

1 REQUIREMENTS FOR THE SUBJECTS OF THE PREPARATORY COURSE FOR BSc THESIS PROEJC/BACHELOR THESIS PROJECT AND DIPLOMA PROJECT

In BSc courses, the tasks to be developed in the Preparatory Course for BSc Thesis Project and Bachelor Thesis Project subjects are set out in the joint Diploma Work requirements for the two subjects, the completed thesis is called Diploma Work, which must be defended in the Diploma defence at the final examination.

In the MSc course, the tasks to be developed in the Diploma Project subject are contained in the Diploma Work requirements, the thesis is called Diploma Work, which must be defended in the Diploma defence at the final examination.

Current document contains the general faculty requirements; departments may define their own requirements, which are mandatory for students.

2 CHOOSING THE TOPIC OF THE THESIS, SUPERVISING AND CONSULTING THE THESIS

Thesis topics can be very diverse due to the wide range of subjects covered.

The choice of topic and the choice of adviser/thesis supervisor is the student's right, but the choice of topic and adviser must be announced before the thesis is written. When the topic is announced, the department issuing the assignment registers the title of the thesis, the topic to be developed, the name and contact details of the supervisor and adviser, and the student opens the workbook.

The thesis supervisor and adviser may be university lecturers or external experts, and in the case of a BSc thesis, an external industrial adviser is also expected, but a thesis supervisor appointed by the department is required (§ 140 (2) of the Code of Studies).

3 SUPPORTING THE STUDENT WRITING THE THESIS

The adviser/thesis supervisor should provide 3-5 personal consultation opportunities during the thesis period. The working diary should contain the questions and answers from the consultations, and the comments, suggestions and requests made by the consultant in the development of the thesis. BSc students are required to attend at least three face-to-face consultations in the first 7 weeks of the Preparatory Course for BSc

Thesis (one of which may be a presentation), and at least two further consultations thereafter. For MSc students, the minimum number of face-to-face consultations is three. If the student does not fulfil this obligation, the thesis will not be examined. Proof of participation in the consultation (consultation form) must be submitted with the thesis.

4 REQUIREMENTS FOR EDITING THE THESIS

As with all engineering work, there are certain formal requirements for (diploma) design and thesis assignments, which are intended to ensure the aesthetic appearance of the written work. The following is a brief description of the formal requirements that must be met to produce elegant and aesthetic publications.

The thesis optionally can be submitted in black hardback in two printed copies, one original and one copy, with identical contents. The cover should be marked DIPLOMAWORK for both BSc and MSc theses. In the bottom right-hand corner, the name of the student and the year of submission.

The thesis must be submitted in electronic form (on a data storage medium or uploaded to a repository designated by the department), which must include the full hard copy of the thesis in an editable (or at least searchable) format, as well as the major original plans, figures, codes, calculations.

The written work should be on A/4 size white paper. You may write (print) on both sides of the sheets.

The choice of margins should consider the following criteria: aesthetic layout, method of binding, numbering of pages, etc. The sum of the width of the two margins should not exceed 5 cm.

For the running text of the thesis, use a maximum of 1.5 line spacing and 12-point font (chapter headings may be larger, footnotes smaller). The sum of the two margins should be 5 cm wide. The total work (excluding appendices and annexes), including the table of contents, theses, bibliography, list of figures, if any, and explanation of symbols, should not exceed 100 pages. Minimum number of pages: BSc 50 pages, MSc 70 pages, except with the permission of the supervisor.

Structure of the essay:

1. Cover (University logo; title of the thesis; date of writing; student's name, NEPTUN code; names of the advisors)
2. Assignment description (original/copied signed copy)
3. Abstract (1-2 pages)
4. Abstract (1-2 pages in English)
5. Acknowledgement (optional)
6. Student statement on independent work on the thesis
7. Table of contents
8. Thesis
9. Bibliography (possible list of figures)
10. Annexes

The text of the thesis is divided into chapters with headings. They are closed on the left and numbered.

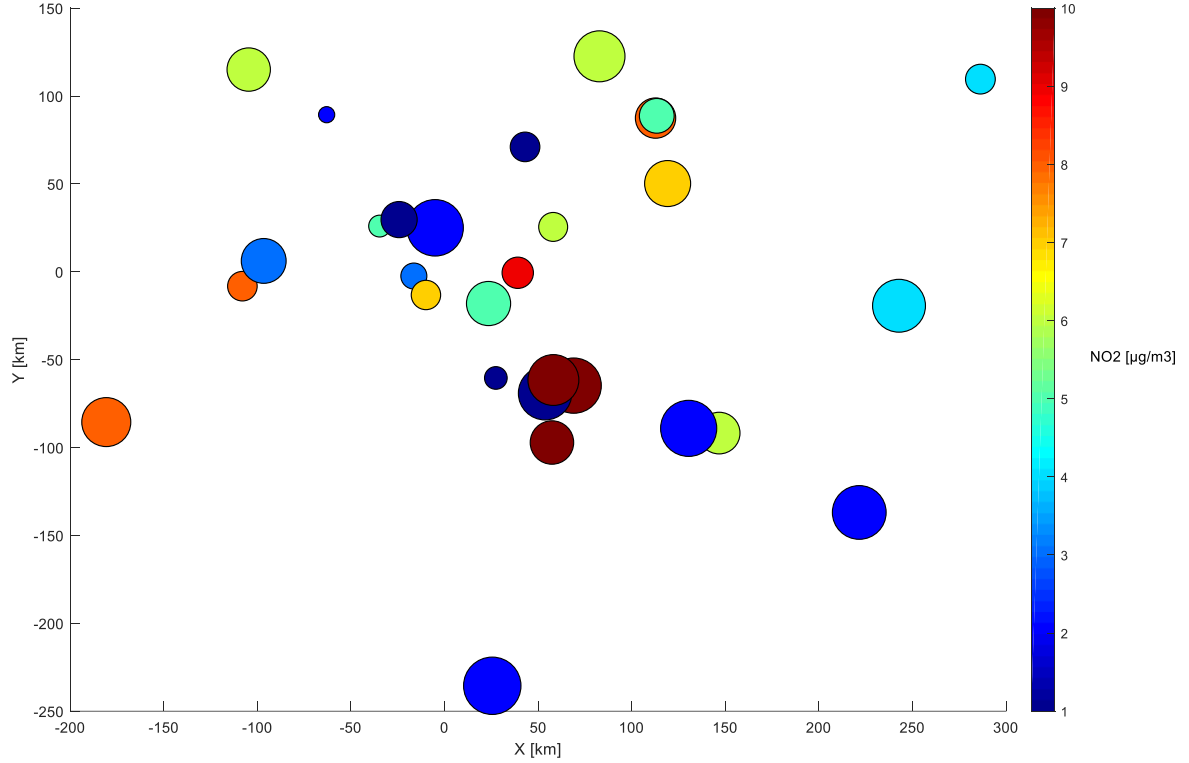
Figures and tables are placed in a central position. Figures should be numbered and captioned below the figures (Figure 1) and tables should be numbered and captioned above the tables (Table 1). No full stop after the title of the figure/table. For emphasis, captions should be in 10 pt normal characters, and the number and type (figure or table) may be in bold. Figures should not be bordered or framed. Units of measurement in tables or graphs should be indicated in square brackets, in column or row headings or on axes, i.e. not by item/value. Tables should not break at the end of pages.



Figure 1: Logo of the Department of Photogrammetry and Geoinformatics

Table 1: Nitrogen dioxide emission values for areas

Country	City	PO No.	NO ₂ [$\mu\text{g}/\text{m}^3$]
Hugary	Budapest	1111	10.1
Hungary	Debrecen	4024	5.3
Romania	Nagyvárad	410001	15.6

**Figure 2:** Spatial distribution of nitrogen dioxide emission values

Formulae/equations should be centered, numbered consecutively in brackets and numbered to the right margin, with 8 pt spacing before and after (1).

$$\hat{\mathbf{x}} = (\mathbf{A}^t \mathbf{P} \mathbf{A})^{-1} \mathbf{A}^t \mathbf{P} \mathbf{b}. \quad (1)$$

It is important that the referencing technique is standard, consistent, clear, and accurate, which makes the intellectual work credible. The bibliography and references should be provided in the order and format required. Applicable styles, IEEE, APA, Harvard, etc.

5 ASSESSMENT AND EVALUATION OF THE THESIS

The theses will be graded with a mark out of five. The supervisor decides whether to correct, revise or assign a new topic to an unsatisfactory thesis. The new thesis may be submitted and defended in the next examination period (generally in the next semester).

The thesis will be assessed by the designated reviewer(s) and may also be assessed by the supervisor, but the marking will be at the discretion of the Final Examination Committee.

One copy of the review must be made on forms provided by the Department. The marks and the thesis must be submitted to the Department Secretary. The student will receive a copy of the "student's page" of the review no later than 1 week before the defence.

6 DEFENDING THE THESIS

The thesis defence and the final examination will take place at a time set by the Department.

The student defends the thesis in the final examination. The oral presentation of the thesis topic is 10-15 minutes. A presentation in the form of a slide projection is recommended, for which the Department provides the technical equipment.

CONSULTATION FORM

Student name, NEPTUN code:

Thesis title:

#	Date of consultation	Signature
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

The thesis can be submitted:

Budapest,

STUDENT STATEMENT ON THE INDEPENDENCE ACTIVITY OF THE THESIS AND THE ETHICAL USE OF GENERATIVE ARTIFICIAL INTELLIGENCE (AI)

I, the undersigned (name)
student (Neptun code:) declare that in the course of writing my thesis entitled

.....

..... (title)

I have complied with the rules of the Copyright Act of 1999, Act LXXVI of 1999, and the rules for the writing of theses as prescribed by the BME Code of Studies, especially with regard to references and citations, and guidelines on the ethical use of generative artificial intelligence (AI).

I acknowledge that it is considered plagiarism/author infringement in the case of a thesis:

- quoting verbatim without quotation marks and without citation;
- quotation of the contents without citing a reference;
- citing another author's published ideas as your own.

I acknowledge that the methods and results presented in this thesis are the joint intellectual property of the researchers and institutions/companies involved in the research and development, and that their use and publication may only be made with the agreement of all concerned.

I further declare that I have not misled the consultant or the subject supervisor in the preparation of this thesis.

By signing this declaration, I acknowledge that if it can be proven that the thesis was not my own work, or if there is suspicion of copyright infringement or unethical use of generative artificial intelligence related to the thesis, the Budapest University of Technology and Economics reserves the right to reject the thesis and may initiate disciplinary proceedings against me.

I understand that copyright infringement may result in further consequences under civil, administrative, or criminal law.

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date

.....

(student name)