhD degree.
- An evaluating committee will be assigned to the student to present the research results. The evaluation must be performed before the final deadline for the submission of grades within the same semester.

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Bibliography