

Practical 1: Hand in your solution to MyUni before Fri 9th March at 1pm.

You should read the practical, and prepare before the actual session.

The aim of this practical is to get you started using L^AT_EX.

To that end we will be using Overleaf.

1. Sign in to Overleaf www.overleaf.com
2. Go to the TEMPLATES tab.
3. Search for “AMP practical,” and click on the one created by me.
4. Now click on “OPEN AS TEMPLATE”
5. It will open a new project with two main windows.
 - (a) On the left is the L^AT_EX file (a `.tex` file).
 - (b) On the right is the preview.
6. You can edit the file in left-hand window, and see the result appear in the right-hand window (note there may be small delay).

Now that you have created a project, you should edit it.

1. Update the name, title, and date.
2. Add your student number.
3. Remove the table of contents.
4. Add, near the start, the equation

$$\alpha = 3x + 5x^2.$$
5. Add an additional reference: go to the “PROJECT” tab, and click on `bibtex_example.bib`. Now you can add a reference to another article by copy/pasting the existing reference. Create one referring to the article

“Stuff I have done,” by Matt Roughan, *Journal of Other Stuff*, Vol.3, No.4, pages 4-67, 2017.

The first piece of the entry is a *key*. If you make this “roughan2016”, you can generate a reference to it in your L^AT_EX file using the command `\cite{roughan2016}`.

Go back to the `.tex` file and do so near the start of your document.

Note that `.bib` files hold the bibliography records, and `.tex` files hold the raw L^AT_EX. The figure is in a `.pdf` file, but could be in some other image file. There are other types of useful files.

Finally, use Overleaf to generate a PDF (click on the “PDF” tab), and save this to your local computer, and then upload it to MyUni before the due date.

Note there is a lot more you could do here.

1. You could start with any of the other many predefined templates or upload one.
2. You can add additional files to the project, *e.g.*, new figures (click on the “PROJECT” tab).
3. You can access your projects from other locations.
4.