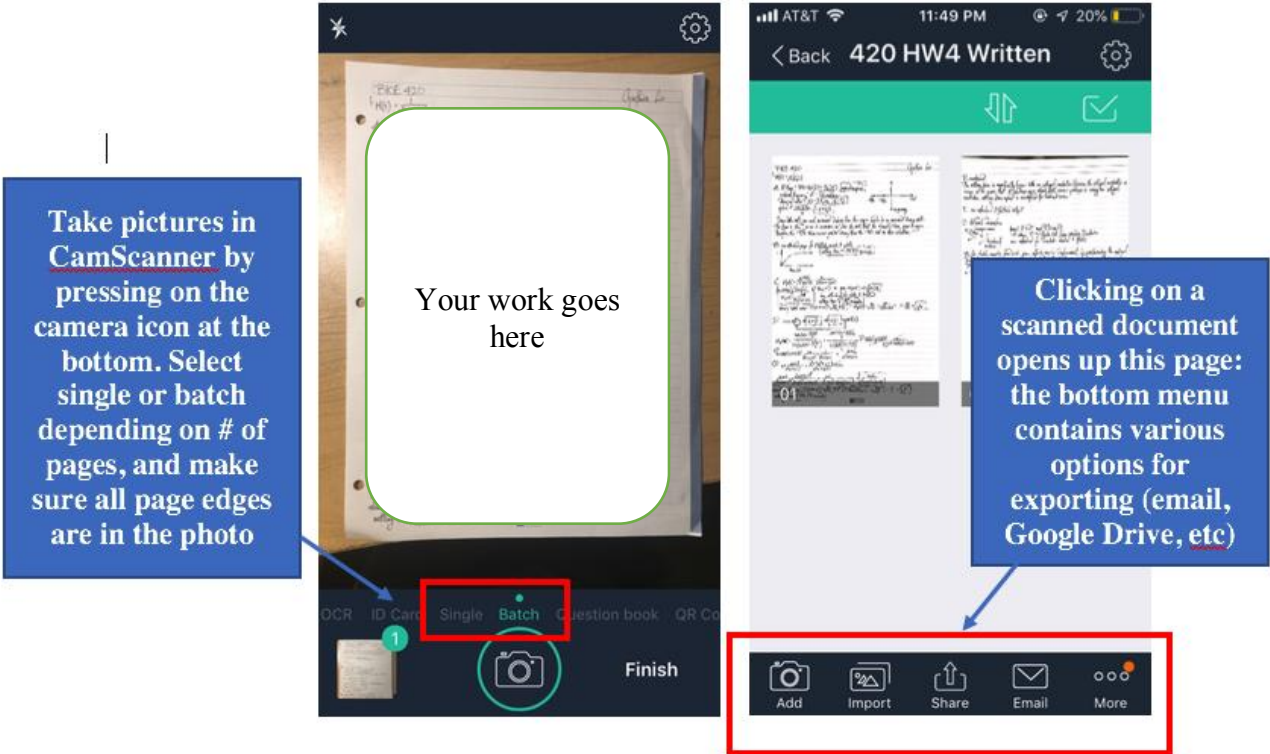


# BIOE210 Homework Submission Guide

## Section 1: Converting written questions to PDF

### Option 1 (recommended): Use a free scanner app

- 1. Download a free phone app such as CamScanner, Genius Scan, etc. (CamScanner used as an example below)
- 2. Using the app, export the file as a PDF



### Option 2: Add images to a Word document

- 1. Paste images to a Word document, then save the document as a PDF

## Section 2: Converting Matlab code to PDF

### Option 1 (recommended): Write and publish live script (or script)

1. Open new live script and write your program (see scripting tips below)
2. Publish script into PDF using Publish tab

Press this when you are done

“%%” starts a new script section  
“%” is used to comment

Live scripts will also flag possible syntax errors and underline in red (very helpful!)

```
1 %% Part B
2 %Plotting open loop step response
3 syms s
4 Hs = tf(1,[1 13 6]);
5 t = [0:0.01:100];
6 H = step(Hs,t);
7 plot(t,H);
8 title('Open Loop Step Response')
9
10 %Calculating settling time
11 stepinfo(Hs)
12
13 %% Part C
14 %Plotting proportional feedback step response
15 Ps = tf(24,[1 12 16]);
16 Pt = 0:0.01:10;
17 P = step(Ps,Pt);
18 plot(Pt,P);
19 title('Proportional Feedback Step Response')
20
21 %Calculating settling time
22 stepinfo(Ps)
```

3. Adjust Publish settings from default html format to pdf

Publish: HW4

Edit Publishing Options...

Publish configuration name: HW4

MATLAB expression:

```
%% Modify expression to add input arguments.
%% Example:
% a = [1 2 3; 4 5 6];
% foo(a);
```

HW4

Publish settings: User Default Save As...

Output settings	
Output file format	html
Output folder	html
XSL file	xml
Figure settings	
Figure capture method	latex
Image Format	doc
Use new figure	ppt
Max image width (pixels)	Inf
Max image height (pixels)	Inf
Create thumbnail	true
Code settings	
Include code	true

Select the output format for the published document.

Close Publish Help

4. Check your PDF output is correct and answers all parts of the question(s)

The image shows two pages of MATLAB output. Page 1 (left) contains a 'Table of Contents' with entries for Part B, C, and D, and a 'Part B' section with MATLAB code for plotting an open loop step response and calculating settling time. Page 2 (right) contains a plot titled 'Open Loop Step Response' and a 'Part C' section with MATLAB code for plotting a proportional feedback step response and calculating settling time. Blue callout boxes highlight the 'Automatically generated Table of Contents and section formatting' and 'Code output and plots are automatically published alongside script'.

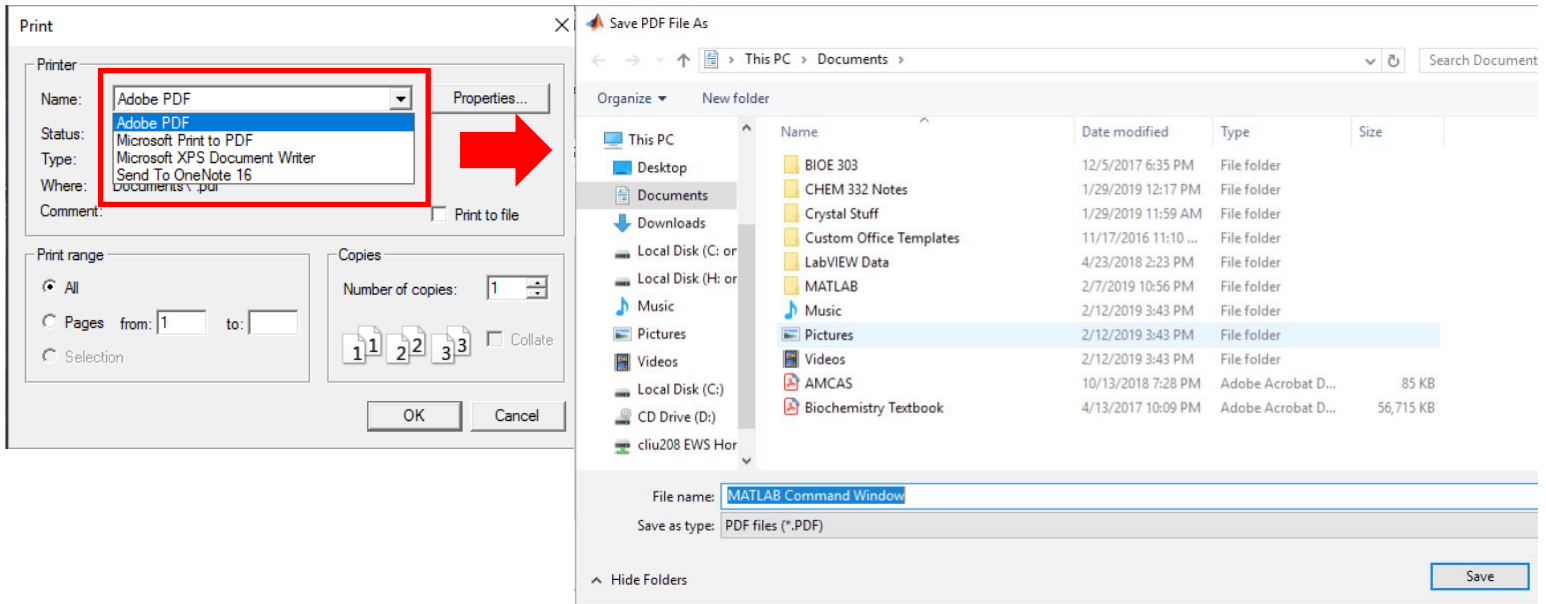
Option 2: Publish Matlab output from Command Window

1. 'Print' from upper right hand corner of Command Window

The image shows the MATLAB Command Window with a context menu open. The 'Print...' option is highlighted with a red box. A blue callout box contains the text: '\*\*IMPORTANT\*\* Publishing command window DOES NOT publish plots (you will need to screenshot and add to separate Word document); ALL command window text is published from your session'.

*It is far easier for the graders to help you debug your code or assign partial credit if your code is organized in a script*

## 2. Change printer to 'Adobe PDF' and save file to appropriate directory



## Section 3: Combining PDFs

### Option 1: Use a free website (recommended)

1. Follow the instructions on websites like [combinepdf.com](http://combinepdf.com) or [smallpdf.com/merge-pdf](http://smallpdf.com/merge-pdf)

### Option 2: Combine using Adobe Acrobat Pro DC

1. If you don't have Adobe Pro, access it via Citrix
2. Choose "Combine files" from the tool bar on the right
3. Follow directions

## Section 4: Gradescope Submissions

1. **Check that you have answered all parts of all questions and they are all in your document**
2. Submit on Gradescope
3. **Assign pages for every question on the rubric before you press submit**