



DS295 Jan 3:1

Parallel Programming

Instructor

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Teaching Assistant

None
Email: None

Department: CDS

Course Time: Tue, Thu, 11:30-13:00

Lecture venue: CDS 202 Classroom

Detailed Course Page: Available from the CDS main site

Announcements

Brief description of the course

The course covers advanced topics in parallel programming including advanced parallel constructs, advanced parallel algorithms, optimizations of parallel programs, advanced parallel numerical methods, parallel scientific applications, and parallel system software.

The course is primarily for graduate students who want to seriously pursue research in parallel programming and related fields.

Prerequisites

DS 221: Introduction to Scalable Systems

Syllabus

advanced parallel constructs, advanced parallel algorithms, optimizations of parallel programs, advanced parallel numerical methods, parallel scientific applications, and parallel system software.

Course outcomes

The students would primarily learn to apply advanced optimizations to parallel programs and write efficient

parallel codes for scientific applications.

Grading policy

30% for assignments, 30% for mid-terms, 20% for final project, 20% for final exam

Assignments

Resources