

# $\text{\LaTeX}$ challenge

TEREC Coding Club 24-09-2024

# Challenge from a previous PhD student

Dries Van De Loock was inspired by a very nicely lay-outed doctoral thesis. See today's directory 'PHD Brouwer 2007'.

(This thesis was probably made in InDesign – A publishing program for page layout from Adobe, aimed at graphic designers and production artists; so even another option to layout your thesis ;- )

If you finished an exercise or if they bore you (because the basics of  $\text{\LaTeX}$  don't have much secrets for you anymore), try to find out if some of these layout items can be copied in  $\text{\LaTeX}$ !

- 1 Chapter titlepage
- 2 Header & numbering of your page
- 3 Picture spread over two pages
- 4 Pictures ordered on page without the margins
- 5 References

# 1. Chapter titlepage

We have added a titlepage to our document. Find out if they can be added to chapters as well (probably only in document class 'book'?). Example 'PHD Brouwer 2007' p. 17

## 2. Header & numbering of your page

- 1 How to add **headers** to your pages with the line, 'chapter...' on your left page (even numbered) and title of that chapter on your right page (odd numbered)?
- 2 How to add **page-numbers** on your pages (also following the left-right page). How to make  $\text{\LaTeX}$  ignoring this on particular pages (that he keeps counting but leaves the number out on title pages, pages with a lot of pictures...).

### 3. Picture spread over two pages

Can this easily be done in  $\text{\LaTeX}$ ? See page 6

## 4. Pictures ordered on page without the margins

How can you easily spread pictures and make  $\text{\LaTeX}$  ignore margins for your figures?

See page 16

## 5. References

Not in the example thesis, but would be nice to know!

- 1 We have seen how to put references at the end of your document. Can they also be put between chapters, with the references used in that chapter?
- 2 Can you add letters A, B, C... in your list of references (to easily guide the eye where to find alphabetically ordered references)? This is used a lot in books with references spread over many pages.