# Basic Document Layout

## *Classes and Packages*

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# This Presentation

- Brief Recap of LaTeX files.

- How to start and end a document.

- Paragraphs and linebreaks

- Chapters, sections, and subsections.

# Body of a Document

- Body of the document consists of the material that will be seen in the final print.

- The layout of the text and features we use depend on what we put in the preamble.

- This presentation briefly introduced formatting, but will be covered more extensively in the next presentation.

# Paragraphs

- Hitting return after a line will create a new line.

- Alternatively, the author can use \\ to create line breaks.

- Two returns or two \\ will create a new paragraph.

- LaTeX will automatically create indentations unless you instruct it not to.

# Paragraphs (con't)

- If you want a new paragraph without indentation, use the (block style).

- `\indent` can be used to create an indent when a new paragraph does not contain one.

- Refer to the supplemental document for examples of document breaks.

# Chapters and Sections

- Occasionally we want to break out document into into sections.

- Books are necessarily divided into chapters, and perhaps sections.

- When using the `Book` class, we may use `\Chapter{`*name*`}` command to create a new chapter with *Name* at the beginning of the chapter.

- We can force chapters to start on the right–hand or left–hand page using either `[openright]` or `[openleft]` option. By default, chapters will start on the right–hand side for the `book` class.

# Chapters and Sections

- `\section{`*name*`}` will create a numbered section for our document with *Name* at the top of the section.

- `\subsection{`*name*`}` will create a numbered subsection for our document with *Name* at the top of the subsection.

- We can keep adding subsections under subsections with more "sub" prefixes—i.e. `\subsubsubsection`.

- Section and subsection commands will work for `article` or `book` classes. However, `\chapter{`*name*`}` will only work for the `book` class.

# Chapters and Sections (con't)

- Chapters, section, subsections, etc., are also automatically numbered

## 1   Section

### 1.1   Subsection

#### 1.1.1   Subsubsection