During free hours (i.e., 12:00 – 1:00 pm) on Wednesday, Dr. Cherice Evans will hold workshops on various useful skills for all chemistry students. These lectures will be held in Remsen 105 unless otherwise noted. All students are welcome to attend. (Faculty who are interested are also welcome to attend.) The topics to be covered in each lecture are given below:

- **Wednesday, February 3, 2016** (will be repeated Monday, February 8 after seminar): Writing scientific papers – general considerations and scientific literature searches.

- **Wednesday, February 10, 2016**: Digitizing figures from published papers for use in papers and thesis. Students should bring their computers and have some form of drawing program (e.g., Illustrator, CorelDraw, etc) in which they are familiar. Students should also bring a ruler.

- **Wednesday, February 17, 2016**: Analyzing data and preparing graphs using Excel. Students should bring their computers with Excel already installed.

- **Wednesday, February 24, 2016**: Analyzing data and preparing graphs using IgorPro – Part 1. Students should bring their computers with IgorPro already installed. If students need IgorPro, please contact Dr. Cherice Evans before Tuesday, February 23, 2016 to obtain instructions for downloading software.

- **Wednesday, March 2, 2016**: Using ChemDraw and Chem3D to draw mechanisms and prepare molecules for use in calculations. Students should bring their computers with ChemOffice already installed. If students need ChemOffice, they should contact Dr. Cherice Evans before Tuesday, March 1, 2016 to obtain instructions for downloading software.

- **Wednesday, March 9, 2016**: Writing scientific papers and thesis in Word. Students should bring their computers with Word already installed.

- **Wednesday, March 23, 2016**: Writing scientific papers and thesis in LaTex. Students should bring their computers with the Tex software and graphical user interface already installed. If students need helping finding such interfaces, please contact Dr. Cherice Evans before Thursday, March 10, 2016 to discuss possible interfaces.

- **Wednesday, March 30, 2016**: Using IgorPro for data analysis and graphing – Part 2.

- **Wednesday, April 6, 2016**: Using LaTex for scientific writing – Part 2.

- **Wednesday, April 13, 2016**: Using GaussView and Gaussian95 for calculating thermodynamic properties and optimal structures. If you do not have the software GaussView and Gaussian, please contact Dr. Cherice Evans before Thursday, April 7, 2016 to obtain this software.

- **Wednesday, April 20, 2016**: Using Gaussian95 to calculate IR/Raman spectra and to calculate UV/Vis spectra

- **Wednesday, May 4, 2016**: Using Gaussian95 to calculate NMR spectra

- **Wednesday, May 11, 2016**: Determining the appropriate level of theory for computational calculations

- **Wednesday, May 18, 2016**: Using Gaussian95 to determine transition states