



In this document, the minimum essential contents that must be included in the Research Plan, the Data Management Plan, and the Training Plan, are detailed for all doctoral students enrolled at UPC from the academic year 2023/24.

Research Plan

Doctoral Student: [Doctoral Student's Name]
Provisional Title of the Thesis: [Provisional Title of the Thesis]
Doctoral Program: [Name of the doctoral program]
Supervisor: [Supervisor's Name]
Co-supervisor: [Co-supervisor's Name (if applicable)]
Tutor: [Academic Tutor's Name (if applicable)]
Date: [Date]

Summary

Brief introduction to the contents of the research plan, summarizing the key points.

State of the Art

Review of the current literature related to the thesis topic. Includes theories, research, and relevant existing work.

Objectives

Clear description of the main purpose of the research. May include the main objective and specific objectives.

Methodology

*Detailed description of the methods to be used to collect and analyze data.
Required Equipment: List of equipment or tools necessary to carry out the research.*

Timeline

Project Phases:

- 1. Phase 1: Detailed description of what will be done in Phase 1*
 - 2. Phase 2: Detailed description of what will be done in Phase 2*
- Includes all necessary phases.*

Timeline: Visual representation of the timeline with key dates.

Bibliography/References

Includes a complete list of the sources consulted so far for your work, with complete citations.

Data Management Plan

The Data Management Plan (DMP) is a methodological document that describes the lifecycle of data collected, generated, and processed during the doctoral thesis. This plan must include at least the types of data to be processed, their format, origin, storage, and measures to ensure that they will be treated FAIR (Findable, Accessible, Interoperable, Reusable). You will find more information on managing research data at: <https://dadesrecerca.upc.edu/>

If the research involves interaction with humans or the collection and/or processing of personal data, it will be necessary to ensure compliance with the measures provided for in the General Data Protection Regulation. This brief [guide](#) will help you determine which measures are necessary.



For more information: <https://biblioteca.upc.edu/en/investigadors/pla-gestio-dades> . The template for preparing the data plan and attaching it to this document as an Annex is available at: https://dmp.csuc.cat/public_templates

Training Plan

The personal training plan must include a forecast of the various training activities that will be carried out during the doctoral studies (courses, conferences, seminars, mobility actions, etc.). The training plan must necessarily include some training activity related to [open science](#).

Once the training activities included in the training plan (or others that may arise) have been completed, the corresponding justification must be obtained and the information must be entered into the Doctoral Student Activity Document (DAD). It is important to keep in mind that this document is a living document that can be updated throughout the doctoral studies.

- **Courses, seminars, or specific workshops of the Doctoral Program:**
 - Training related to the scientific equipment that will be used by the doctoral student (use, regulations, and/or risk prevention).
 - Participation in courses, seminars, or specific workshops of the Doctoral Program, whether scheduled by the research groups in which the doctoral student is working or organized by the Program itself.
 - Attendance plan for conferences, symposia, and/or training schools.

- **Transversal Training:**

The transversal training offer organized by the Doctoral School, classified into different training lines to configure a personalized training itinerary, can be found at: https://doctorat.upc.edu/en/doctoral-candidates/cross-disciplinary-training/cross-disciplinary-training-2?set_language=en

It is mandatory to include some activity related to open science and citizen science (which can be a scientific dissemination activity to society).

Once the course is completed, the corresponding justification must be obtained and the information must be entered into the DAD.

- **Mobility:**

If stays at other research centers or universities are planned, details and expected dates must be included. Keep in mind that research stays in higher education institutions or prestigious research centers outside of Spain equal to or exceeding 3 months allow applying for the International Mention (for more information: https://doctorat.upc.edu/en/doctoral-thesis/international-doctorate-mention?set_language=en).