List of exercises (Seminar Advanced Use of LaTeX)

All Materials for this seminar and the one for beginners can be found on:
http://nats-www.informatik.uni-hamburg.de/view/User/LaTeXNovember

0. Organizational
- Log in
- Create a folder "LatexAdvanced" on the Desktop where you will save all the files from today
- Check where the programs are: Miktex, TexnicCenter, JabRef, TeXworks

ATTENTION: When the compilation with TexnicCenter is not functioning (0 pages generated), it means that packages are missing. Open the file with TeXworks and compile it again. Missing packages will be installed on the fly. Return to TexnicCenter

1. Long Documents
- Create a project in TexnicCenter. Save it in the previously created folder.
- Download the files (TEX; BIB; JPG) of the seminar for beginners and save them in the same folder. Copy the text from the TEX file in your project. Compile. Analyze the advantages of working with projects.
- Work in teams: Decide what should be in a thesis (long document).
- Work in class: Final decision on the thesis
- Organizing longer documents: _____

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- Download the template for thesis (ZIP file: ThesisTemplate)
- Unzip the file inside your folder
- Compile ThesisComplete.tex
- Analyze the TEX file
- Analyze the folder structure
- Analyze the ThesisTemplate.cls
- Work with the template by adding more text, references, tables, pictures etc.
- Modify the CLS file if necessary. For information on the page layout, see the documentation of the fancyhdr package.

2. Beamer
- Create inside your main folder a new folder beamer
- Create a new TEX file and save it in this folder. \documentclass{beamer}
- Create a first slide with the text "Hello". Add a title to the slide
- Create the title slide
- Add before \begin{document} the commands
  - \beamertemplateshadingbackground{white!100}{white}
  - \usepackage{beamerthemesplit}
- Add more slides with text, pictures and tables
- Add overlays
- Add sections and subsections
- Create a slide for the table of contents
- Add hyperlinks

- Create blocks / structures
- Repeat slides
- Add animations
- Use themes and see the changes
- Download the example Presentation.zip and analyze it.

3. Poster

- Download the template for poster (ZIP file: Poster)
- Unzip the file inside your folder
- Compile poster-1.tex
- Analyze the TEX file
- Modify the content according to your needs. For further information see the documentation of the following packages: fancybox and textpos.