Guide for homeworks / exam reports

Write a report to summarize your findings **clearly** and **briefly**. In any case:

- don't list raw numerical data BUT state clearly the results + input parameters, data size or length of the simulation, so that your results could be reproduced

- don't report data with inappropriate (too many!) digits BUT use the appropriate number and specify the error associated to the numerical estimates

- don't insert unreadable tables or graphs BUT use appropriate style (pay attention to data labelling, use proper font size and x- and y- labels)

Specifically, for homeworks:

- use Python of Fortran90 at your choice, BUT AT LEAST ONE EXERCISE AMONG ALL THE EXERCISES should be done in the alternative language (NOT NECESSARILY ONE FOR FOR EACH HOMEWORK)

- the pdf -that you can also obtain directly from Jupyter notebook, if you prefer- should contain no more than about 10 pages, all inclusive

- don't repeat the theory already explained in class or what is written in the slides; don't write the derivation of formulas already explained in the lectures

- it is not necessary to list now the entire code you have used BUT be prepared to provide it separately (and makefiles or scripts to run) in case you will be requested; if you have written a code from scratch or if you have modified a code among those already available, be prepared to explain the structure or indicate clearly any modification (the discussion could be also during the final exam)

Specifically, for the final project:

- upload a report in pdf with no more than about 20 pages; codes must be provided separately, as well as makefiles or scripts for running; everything at least 24 h before the exam

- use Python of Fortran90 at your choice; the use of the alternative language with respect to your favourite one to solve at least one part of the problem will be very positively evaluated

- in the report briefly explain the crucial points of the problem and the approach that you have followed

- in the report don't write the derivation of formulas explained in the lectures BUT explain any formula you have derived yourself or taken from sources other than the lecture slides and give references

- of course also for the final project be prepared to discuss in details the codes that you have used/written