

# L<sup>A</sup>T<sub>E</sub>X workshop 2018

The workshop is aimed at senior undergraduate and graduate students to assist them with the presentation of assignments, published work and the production of their theses.

Although the scope of the workshop is quite large, no prior knowledge of L<sup>A</sup>T<sub>E</sub>X is assumed. The information provided on each subject should enable the student to produce workable code, and wherever practical, provide pointers to extended implementations and more advanced topics. The emphasis will be on practical implementation and frequently encountered problems in the production of academic work. Instruction will, where practical, be in the form of self-contained worked examples, which can then serve as templates for structures within a larger document.

The workshop will consist of four three-hour sessions held over two days. A rough guideline of the topics to be covered is given in the table below. Many topics will be revisited when relevant concepts have been developed.

Session 1	Session 2	Session 3	Session 4
Introduction	Mathematics	Tables	Bibliography
Installation	Symbols	Figures	Index
Document structure	Alignment	Footnotes	Tables of contents
Compilation	Spacing	Appendix	
Sectioning	Custom macros		
Lists	Cross references		

I will be running two workshops. On the Pietermaritzburg campus on the 1st and 2nd of February 2018, and in the July vacation on the Westville campus (exact dates to be announced, preferably near the beginning of the vacation). Space is limited, particularly in Pietermaritzburg. Pietermaritzburg students wishing to attend the Westville workshop in July are of course welcome to commute.

Please email me ([weltera@ukzn.ac.za](mailto:weltera@ukzn.ac.za)) for enquiries and if you are interested in attending either workshop. For those interested in the Westville workshop, please also include preferred dates (the winter vacation is from 23 June to 16 July).

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