



Week #3 LaTeX I

Assignment#2 (10 points)

Instruction:

- 1) Please answer and combine all of your answers to each question in a single *.doc or *.pdf file.
- 2) You can place your results (screen captures) and your code in text under or along with each result in your document file.
- 3) You can also submit .tex file along with .doc/.pdf as needed.

Note*: This is an individual assignment, please do not work as a group yet.

1. Edit “**01 A First Document.tex**” as follows and report your results (screen captures) with your code.
 - 1.1. Change the title of the document to be your own senior project title. **(1 points)**
 - 1.2. Enter your name as a first author and other project member(s) if available. **(1 points)**

Example:

Replace Your Senior Project Title Here!

Author1, Lastname1 author1@xxxxxx.com	Author2, Lastname2 author2@xxxxxx.com
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Author3, Lastname3
author3@xxxxxx.com

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Hello World



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Results (Screen Captures):

Your Code:



2. Edit “Q2 Formating and Lists.tex” by formatting text as shown below. **(4 points)**

Chapter 1

1.1 Introduction

1.2 Objectives

- OBJ 1
- OBJ 2
- OBJ 3
 - OBJ 3-1
 - OBJ 3-2
 - OBJ 3-3

1.3 Scopes

- SCP 1
- SCP 2
- SCP 3

1.4 Expected Results

- 1) Expected Result 1
 - i Expected Result 1.1*
 - ii Expected Result 1.2*
 - iii Expected Result 1.3*
- 2) Expected Result 2
- 3) Expected Result 3

Hint:

- (1) Use package “**enumitem**” to change customize the type of ordered-list
<See slide P.21 to P.25>
- (2) To add a blacksquare (■) type of list:
 - a. use “**amssymb**” package with the command “ **\blacksquare** ” or
 - b. use “**pifont**” package with the command “ **$\ding{...}$** ” and see the package document from CTAN for more information
- (3) Use alignment and font-formatting commands (e.g. “ **$\textbf{...}$** ”, “ **$\textit{...}$** ”, “ **$\texttt{...}$** ”) wherever you want to change the format of the fonts or lists



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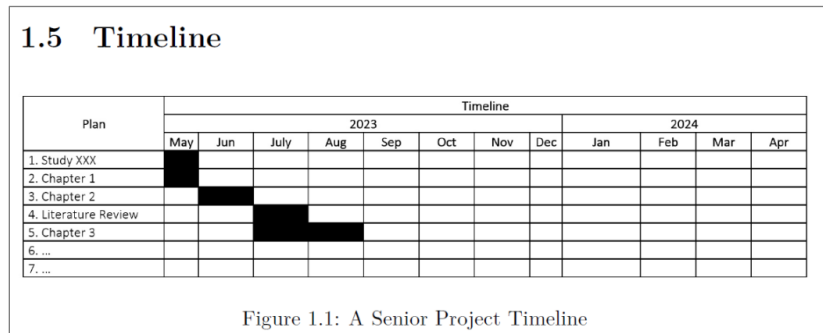
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Results (Screen Captures):

Your Code:



3. Add a new section “1.5 Timeline” into Chapter 1 from previous question and insert the “timeline.jpg” as a picture. Report your results and coding. **(2 points)**



Hint:

- (1) Use “**graphicx**” package to add a figure.

<See Slide P.31-32>

- (2) Scale a figure by using “width=\textwidth” or “width=\linewidth” to fit the page width.

- (3) Don't forget** to specify or check the path of your figure **if not in the same folder** as your “*.tex”

e.g., **`\graphicspath{{Figures/}}`**



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Results (Screen Captures):

Your Code:



4. Add a new section “1.6 Subplot” Change the code from the previous question to add a subplot of 4 figures included A.jpg, B.jpg, C.jpg, and D.jpg as shown below. Report your results and code. **(2 points)**

Hint:

- (1) Use package “subcaption” to insert subfigures.
<See Slide P.33>
- (2) Scale the size of each figure at least 0.35 of the line width.

Example:

1.6 Subfigures

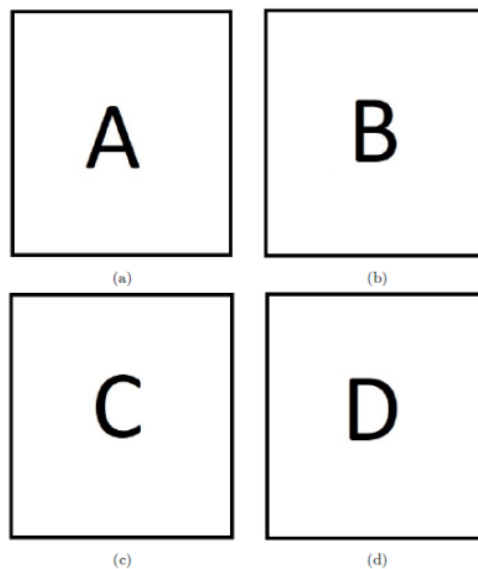


Figure 1.2: (a) Pic A, (b) Pic B, (c) Pic C, (d) Pic D



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Results (Screen Captures):
Your Code:



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Bonus Question

Replace the timeline picture from question 4 with your own timeline for your senior project. Report your results and code. **(2 points)**

Results (Screen Captures):

Your Code: