

Course / Programme:	BEng Software Engineering
Module Name and Code:	.....
Student ID:	123456789
Tutor:	.....
Assignment Number:	0
Assignment Title:	.....
Weighting:	0% of overall grade
Issue Date:	00/00/0000
Submission Deadline:	00/00/0000 @00:00
<p>Learning Outcomes Assessed:</p> <ol style="list-style-type: none"><li>1. Outcome 1</li><li>2. Outcome 2</li><li>3. Outcome 3</li></ol>	

# Contents

1	Introduction	3
2	What is LaTeX?	4
3	The Structure of a LaTeX Document	5
3.1	Preamble . . . . .	6
3.1.1	Document Class . . . . .	7
3.1.2	Packages and Libraries . . . . .	8
3.1.3	Custom Commands and Settings . . . . .	9
3.2	Body . . . . .	10
4	UoB Assignment Format Specifications	11
4.0.1	Font . . . . .	12
5	Conclusion	13
	Word Count	14
	References	15

# 1 Introduction

This document serves as a template for producing written assignments in accordance with the University of Bolton's assignment format specifications using LaTeX.

The subject material of this document serves as a guide demonstrating how to use various LaTeX features to address common requirements for academic writing, such as:

- Table of Contents
- Document Structure
- Lists
- Cross-references / Internal Hyperlinks
- External Hyperlinks
- References and Citations
- Mathematical Expressions
- Computer Source Code

## 2 What is LaTeX?

LaTeX is a typesetting system commonly used for producing scientific and technical documents. It is widely used in academia for writing research papers, theses, and other technical documents.

To learn more about LaTeX, visit the [LaTeX Project Website](#).

Other useful resources include Mittelbach et al. [2023](#)

### 3 The Structure of a LaTeX Document

A LaTeX document consists of two main parts: the `preamble` and the `document body`.

## 3.1 Preamble

The preamble contains document-wide settings and configurations such as:

- Document class declaration
- Packages and libraries
- Custom commands and settings
- Metadata i.e. title, author, and date

### 3.1.1 Document Class

The document class specifies the type of document you are creating.

Common document classes include:

- **article** - For articles in scientific journals, presentations, short reports, program documentation, invitations, etc.
- **report** - For longer reports containing several chapters, small books, PhD theses, etc.
- **book** - For real books
- **slides** - For slides

To specify the document class, use the following command within the document's preamble section:

```
\documentclass{article}
```

This document uses the **article** document class.

### **3.1.2 Packages and Libraries**

Packages and libraries extend the functionality of LaTeX by providing additional features and tools. The general syntax for including a package is:

```
\usepackage{package-name}
```



### 3.1.3 Custom Commands and Settings

Custom commands and settings can be defined in the preamble to simplify the writing process and improve document consistency. There are many aspects of a document that can be customized using custom commands and settings.

Some common tasks achieved through customisations include defining new commands, changing the page layout, and setting up the title, author, and date information.

You may wish to study the [preamble.tex](#) file in this documents parent github repository to see what kind of customisations are possible.

## **3.2 Body**

The document body contains the actual content of the document, such as text, images, tables, and other elements.

## 4 UoB Assignment Format Specifications

The specifications for the University of Bolton's assignment format are as follows:

- Default Font: Calibri Light 12pt
- Double line spacing
- Harvard style referencing
- Page numbers in the format: "Page n of m"
- A title page
- A table of contents
- A word count at the end of the document
- In text citations and a bibliography

### 4.0.1 Font

The default font of this document is Calibri Light, which is part of the Calibri font family. This font is not natively available in  $\text{\LaTeX}$ , so we use the `fontspec` package to set the main font to **Calibri Light**.

The following code snippet demonstrates how to set the main font to **Calibri Light**:

```
\usepackage{fontspec}
\setmainfont{Calibri Light}
```

## 5 Conclusion

## Word Count

The word count for this document is: [word count].

## References

Mittelbach, Frank et al. (2023). *The LaTeX Companion*. Addison-Wesley Professional.