DOCTORATE PROGRAMME IN APPLIED ENGINEERING

NON-REGULATED TRAINING OF THE DOCTORAL PROGRAMME

Below is a breakdown of the non-regulated training included in the Doctoral Programme, indicating which Doctorate competencies are developed through these activities.

Activity 1	• Attendance at specialised conferences.
Description of the activity	-Attendance at specialised conferences related to the thesis topic.
Competencies	CB15 Ability to communicate with the academic and scientific community and with society in general about their areas of knowledge in the modes and languages commonly used in their international scientific community.

Activity 2	• Presentation of Papers and Posters.
Description of the activity	-Presentation of papers and posters related to the development of the thesis
Competencies	CB13 - Ability to contribute to the expansion of the frontiers of knowledge through original research. CB15 Ability to communicate with the academic and scientific community and with society in general about their fields of knowledge in the modes and languages commonly used in their international scientific community. CB16 - Ability to promote, in academic and professional contexts, scientific, technological, social, artistic or cultural advancement within a knowledge-based society.

Activity 3	• Writing and sending of articles for their revision and contribution
Description of the activity	-Writing and submitting articles related to the development of the thesis for review and publication in specialised journals.
Competencies	CB13 - Ability to contribute to the expansion of the frontiers of knowledge through original research. CB14 - Ability to critically analyse, evaluate and synthesise new and complex ideas. CB15 - Ability to communicate with the academic and scientific community and with society in general about their areas of knowledge in the modes and languages commonly used in their international scientific community. CB16 - Ability to promote, in academic and professional contexts, scientific, technological, social, artistic or cultural advancement within a knowledge-based society. CB17 - Ability to promote, in academic and professional contexts, scientific, technological, social, artistic or cultural advancement within a knowledge-based society.

Activity 4	• Participation in research projects, in different fields (national and international).
Description of the activity	-Collaborate in establishing the state of the art. -Collaborate in the development and application of models and simulations. -Collaborate in the development of experimental methodology and its application. -Collaborate in drafting the technical section of the report and the project's disclaimers.
Competencies	CB12 - Ability to conceive, design or create, implement and adopt a substantial research or creative process. CB13 - Ability to contribute to the expansion of the frontiers of knowledge through original research.

	CA01 - Functioning in contexts where there is little specific information. CA02 - Identifying the key questions that need to be answered in order to solve a complex problem. CA03 - Designing, creating, developing and undertaking novel and innovative projects in their field of knowledge. CA04 - Working both as part of a team and independently in an international or multidisciplinary context. CA06 - Critically assess and intellectually defend solutions.

Activity 5	• Participation in research contracts, in different fields (national and international).
Description of the activity	-Collaborate in establishing the state of the art. -Collaborate in the development and application of models and simulations. -Collaborate in the development of experimental methodology and its application. -Collaborate in drafting the technical section of the report and the project's disclaimers.
Competencies	CB12 - Ability to conceive, design or create, implement and adopt a substantial research or creation process. CB13 - Ability to contribute to the expansion of the frontiers of knowledge through original research. CA01 - Functioning in contexts where there is little specific information. CA02 - Finding the key questions that need to be answered to solve a complex problem. CA03 - Design, create, develop and undertake novel and innovative projects in your field of knowledge. CA04 - Work both in a team and independently in an international or multidisciplinary context. CA06 - Critically assess and defend solutions.

Activity 6	• University teacher training practices
Description of the activity	- Assist in supervising laboratory practicals. - Assist in supervising final degree projects.
Competencies	CB15 - Ability to communicate with the academic and scientific community and with society in general about their areas of knowledge in the modes and languages commonly used in their international scientific community. CB16 - Ability to promote, in academic and professional contexts, scientific, technological, social, artistic or cultural advancement within a knowledge-based society.

Activity 7	• Drafting of Patents.
Description of the activity	- Collaborate in drafting the prior art -Collaborate in drafting the claims
Competencies	CB13 - Ability to contribute to the expansion of the frontiers of knowledge through original research. CA03 - Design, create, develop and undertake novel and innovative projects in their field of knowledge. CA06 - Intellectual criticism and defence of solutions.

Activity 8	• Course programmes in other universities.
Description of the activity	-Attendance at courses at other universities and centres related to the subject of the thesis.

Competencies	CB11 – Systematic understanding of a field of study and mastery of the research skills and methods related to that field.

Activity 9	• Doing stays in external centres.
Description of the activity	- Participate in the activities and functions provided for in the agreement governing the stay, which, in turn, may correspond to any of the above activities.
Competencies	CA04 - Working both as part of a team and independently in an international or multidisciplinary context. CB11 - Systematic understanding of a field of study and mastery of the research skills and methods related to that field. CB13 - Ability to contribute to the expansion of the frontiers of knowledge through original research.

Activity 10	• Any other that has been previously approved by the CAPD
Description of the activity	Depending on the activity
Competencies	Depending on the activity