This document provides a guide text format that can be modified for a better presentation of the Final Degree Project (FDP).

It is recommended that the maximum memory extension does not exceed 80 pages, including annexes.



Mining and Energy Engineering School

FINAL DEGREE PROJECT

*FDP title*

Degree in Engineering…. (DEGREE TITLE)

STUDENT: Name and surname

SUPERVISORS:Name and surname

 Name and surname

Vigo, XX of XXXXX of 20XX



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# Summary

The abstract consists of a short text (250 to 500 words) that informs about the content and nature of the document. It includes: (i) objectives, (ii) methods (if it is an experimental work, it must indicate the techniques and methods used in the research; if it is a non-experimental work, the data sources and their management), (iii) results (discoveries and interpretation) and (iv) conclusions (implications of the results and their relationship with the purpose of the work).

# Introduction

Final Degree Projects (FDP) can be academic, research or engineering projects. In any case, the FDP report will contain at least the following sections: summary, introduction, methodology used, results and discussion, conclusions, bibliographic references and annexes (when applicable). Throughout the report, relevant citations of the information provided will be included, indicating the reference with a number between brackets [1-4] in order of appearance. Bibliographic references of an academic, regulatory or official institution nature will be prioritized (regulations, scientific articles, books, theses, patents, etc.).

The objective of this section is to contextualize the work, including motivation, objectives, scope (chronological, geographical, typological, etc.) and justification. A brief description of the memory structure may also be included.

**2 .1 Example of a section within a chapter**

This is an example of a section within a chapter.

2.1.1 Example of a subsection within a section

This is an example of a subsection within a section.

Figures and **tables must be cited in the report and inserted in the precise place in** the body of the text after their citation and as close as possible to it. When the table or figure is not created by the user, the source or authorship must be indicated. There will be separate consecutive numbering systems for figures and tables. Both figures and tables will have an informative legend on the basis of the following format:



Figure 1 . School of Mining and Energy Engineering [5]

|  |
| --- |
| *Table 1 . Power and nominal speed data in a wind farm* |
| Power (MW) | Rated speed (m/s) |
| 0.1·10 7 | 0.9 |
| 0.2·10 7 | 2.0 |
| 0.3·10 7 | 6.1 |
| 0.4·10 7 | 8.5 |
| 0.5·10 7 | 10.0 |

Likewise, the **equations** must be numbered consecutively throughout the FDP report. The equation number will be written between parenthesis and justified to the right, and the equation variables, parameters and units of measurement must be explained (preferably in the International System of Units), according to the example.

|  |  |
| --- | --- |
| $$F=G\frac{M×m}{d^{2}}$$ | ( 1 ) |

where F is the force (N), M and m are the masses (kg), d the distance between them (m) and G the universal gravitation constant, with a value of 6.674·10 -11 (Nm 2 / kg 2 ).

#  Methodology used

This section should describe what and how was done in the FDP.

**3 .1 Example of a section within a chapter**

This is an example of a section within a chapter.

3.1.1 Example of a subsection within a section

This is an example of a subsection within a section.

#  Results and discussion

This section presents the results, as well as their analysis and discussion.

**4 .1 Example of a section within a chapter**

This is an example of a section within a chapter.

4.1.1 Example of a subsection within a section

This is an example of a subsection within a section.

#  Conclusions

They must result from the clear and organized presentation of the deductions made during the work. It is not merely a matter of describing or listing what has been done. Future lines of work should be included, if applicable.

# Bibliographic references

Collect the set of consulted documents cited throughout the work, arranged in order of appearance: books, articles, magazines, regulations and legislation, technical reports, etc. It must also include webgraphy, indicating the date on which the query was made and the web address.

[1] A. Hoffmann, E. Granados, J. Liu (2023) Design of novel materials for turbines. New Trends in Mechanical Engineering , 42: 11435-11442 (Example for citing a scientific article)

[2] GL Barber (2012) Wind Turbine. US Patent, US Code 8,109,727 B2, (Example to cite a patent)

[3] G. Rosen, A. González (2020) Wind turbines, Elsevier Publishing, Netherlands. (Example to cite a book)

[4] Standard UNE-EN IEC 61400-1: 2020. Wind energy generation systems. Part 1: Design requirements (Example to cite a standard)

[5] <https://minaseenerxia.uvigo.es/es/escuela/presentacion/historia/>. Accessed May 8, 2024 . (Example to cite a web page)

# Annexes

Its purpose is to complete the body of the work with detailed information that does not fit in the memory. The aim is to avoid breaking its logical and orderly presentation or to offer complementary data that helps to understand the methods used: budget, plans, maps, samples, photographs, glossaries, etc. .