

**Computational Physics / PHYS-UA 210 / Problem Set #1**  
**Due September 15, 2017**

Submit this homework to the TA as a link to the Jupyter Notebook checked into your GitHub account, in the place specified in the class notes for Lecture #1.

1. Familiarize yourself enough with a plotting package in Python (e.g. `matplotlib`) to plot a Gaussian with zero mean and a standard deviation of 3 over the range  $[-10, +10]$ . Make sure the Gaussian is normalized correctly.
2. Exercise (2) in S2.4.3 of Landau.
3. Perform the exercises described in S2.5.2 of Landau.