

### 10.34 Homework Submission Guidelines

1. Homework will be due the beginning of class in electronic and paper form as described below. Please see the class schedule in the course syllabus for a complete list of homework and their exact due dates.

A “late” submission consists of **EITHER the electronic or paper component turned in after the deadline**. Homework solutions are posted soon after the due date so that you can get quick feedback on assignments before quizzes and tests.

- Late submissions after the deadline but before the solutions post will be credited at 50% of the score you would have otherwise received for it.
- **No submission will be accepted if either the electronic copy or paper copy is submitted after the solution has been posted.**

In short, please submit your homework on time! Under extreme circumstances this policy may be relaxed. Please contact Kristen and Hok Hei as early as possible before the deadline.

2. All homework write-ups need to be typed in a word processor such as Microsoft Word or in LaTeX, and exported as a PDF. This includes problems involving proofs and derivations. Please be careful with mathematical notation and use equation editor software such as MathType when working in Microsoft Word. Please use precise and correct mathematical notation following the standards of the homework problem statement. Any solutions or figures should be included in your write-up PDF, rather than in your code or separate file. On each page of your write-up, include a header that includes your name. Please do not copy-paste the problem statement or your code (unless we ask for it explicitly) into your write-up.
3. Unless otherwise noted, all code must be written in MATLAB<sup>®</sup> and submitted electronically but not physically. **Submit a single MATLAB (.m) function file for each part of each homework problem that the grader can run.** We will be using an automated system to evaluate code and print plots for the graders. **The .m-file for each homework problem should be named: [Kerberos ID]\_HW[homework number]\_P[problem number]\_[part number].m.** Your Kerberos ID is your email without the “@mit.edu”. Not all assignments will have a part number, but the vast majority will. An example is as follows:

“tamhok\_HW1\_P1\_2.m”. This file might look something like:

```
function tamhok_HW1_P1_2.m
% Function that graders will run.
```

```

% It should run and produce the necessary outputs without any
prompt or input from the grader
%
A = eye(3);
b = ones(3,1);
x = part1_function(A,b);
y = part2_function(A,b);
fprintf('x = \t y = \n'); fprintf('%d \t\t %d \n',x,y);
return
function x = part1_function(input1,input2)
% function that may take inputs,
% it is called from the main function above
%
% code ...
x = input1*input2;
return
function y = part2_function(input1,input2)
% another function that does take inputs,
% it is called from the main function above
%
% code ...
y = input1\input2;
return

```

#### 4. Electronic submission:

Name your files as described above, (example below)

[Kerberos\_id]\_HW[homework number] which contains all the .m-files and PDF:

[Kerberos\_id]\_HW[homework number]\_P1\_3.m

[Kerberos\_id]\_HW[homework number]\_P2\_2.m

...

[Kerberos\_id]\_HW[homework number].pdf

Note: Accessory MATLAB functions called in your homework function do not have to follow this convention. **Make sure, however, that you run your code in the current directory without any variables in your workspace to ensure that your homework functions work!**

Subsequently, zip (compress) these files into a zip archive named

[Kerberos\_id]\_HW[homework number].zip

To create a zip archive, go to your files in explorer, hold down CTRL and select the files, and then right click. A menu will pop up and there will be a “send to” option. Select that, and another menu will pop up. Click on “Compressed (zipped) folder”. Rename it to the proper name. Note that these instructions are for Windows 7 only.

**5. Paper submission:**

Submit the write-ups for each problem of each homework assignment as a separate, stapled packet. This is because each problem write-up will be passed to a different grader. Graders will have access to your electronic submission and will make sure your code runs as described. **Be careful with double-sided printing! Make sure you don't have two different problems on the same page.**

jap: August 20, 2014

hht: Sept 2, 2015

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10.34 Numerical Methods Applied to Chemical Engineering  
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