

Requirements regarding the content and format of PhD thesis and thesis booklets

PhD thesis

1. Thesis length

The maximum length of a thesis is 250 000 characters including the rows in diagrams (any “Appendices” and “Annexes” attached are not included).

2. The format of the bound thesis

The thesis should be bound in A4 or B5 size format.

3. Publications

The articles the thesis is based on are part of the submitted thesis, i.e. they must be submitted for the assessment of the thesis in the same number of copies as the thesis. In case the thesis bound jointly with the publications is too lengthy, it is recommended to attach photocopies of the articles bound in a single volume.

4. Declaration

Declaration of authorship (available for download on the website) should be completed and added in a bound format at the end of the thesis.

Thesis booklet (recommendations)

1) Purpose, the aspects of writing

The thesis booklet related to a PhD thesis is intended to briefly summarise the thesis, describe its background, the purpose of its writing and its most important results. The thesis booklet is intended for those who have not read, or will not read, the thesis in full but are interested to learn about the work described in the thesis. Accordingly, the thesis booklet must be comprehensible on its own.

2) The components of the thesis booklet

The thesis booklet has a front cover and a number of requirements regarding the format defined at the end of the recommendation. Our discussion below primarily focuses on the content. The thesis booklet includes the following chapters.

2.1. Front cover

The front cover of both the English and Hungarian documents must be prepared using the sample at the end of the document.

2.2. Introduction

The introduction is expected to describe the background of the thesis and the author’s motivation to perform the work and write the thesis. This may be a scientific topic the PhD student or the supervisor is interested in or a solution to a practical issue or problem. The introduction may also explain the goals of the thesis (approx. 0.5 to 1 page).

2.3. Literature review

This section is expected to provide an adequate background to understand the author's motivations and the thesis in its entirety. It describes the state of the art of the author's subject area, the latest achievements, the existing controversies and the issues to be addressed. Candidates may underpin their statements by referencing a few leading literary works in the footnote section. The goals of the work and the thesis may be included in this section instead of the introduction. Points 2.2 and 2.3 may also be combined (2 to 4 pages).

2.4. Experimental and/or calculation methods

This chapter is expected to describe only the most important materials and methods. It is unnecessary to include a detailed, comprehensive explanation. This chapter is intended to demonstrate that the methods are aligned with the findings and statements. This allows readers to decide how effectively the methods used promote the accomplishment of the set goals or other methods should have been applied (0.5 to 1 page).

2.5. Results

This section briefly explains the most important results achieved. Illustrations may be included to make the thesis booklet easier to understand and clearer to read. This chapter may contain diagrams, chemical equations, apparatus designs, flow charts or any other illustrations to support the written content (2 to 6 pages).

2.6. Thesis points

Thesis points describe, very briefly, in a few sentences, the most important **generalisable, new scientific or professional results** achieved. Thesis points may not include any illustrations or limited statements regarding one specific material, system, process etc. For example, the fact that the "melting temperature of a material using DSC measurement was 61.7 ° C" is not a generalisable new scientific finding. Known facts and conclusions may not be included in the thesis points chapter except if they are used to compare or underpin new findings or highlight their novelty. It is rather unlikely that a single PhD thesis will yield more than 6 to 8 generalisable, genuinely new scientific results. Increasing the number of thesis points unnecessarily will not increase the value of the PhD thesis (1 to 1.5 pages). In case any findings have been published relating to a thesis point, the thesis point should indicate the reference number of the publication.

2.7. Application or applicability

This short chapter describes how the candidate's findings have already been applied or how they are envisaged to be applied in the near or distant future (0.5 to 1 page).

2.6. Publications

The list of publications should reflect the candidate's professional activities. The list of publications should include all the required bibliography data (authors, title, journal, volume, booklet, page, year). In case of journals with an impact factor, the impact factor in effect at the time of the publication must also be included together with the number of independent citations, if there have been any, for the publication (e.g. IF: 4.42, FI: 34). The related DOI or ISBN (book chapter, conference volume) numbers must always be indicated. Candidates must indicate the extent of their contribution in

the publication (based on the co-author declaration). The list of publications in the thesis booklet should exclude any publication that has not been approved yet. In the case of presentations, the authors, the title, the name, date and place of the conference must be named and it should be indicated whether it was an oral or a poster presentation. Publications and presentations should be divided according to the publications forming the basis of the PhD thesis, other publications and presentations. A one-page abstract may not be accepted as a journal article. The following example shows how publications should be presented. Subject to the above criteria, alternative presentations are allowed.

S. G. Davies, M. F. Matthew, S. Kennedy, P. M. Roberts, J. E. Thomson: Asymmetric synthesis of d-fagomine and its diastereoisomers, *Tetrahedron*, **2018**, Vol. 74 (51). DOI: 10.1016/j.tet.2018.10.073. IF: 2,377; I: 8, FI: 5. [SGD: 70%]

3) Formal criteria

- the front cover of the thesis includes the title, the author's name, the supervisor and the consultant's name, the institution where the thesis was written and the year of submission
- a thesis is preferably 8 to 12 pages long
- line spacing: 1 or 1.5, font size: 12, font style: preferably Times New Roman
- theses must be stapled and a hard cover is recommended



**BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
FACULTY OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY
GEORGE OLÁH DOCTORAL SCHOOL**

(The George Oláh Doctoral School should only be named if the candidate was a PhD student at that school.)

<Title>

Thesis booklet

Author:
Supervisor: **(one person only!)**
Consultant:

<Place of writing> (Department, Laboratory)

Name, logo of any collaborators or employers (MTA Research Centre, foreign university) may be placed here

<Year of writing>