

# Title of the Document

Subtitle or Course Name

**Author Name**

This document will contain some fancy  
stuff that is worth reading.

FH JOANNEUM GmbH  
System Test Engineering  
Graz  
December 28, 2023

**FH | JOANNEUM**  
System Test Engineering

## **Abstract**

This is the abstract of the document, providing a summary of the contents.

# Contents

<b>1</b>	<b>Contents</b>	<b>3</b>
1.1	section . . . . .	3
1.1.1	subsection . . . . .	3
1.2	Text . . . . .	3
1.2.1	subsection of text . . . . .	3
1.3	Image . . . . .	3
1.4	Table . . . . .	4
1.5	Mathematical Formula . . . . .	4
1.6	Python Code . . . . .	5
1.7	List Examples . . . . .	5
1.7.1	Unnumbered List . . . . .	5
1.7.2	Numbered List . . . . .	5
<b>2</b>	<b>references</b>	<b>6</b>
2.1	To Text . . . . .	6
2.2	To Image . . . . .	6
2.3	To Table . . . . .	6
2.4	To Math Formula . . . . .	6
2.5	To Python Code . . . . .	6
2.6	citations . . . . .	7

<b>Appendix A</b>	<b>9</b>
-------------------	----------

<b>Appendix B</b>	<b>10</b>
-------------------	-----------

# 1 Contents

This is a content

## 1.1 section

A section.

### 1.1.1 subsection

A subsection.

## 1.2 Text

Here some text.

### 1.2.1 subsection of text

Here some subsection text is included.

## 1.3 Image

This section includes an example of how to include an image in your LaTeX document.

You can reference this image elsewhere in the document using the label 'fig:image1'.



Figure 1.1: Description of the image

## 1.4 Table

This section includes an example of how to include a table in your LaTeX document.

Table 1.1: Table Caption

Column 1	Column 2	Column 3
Row 1, Cell 1	Row 1, Cell 2	Row 1, Cell 3
Row 2, Cell 1	Row 2, Cell 2	Row 2, Cell 3

You can reference this table elsewhere in the document using the label 'tab:my\_table'.

## 1.5 Mathematical Formula

This section demonstrates how to include a mathematical formula in your LaTeX document. For instance, consider the quadratic formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{1.1}$$

You can reference this formula elsewhere in the document using the label 'eq:quadratic'.

## 1.6 Python Code

This section includes an example of how to include a Python code snippet in your LaTeX document.

```
1 from sklearn.linear_model import LinearRegression
2 LinearRegression
3 # Python code example
4 def calculate_sum(a, b):
5     """This function calculates the sum of two numbers."""
6     return a + b
7
8 result = calculate_sum(3, 4)
9 print(f"The sum is: {result}")
```

Code 1.1: Python Example

## 1.7 List Examples

### 1.7.1 Unnumbered List

Here is an unnumbered list:

- First item
- Second item
- Third item

### 1.7.2 Numbered List

And here is a numbered list:

1. First item
2. Second item
3. Third item

## 2 references

After chapter 1 we come to chapter references.

### 2.1 To Text

Here some text that references the section 1.2.

### 2.2 To Image

Here the reference to the figure 1.1.

### 2.3 To Table

Here the reference to table 1.1.

### 2.4 To Math Formula

This section demonstrates how to reference a equation within the document, like equation (1.1).

### 2.5 To Python Code

Here the reference to the code 1.1.



## 2.6 citations

Here is a section with references to a book [1], a journal article [2], a website [3], and a conference paper [4].

# Bibliography

- [1] A. Author. *Title of the Book*. Publisher, City, 2nd edition, 2020.
- [2] B. Author and C. Collaborator. Title of the article. *Journal Name*, 10(2):123–456, 2021.
- [3] D. Author. Title of the web page, 2022. URL <https://www.example.com>. Accessed: 2023-12-10.
- [4] E. Author and F. Collaborator. Title of the conference paper. In *Proceedings of the Conference*, pages 789–1011. Conference Organizer, 2023.

# Appendix A

This is Appendix A. You can include additional details, extended analysis, or supplementary data here. Appendices are useful for providing extra information without cluttering the main body of the document.

# Appendix B

Appendix B could include extended tables, additional figures, or raw data relevant to your document. This section allows you to present all relevant material that supports your work but is too extensive to include in the main chapters.