COURSE DETAIL

SCIENTIFIC COMPUTING

Country
Germany

Host Institution
Technical University Berlin

Program(s)
Technical University Berlin

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
122

UCEAP Course Suffix

UCEAP Official Title
SCIENTIFIC COMPUTING

UCEAP Transcript Title
SCIENTIFIC COMPUTNG

UCEAP Quarter Units
5.50

UCEAP Semester Units
3.70

Course Description
This course on scientific computing covers the following topics: numerical methods focusing on partial differential equations (finite elements, finite volumes, mesh generation, linear and nonlinear solvers, iterative methods), their implementation and programming, computer languages (mainly C++, with introduction; python), parallelization, visualization, and software tools.

Language(s) of Instruction
English

Host Institution Course Number
3236 L 216

Host Institution Course Title
WISSENSCHAFTLICHES RECHNEN (SCIENTIFIC COMPUTING)

Host Institution Course Details

Host Institution Campus
FAKULTÄT II MATHEMATIK UND NATURWISSENSCHAFTEN

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematik

Course Last Reviewed

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