Comm Maths overview

Tamsin Smith

2023-01-24

2

Contents

Welcome

This is Tams Book

General Course Overview

Week Beginning	Focus
6 Feb 23	INPUT from lecturers
13 Feb 23	INPUT from lecturers
20 Feb 23	INPUT from lecturers
27 Feb 23	INPUT from lecturers
6 Mar 23	OUTPUT from students
13 Mar 23	OUTPUT from students
20 Mar 23	OUTPUT from students
27 Mar 23	OUTPUT from students
3 Apr 23	Easter Break
10 Apr 23	Easter Break
17 Apr 23	Mentoring
24 Apr 23	Assessment hand in

Week by week detail

Week 1 (WB 6/2/23)

Thursday 9/2/2023, 12:15-13:05 in 8W2.30

Welcome.

What is Maths communication?

Course information.

Friday 10/2/2023, 12:15-14:05 in 1W2.104

Exploring maths communication out there.

Setting up the Compare and Contrast formative assessment.

Chapter 1

Making it look good

This section gives an overview of different techniques you could use to get your document looking just the way you want. Be warned, through these door Hades lies. Getting stuff to look right in every different format is super hard. Good luck brave adventurer

1.1 Mark down syntax

Markdown is the prefered language to write resources in. It's lightweight and can easily be transformed into different formats. You can the basic syntax guide here. It shows you how to do pretty much everything you should need.

1.2 Call out boxes

Adding callout boxes. These can be useful for highlighting areas of text. It's best to define some styles and use the 'nested divs' rather than adding 'inline styling' each time.

This is an information callout that should work in pdf and html forms

This looks funnny in the LaTex version - I need to fix it. I think I got my conversion of HEX to RGB colours mixed up.

```
::: {.information data-latex=""}
This is an information callout that should work in pdf and html forms
:::
```

They styles for this are defined in `styles.css` and `preamble.tex`. CSS is used for the html versions and LaTex black magic is used for the pdf ones. You can also change the styling for when the user enters night mode in the gitbook. Try it with the box above and it should turn yellow.

Below is what the `style.css` would look like, the first bit defines what an **information** callout looks like in normal mode, the second bit does it for night mode:

```css
.information {
  padding: 1em;
  color: #004085;
  background-color: #cce5ff;
  border-color: #b8daff;
  border-radius: 10px;
}

/* this changes the styling when night mode is enabled
in the gitbook for the information styling */

div.color-theme-2 div.information {
  padding: 1em;
  color: #004085;
  background-color: yellow;
  border-color: #b8daff;
  border-radius: 10px;
}
```

1.3   Show-hide boxes

These can be made using a little bit of `html`.

Why did the person click on the text?

Because the couldn't resist temptation.

This was done using the the following snippet of code.

```html
<!-- This is a spoiler in gitbook, html and epub formats, and normal text otherwise. --
<details>
<summary>Why did the person click on the text? </summary>
Because the couldn't resist temptation.
</details>
```