Scientific Computing Rubric 2021

The final grade of the course is determined by the average of 4 grades corresponding to 4 modules.

The Linux module is compulsory and must be passed with a 6 or higher first before choosing 3 modules from: C, Python, Fortran, Numerical Methods (NM) and High Performance Computing (HPC).

The final grade is rounded to 0.5 points except for the grade 5.5 that is not allowed.

In general grading, for each module, is done by starting with the grade 10 and points are subtracted for issues and mistakes:

- The following table will be used to grade and evaluate codes or scripts for the modules Linux, C, Python and Fortran in this course where a programming/scripting test is required:

Rules used to grade code/scripts:	
If code does not compile or crashes when running according to the assignment	-3 points
If more than half of the assignment is not implemented	-2.5 points
If an essential element of the assignment is not implemented	-1 points
There is a serious bug in the code that would lead to unexpected behavior	-1 points
If the algorithm used does not scale well, uses vast amounts of memory or is very convoluted	-1 points
If the algorithm is ok but can be easily improved upon	-0.5 points
There is only a small bug in the code but would not result in unexpected behavior	-0.5 points
Coding style is not clean enough	-0.5 points

- The following table will be used to grade and evaluate codes and answers for the modules Numerical Methods and High Performance Computing after having received feedback and a few (small) follow up questions based on your answers mostly to clarify matters:

Rules used to grade code and answers:	
If more than half of the assignment is not implemented or answered (incorrectly)	-1 points
If an essential element of the assignment is not implemented or answered (incorrectly)	-0.5 points
Coding style is not clean enough or if answers are at a bare minimum level	-0.5 points
There is a serious bug in the code/algorithm that would lead to unexpected behavior	-0.5 points
If the algorithm used does not scale well, uses vast amounts of memory or is very convoluted	-0.25 points
If the algorithm is ok but can be easily improved upon	-0.25 points