

LIST OF ASSIGNMENTS

ElecEng2FL3

Winter 2020

Number	Title	Guide	Due
#1	The Frequency Spectrum	Assignment01.pdf	Monday Jan. 20, 5 pm
#2	Vector Algebra and Coordinate Systems	Assignment02.pdf and Matlab Manual, Set 1	Monday Jan. 27, 5 pm
#3	Traveling Waves: Pulsed and Sinusoidal	Assignment03.pdf	Monday Feb. 03, 5 pm
#4	Voltage and Current Waves in Transmission Line Equivalent Circuits	Assignment04.pdf	Friday Feb. 14, 5 pm
RECESS FEB. 17 – 21, 2020			
#5	Impedance Transformation by a Transmission Line	Assignment05.pdf	Monday Feb. 24, 5 pm
#6	E-field Superposition	Assignment06.pdf and Matab Manual, Set 3 and Set 4	Monday Mar. 9, 5 pm
#7	Generating Field Plots	Assignment07.pdf and Matab Manual, Set 5 and Set 10	Monday Mar. 23, 5 pm
#8	Magnetic Fields of Solenoids and Toroids	Assignment08.pdf and Matab Manual, Set 16	Monday Apr. 06, 5 pm

NOTE: The MATLAB-based Assignment Manual is available for download from the course webpage:

N.K. Nikolova (© Copyright M.H. Bakr), *Electromagnetics I: Matlab Experiments Manual for EE2FH3*, McMaster University Courseware.

General Instructions

1. Assignments do not require introductions or conclusions.
2. Clear instructions for each assignment are provided in the respective PDF files.
3. Assignment #1 does not require a Matlab solution.
4. **Submission is through Avenue To Learn (A2L) course page.**

General Instructions for Assignments Based on Sets from the Matlab Experiments Manual

1. No introductions or conclusions are necessary.
2. Read the “Example” part of the recommended set in the Matlab Manual.
3. First solve analytically the assignment problem. Submit your analytical solution in PDF format.

4. Submit your Matlab code implementing a numerical solution as an `***.m` file. It is recommended to name your file so that it reflects the assignment number and your ID. For example, the file reflecting your work on Assignment #6 could be named `A06_000123456.m`.
5. Your Matlab codes will be run by the TAs. Placing plenty of comments in your code is recommended as this will aid the TAs in finding your errors and assessing your work fairly.
6. If your Matlab code fails to run, it will not be debugged by the TA; it will simply be assigned a mark of 0. Ensure your codes run and produce output before uploading them to the A2L course site.