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.

Content

<table>
<thead>
<tr>
<th>It will depend on the specific contents of the proposal</th>
<th>Learning time: 0h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Laboratory classes: 0h</td>
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<td>Guided activities: 0h</td>
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<tr>
<td></td>
<td>Self study : 0h</td>
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Qualification system

- The evaluation committee will be composed of three professors belonging to a PhD program at UPC.
- The student will prepare a 6-10 pages report in the form of a journal research paper, and will make it available to the evaluating committee at least one week before the presentation.
- The student will make a short presentation (20 minutes maximum) of the work to the evaluating committee which will then evaluate the student.
- Explicit mention of the original research results obtained by the student must be made both in the report and in the presentation to the evaluating commission. Failure to do so may result in a negative evaluation of the course.

Bibliography