**Basic Skills and Methods Course**

**Introduction to writing with LaTeX**

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**Objectives**

In the age of online services for collaborative writing, such as Google Docs, you may ask what’s the point of learning LaTeX. The answer becomes clear when you need to write documents with complex structure that are required to meet style guidelines precisely, for instance scientific articles or books, including your thesis. Arguably one of the most powerful word processing software, LaTeX is popular among mathematicians, physicists, and computer scientists but remains relatively uncommon among other disciplines. In this introduction, we will show how to begin writing with LaTeX. Starting with a minimal document, we will present how to write an article – from basic elements, such as sections, to using style templates provided by journals. We will present how to write mathematical and chemical formulas, as well as quantities with units; how to include figures (vector graphics) and create tables; how to refer to sections, figures, tables, equations in text; how to create a table of contents, list of figures and list of tables; how to build an index; how to cite literature and create a reference list; how to track changes; how to write the slides for your next conference talk. In addition to LaTeX setups on personal computers, we will also discuss online services that support collaborative writing with LaTeX. Finally, we will briefly discuss versioning of LaTeX documents, and how such systems track changes, allow you to revert to previous versions, make sure you have a backup, and also support collaborative writing.

**Target group**

Absolute beginners in using LaTeX.

**Please note**

Participants who would like to **bring their own laptops** may do so but are responsible to make sure that the following software is running properly by the beginning of the course. During the course, support can only be given for laptops provided by GLOMAR.

JabRef

<http://www.jabref.org/>

Mendeley

<https://www.mendeley.com/reference-management/reference-manager>

MikTeX

<https://miktex.org/>

TexStudio

<http://www.texstudio.org/>

Git

<https://git-scm.com/>

**Location and time**

MARUM, University of Bremen, Leobener Str. 8, 28359 Bremen, Germany, Room 2070

09.00 – 17.00 hrs.

**Registration**

To register for this course, please visit the [course web site](https://www.marum.de/en/Page9991.html).

*Please note that your registration will be binding.*

The deadline for registration for this course is **XX May 2017**.

Any enquiries regarding the course should be addressed to glomar-courses@marum.de.