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Math-131

January 24, 2018

Assignment00 Writing

1. Read the syllabus of this course. Do you have any comments, questions or suggestions?

For syllabus, it is very useful, and I got lots of information. I believe that information can help me get a better grade. However, I have a question about the it. Because I saw we need to do paper on the schedule sheet, but there is nothing about it in the syllabus. Otherwise, the syllabus is pretty good.

1. Familiarize yourself with the textbook of this course.
   1. Read the Preface of the book. What useful things did you learn?

I learn the course is only for the students who are the junior-level of mathematics, science, and engineering study, which means it is only the low level of the whole college study, and our ways are still long. Therefore, we need to study step by step as we learn the lower division and cannot be arrogant by learning the upper division class. Also, we need to learn how to use numerical techniques to solve problems, and error propagation in numerical methods. Those are good and interested to learn.

* 1. Make a brief summary of what you have learned in your pre-requisites classes (for instance Math 24 and/or a computing class).

In Math 24, I learn Differential Equation and Linear Algebra. In these two sections, I learn how to solve and classify first and second order of the Differential Equation, and how to solve and classify the matrix and eigenvector. In the computing class, which will be CSE class, I learned CSE 20, 21, 30, 15 and 175, and those courses are very helpful and improve my coding skills a lot. Therefore, I can learn MATLAB concept very fast and easier because there are not much different. The pre-requisites classes really make me easier to learn this class.

1. Familiarize yourself with MATLAB.
   1. Report on your MATLAB version. Are you planning to use it on your personal computer? If so, is it installed? If not, are you planning to use the campus labs?

My MATLAB’s version is ‘9.3.0.713579 (R2017b)’, and I already used it on my personal computer. It is installed.

* 1. We will use MATLAB 2017 edition. You can ask IT help desk to get it installed on your laptop.

I already asked them about how to install it, and I already installed it on my laptop.

* 1. If you have used MATLAB before, please tell me in what class and list a couple projects you have worked on using MATLAB.

I never used MATLAB before, and I will try my best to learn. It is interesting for me to learn, and I like to code because I am a CSE student.

* 1. If MATLAB is new to you, the best way to get started is to read MATLAB’s internal documentation via the Help browser. From within MATLAB, you can open the Help browser by typing “doc” at the prompt of the command window. Study the “Getting Started with MATLAB” guide, which is the first item under “MATLAB”; if not already visible, expand the “Contents” tab on the left of the screen by clicking on the little icon above the word “Contents”. In this guide read the Introduction, Matrices and Arrays, Graphics and the Desktop Tools and Environment sections. Write a brief report explaining what you have done.

First, I used MATLAB finish the assignment00, and I learned lots of things from it. I learned how to write a for loop, how to make a graph, how to use if-else statement, and how to use print thing from it. I think it is very powerful tool to do the math and engineering work, and I will be happy to learn more.

* 1. MathWorks(<http://www.mathworks.com/help/matlab/http://www.mathworks.com/help/matlab/>) also has a great documentation available online. Google for instance “plot in MATLAB” and go to the MathWorks result. Note the “Getting Started with MATLAB” section. How does this section compare with the same section in MATLAB’s internal documentation? Browse through the “Tutorials” section. Try out a couple of commands and report on a few things you learned from this website.

The two sections “Getting Started with MATLAB” are same in both MathWorks and the Help browser in the MATLAB. If I want to search other things, I’d like to use Google and get into the MathWorks because it is easier and faster, and the result is more obvious. Also, I learned many things, such as how to write a for loop, how to make a graph, how to use if-else statement, and how to use print thing from it.

* 1. What other resources you found for getting help with MATLAB? For instance, what happens if you type “help plot” in MATLAB’s Command Window? Try to get help in the same window for other commands as well.

There are many resources that I can find from online, such as there are some videos that I can watch, and there are many simple codes that I can read and learn. Also, I can ask my classmates for help, and get into a group to work. The TA and professor can also provide many helps to me and other students, and they are more professional and authoritative. I tried to type “help plot” in MATLAB’s Command Window, and it shows many information about the plot. It is very useful when I have questions but cannot find the solution in the document because it helps me find the solutions easier.

1. Read the “Tips for Succeeding in this Class” handout. What did you find that is noteworthy? Were you surprised by any of the tips? Do you have any comments or suggestions? Can you think of other tips that would be useful to add to this list?

I found that the book is very important to read. Because it is a math class, and I always did not read the book when I take the math class. I just went to the lecture and finished the homework to improve my skills. However, I learned the importance of the reading book right now, and I will read it section by section if I have questions or problems to solve things and try to find the solution from the book because it is more professional and authoritative than online stuffs. It is little surprised to me, but not much, and I will use this suggestion to finish my work. I think we can get together and become study group with some classmates and learn together and work together without any copy and plagiarize. I believe work together is always better than work by myself.