UN5390: Scientific Computing I

Prep Work

Help the instructor understand your learning needs

Respond within a week of receiving this document

1. Explain your expectations: specific goals you wish to accomplish during or as a result of completing this course

2. Do you know/use the Linux OS (command line)? If yes, assign a numerical score on a scale of 1 to 10 (1 being I just know the name of it, and 10 being I use it every day for just about everything I do)

3. Do you know any programming languages? If yes, assign a numerical score to each language on a scale of 1 to 10 (1 being I just know the name of it, and 10 being I pretty much know everything there is to know about it)

4. Have you heard of (or used) LaTeX document preparation system? If yes, assign a numerical score on a scale of 1 to 10 (1 being I have just heard about it, and 10 being I use it every day for just about everything I do)

5. Have you heard of (or used) a revision control system? If yes, assign a numerical score on a scale of 1 to 10 (1 being I have just heard about it, and 10 being I use it every day for just about everything I do)

Please list the contact information for your research advisor (full name, department and email address). If you don't yet have a research advisor, please list the contact information for the graduate studies director in your department/program.

Help yourself make an optimal use of this course

Complete these before the instruction begins.

1. Complete the Training Camps to gain access to the course repository in GitHub. This, in turn, will grant you access to the required reading material

2. Familiarize yourself with one or more programming languages – guided by their applicability to your research endeavors, and their potential for parallelization (e.g., C/C++, FORTRAN, Julia, MATLAB, Python, etc.)

3. Acknowledging that you need help and asking for it when necessary is not a sign of weakness. Be sure to appropriately cite the source of any such help. Practice your verbal and written communication skills.

    Michigan Tech Multiliteracies Center
    http://www.mtu.edu/humanities/mtmc/mission/

    Purdue University Online Writing Lab
    http://owl.english.purdue.edu/owl/