

Title	Scientific Computing and Programming	SC	6 EC	Level: 500
Lecturer	Dr. M.F. Somers (UL)			
Prerequisite	Wiskunde 1A, 1B en 1C, Natuurkunde A			
Examination	Hand in answers to exercises.			
Description	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. Content: The course consists of four out-of six modules: 'an introduction to Linux', 'Python scripting', 'Fortran programming', 'C programming', 'High performance computing' and 'Numerical methods. Each module will take a week and the 'an introduction to Linux' module is compulsory for all students.			
Literature	Download: http://lab.tc.lic.leidenuniv.nl/ScientificComputing or on blackboard			
Period	Registration required: m.somers@chem.leidenuniv.nl. Throughout the year by self study every other year. Course is available for 2021-2022.			
Additional info	-			