WriteMath Workshop

Department of Mathematics & Applied Mathematics University of Pretoria, 2015

- 1. First session Fundamentals. In this session we discuss the most basic principles involved in the design and writing of a reasonable mathematical text. Whether it be an Honours essay, a dissertation or a research paper, these principles are the same. The topics are
 - A. Planning of the text. What do we want to communicate, to whom and how?
 - B. TITLE, ABSTRACT AND INTRODUCTORY SECTION. The purpose and roles of these components of the text.
 - C. Sections. The natural and logical flow of sections.
 - D. REFERENCES. The ethics of referencing. What is included and why and how?
 - E. Labels. Cross-referencing; displayed expressions, figures and tables.
 - F. LANGUAGE. Mathematics is not a language. It augments a natural language (such as English). How does this happen?
 - G. Definitions, Theorems, etc. The role of definitions, theorems, lemmas and propositions. How to formulate them.
 - H. GOOD, BAD, UGLY. Examples of GBU.
 - I. About reading. Dictionaries, Thesauri, Books on writing, Just books.

Second session. We analyse some examples of good text and text that can be improved.

Third session. We analyse in positive way a short assignment given after the second session.