

Version 2.2

# Center for Discovery of Great Topics

## 2021 Hitch Hiker's Guide to Thesis Templates

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# Introduction

For 4-by-3 aspect ratio slides, specify `standard` as an option to the document class. Write your presentation like a normal  $\text{\LaTeX}$  file with a `\maketitle` command and `\chapter` and `\section` headings. The `\maketitle` contents are defined by the following macros:

```
\pretitle      \title          \subtitle
\author        \extralogo
```

The `\extralogo` command specifies an extra logo below the AFIT crest. The `\chapter` heading creates a slide with just the chapter name. The `\section` heading sets the title of a new slide. However, if no text follows the section, no slide will be created. Text which does not fit on one slide will flow onto the next slide automatically.

Use the `\twocolumn` and `\onecolumn` commands right after the section heading to control the number of columns. Text will flow from the left column to the right.

- Point one
- Point two
- Point three
- Point four
- Point five

- Point six
- Point seven
- Point eight
- Point nine
- Point ten
- Point eleven
- Point twelve

You can also use `\pagebreak` to force text onto the next column.

You can create any variety of subdivisions on your slide by using the `tabular` environment.

Primary	Secondary	Tertiary
First	Second	Third
One	Two	Three
Alpha	Beta	Gamma
Green	Blue	Red
Cyan	Yellow	Magenta

The `\cellcolor` command sets the background color of a table cell.

Use the `Center` environment  
to center horizontally *and* vertically.

# Explicit Code

Use the python environment for Python code.

```
1  def write_list(fid, x, level):
2      ind = ' '*level
3      xs = '0' if abs(x[0]) < 1e-3 else "%.3f"
4      txt = '\n%svalues="%s' % (ind, xs)
5      for n in range(1, len(x)):
6          xs = '0' if abs(x[n]) < 1e-3 else "%.3f"
7          if len(txt) + 3 + len(xs) >= 80:
8              fid.write(txt + ';\n')
9              txt = ind + ' ' + xs
10         else:
11             txt += ';' + xs
12     fid.write(txt + '\n')
```



Use the matlab environment for MATLAB code.

```
1 function savepdf(name, width, height)
2     % name is the file name including ".pdf".
3     % Both width and height are in (cm).
4     set(gcf, 'units', 'centimeters', ...
5           'position', [0, 0, width, height])
6     set(gca, 'FontSize', 9);
7     set(gca, 'FontName', 'Times New Roman');
8     exportgraphics(gcf, name, ...
9           'ContentType', 'vector');
10 end
```

Use the `rlang` environment for R code.

```
1 factorial <- function(n) {  
2     if (n == 0 || n == 1) {  
3         return(1)  
4     } else {  
5         return(n * factorial(n - 1))  
6     }  
7 }
```

# **Control and Classification**

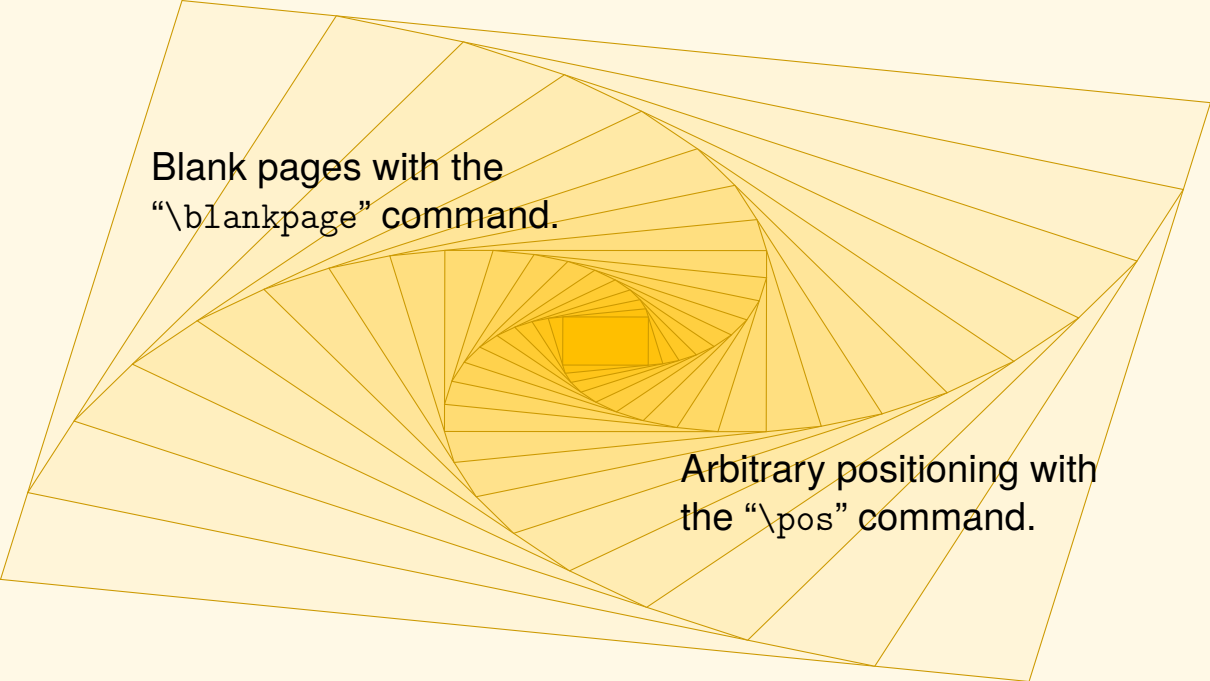
Unless your presentation is being distributed, no markings need to be applied. If it is approved for public release without restriction, you can mark it as Distribution A with the `\distributionA` command.

If it is approved with a different distribution statement (B through F), specify the banner as `\banner{cui}` and fill in the details with the `\cui` command:

```
\cui{Controlled By: AETC \\  
    Controlled By: AFIT/ENG \\  
    CUI Category(ies): PRVCY \\  
    Distribution: \DistB{CATEGORY}{DATE}{OFFICE} \\  
    POC: John Smith, 555-123-4567}
```

For classified information, use the `\banner` command and the classification (e.g., `\banner{secret}`) and the `\classified` command:

```
\classified{  
  Classified By: \\  
  Derived From: \\  
  Declassify On: }  
}
```



Blank pages with the  
“\blankpage” command.

Arbitrary positioning with  
the “\pos” command.



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Space Force of Tomorrow.*