

Publishing MATLAB Documents

Professor Kriehn – ECE 155

For **each** homework problem, generate a separate PDF file in MATLAB by publishing each of your script files to PDF format. Each problem should be generated using a separate script file. Be sure to include a full comment header at the top, and use the type command to include any user-defined function files that you use to help complete the homework.

The comment header should include your “Full Name”, “Student ID”, “Class”, “Homework”, “Due Date”, “Date Submitted”, and who you “Worked With”. Each homework problem should have appropriate comments.

To create a Script File, click on *New Script*. Save this script file as *FirstName_LastName_HWX.m*, where *X* is the HW number. Comments can be produced using a single percent sign (%). Use double percent signs (%%) to mark the beginning of a new cell (for separate parts of a homework problem). In the example below, there are two cells in the script M-file:

```
%
% Name:           Dr. Gregory Kriehn
% Student ID:     XXX-XX-XXXX
% Class:          ECE 155 – Control Systems
% Homework:       Problem 2.1
% Due Date:       1/17/13
% Date Submitted: 1/21/13
%
% Worked With:    Dr. Kinman

%% Problem 2.1a

a = 1 + 1

%% Problem 2.1b

b1 = 2;
b2 = 2;
b = b1 + b2

type myfunction.m
```

When you are ready to run your M-file, click on the Green Arrow Head, or hit `F5`. After you have debugged your code and are ready to publish your script file to a PDF document, click on the `Publish` tab of the text editor, select `Publish` (with the black down arrow), and `Edit Publishing Options...` This selection will cause a new window, `Edit Configurations`, to open. In this new window, the default value for the `Output file format` is `html`. Click on `html` and change the option to `pdf`. You may also want to change the `Output folder`, unless you have already set your working directory. Finally, click `Publish`. Once the PDF document has been generated and you are satisfied with the results, print it and include it in into your homework packet.