

Scientific Computing and Programming

Level 500 MSc (6 ECT) course

by

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Summary

In this course you will learn to handle UNIX computer systems, build simple shell scripts to combine programmes, at least one of the often used programming languages and you will gain knowledge and experience on basic numerical techniques that are often used in the field of Scientific Computing. This course is very multi-disciplinary and will be held through self-study.

Choose 3 modules...

The introduction in Linux is compulsory.

- C programming.
- Fortran programming.
- Scripting with Python.
- Numerical methods.
- High Performance Computing.

Each module takes at least five days to complete and the final grade will be the average but Linux score >6.

Course material

Documents and software can be found (from the UL network) at:

<http://lab.tc.lic.leidenuniv.nl/ScientificComputing>

and there is a blackboard course available.