COURSE DETAIL

HIGH PERFORMANCE COMPUTING
Country Iceland
Host Institution University of Iceland
Program(s) University of Iceland
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 132
UCEAP Course Suffix
UCEAP Official Title HIGH PERFORMANCE COMPUTING
UCEAP Transcript Title HIGH PERFORMNC COMP
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

Main topics include the design of parallel computers and parallel programming models; shared memory architecture; message passing and distributed memory architecture; parallel programming of computer clusters using MPI and multicore programming using OpenMP; parallel algorithms for sorting, searching, linear algebra, and various graph problems.

Language(s) of Instruction
English

Host Institution Course Number
REI204M

Host Institution Course Title
HIGH PERFORMANCE COMPUTING

Host Institution Course Details
https://ugla.hi.is/kennsluskra/index.php?tab=nam&chapter=namskeid&id=70067120230

Host Institution Campus

Host Institution Faculty
Engineering and Natural Sciences

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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