

1. GENERAL REQUIREMENTS

The preparation of the thesis and its defense in the department are prerequisites for the final oral examination. It is essential for all students to solve the chosen topic and assignment to the standard expected of a professional engineer, drawing on the knowledge acquired at university.

The aim of the thesis is for the professional engineer candidate to demonstrate his/her knowledge of the relevant literature in the field of environmental management and protection, both at home and abroad, as well as his/her analytical and evaluative skills. Demonstrate the ability to carry out observations (experiments), collect, process, and evaluate data and to draw correct conclusions from them.

The thesis must demonstrate the candidate's ability to apply the acquired knowledge in practice and to use it in a creative way.

Thesis topics should be chosen in such a way that they are in line with the educational objectives and meet practical needs, while at the same time giving the candidate the opportunity to carry out the necessary studies, collect and process data. Thesis topics are provided by the departments involved in the teaching.

After choosing the topic for their thesis, geography students are required to prepare a draft of the topic, which is signed by the thesis supervisor.

The thesis should not exceed 50 pages.

The thesis may be assessed on the basis of the criteria specified by the department which has published the thesis, or by a lecturer, researcher or practitioner from another institution if requested. The thesis must be submitted for a departmental examination, giving the author the opportunity to answer questions raised during the examination and to defend his/her position.

2. II. FORMAL AND CONTENT REQUIREMENTS FOR THE THESIS

2.1 Structure of the thesis

The structure of the thesis should be as follows:

- Title
- Table of contents
- Introduction
- Topic statement
- Literature review
- Material and methodology of the studies
- Study results and their evaluation
- Conclusions and recommendations
- Summary
- Bibliography

The table of contents should be published in decimal numbering on the page following the inside title page.

2.2 Formal requirements for the preparation of the thesis

2.2.1 Typing and phrasing

The text should be phrased without any plagiarism. Accordingly, we do not accept the style of copy-pasted paragraphs when the original text can be identified (i.e., changing the words until the sentence seems new). The preferred and accepted style reflects the logic of the author, which is the product of reading, thinking, and phrasing of the text. All thesis is checked by Turnitin plagiarism checker, and we emphasize that not the proportion is the important (of course it does matter), but the independency of the phrasing. If the above practice is experienced, supervisors will not accept the thesis.

The thesis must be written on A/4 size paper, typed on a line-spacing of 1.5, with margins of 3 cm on the left and 2 cm on the right.

The content and aesthetic value of the essay is enhanced by the use of clear tables, figures, graphs, diagrams and photographs.

Each table, figure, etc., should be titled and numbered, with the title and number of the table above the table and the title and number of the figure below the figure. Each should be referred to in the text. The SI (Système International d'Unités) notation shall be used for the units of measurement of physical quantities.

Tables are recommended to be inserted in the following format:

- single line spacing (1.0 single spacing) should be used both in the tables and in the title.
- use 0.3 spacing between the Table and the Title of the table, and between the Source and the Table
- in-text reference is required for the Table: “As data show (Table 1), there is an obvious increase in...”

Table 1 Distribution of passive houses by functions in the world and in Germany at the end of 2013 (%) (Source: James, 2021)

	World	Germany
family houses	60.4	57.8
other houses with residential function*	26.6	31.2
residential function in total	87.0	89.0
administrative function	3.9	3.9
mixed (residential and market) function	1.3	1.5

Figures are recommended to be inserted in the following format:

- single line spacing (1.0 single spacing) should be used both in the Title.
- use 0.3 spacing between the Figure and the Title of the Figure, and between the Source and the Title of the Figure
- in-text reference is required for the Figure: “As data show (Figure 1), there is an obvious increase in...”

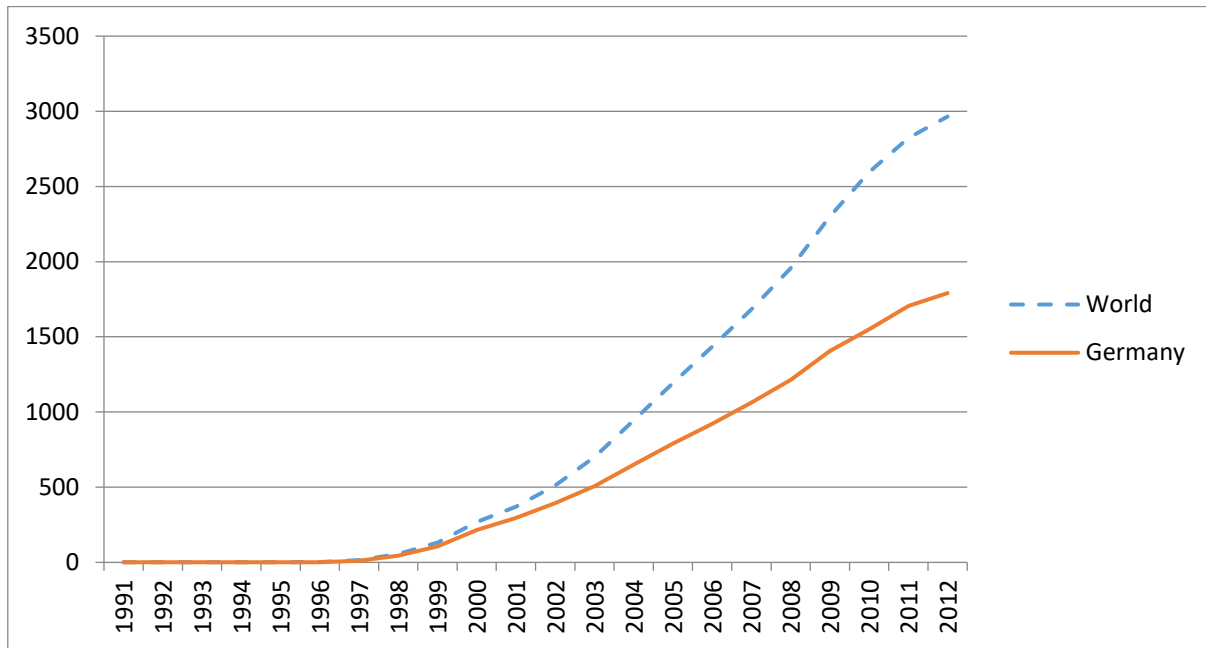


Figure 1 Changes in the number of passive houses between 1991 and 2012 in the World and in Germany (Source: Brooks, 2009)

2.2.2. Structuring of the thesis

- **The title**

It should be short, clear, and expressive of the content.

- **Introduction**

Address the theoretical and practical relevance of the topic (maximum 2 pages). The last paragraph should indicate the clear aims of the thesis.

- **Literature review**

A review of the literature closely related to the topic. Critically analyze and evaluate the results presented in the literature. The length of the paper should be 15-20%.

- **Materials and methodology**

When describing the materials and methods used in the experiments and tests, the conditions and methods of the experiments and tests should be described. The chapter should not exceed 10 to 15 % of the total length. In case of a study on a specific area, the chapter should start with the introduction of the study area and its geographical settings.

- **Test results and their evaluation**

This chapter shall contain the results of the experiments and tests. The results should be summarized in tables, illustrated by diagrams, and justified by mathematical-statistical methods.

It is important that the candidate records and explains his results accurately and clearly and compares them with other test results. This section should represent 40-50% of the total content.

- **Conclusions, suggestions**

This chapter should present the main conclusions drawn from the test results and suggest practical applications and improvements of the methods used.

This chapter should be 2-3 pages long.

- **Summary**

This chapter is essentially a one-page summary of the thesis (briefly describe the conditions under which the studies were carried out and the issues they cover) like an Abstract. The main results, findings and conclusions drawn should be presented.) The aim should be to be concise and clear.

With the exception of the 'Introduction' and 'Summary' chapters, each chapter should be numbered in decimal notation - main chapters with one numeral (1, 2, 3, etc.) and sub-chapters with two or three numerals (1.1, 1.2, or 1.1.1, 1.1.2, etc.).

- **List of references**

The 'Bibliography' should be composed through the Zotero reference manager using the APA 7th edition format. The bibliography should be arranged in A-B-C order according to the names of the authors. Only literature which has been used by the candidate and referred to in his/her thesis should be included in the list.

2.2.3. Methods of citation within the body text

- By reference to the name of the author: name of the author followed by the year of publication. (e.g., Dothy, 1984.)
- In the case of three or more authors: name of the first author, "et al." the year of publication (e.g., Daniel et al., 1975.) If there are two authors, the names of both should be printed (e.g., Herold & Smith, 1984.)
- with reference to the established fact: description of the fact, author's name in brackets, comma, year of publication of the publication: e.g., "*In the evaluation of the samples, the above-ground part of the plant (Westkaje, 1963) was taken into account for the parent lines of hybrid combinations with different genotypes*".
- In the case of multiple authors: with reference to the established fact, the name of the first author: "et al.", comma, year: e.g., "*Inbred maize lines from Gödöllő, Germany, were irradiated with X-rays, gamma and neutrons to obtain earlier maturing protein-rich mutants (BÁLINT et al., 1979.)*"
- In the case of several publications stating the same fact: description of this fact, in brackets, authors are separated by semicolons: e.g., "*The links between biotechnology and future agriculture are discussed by several authors (Heszky, 1984; Dothy, 1984)*".
- Reference to several works by the same author published in the same year: name of the author, with the year numbers 'a', 'b', 'c', etc.
- In the text of the papers, the authors' names are capitalized. In the case of verbatim citations, the text should be enclosed in quotation marks.