

COURSE DETAIL

PARALLEL PROGRAMMING LANGUAGES AND SYSTEMS

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

128

UCEAP Course Suffix**UCEAP Official Title**

PARALLEL PROGRAMMING LANGUAGES AND SYSTEMS

UCEAP Transcript Title

PARALLEL PROG LANGS

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

The course familiarizes students with the issues involved in designing, implementing, and applying parallel programming systems. Initial motivation is provided by consideration of a number of typical high performance applications and parallel architectures. This highlights the role of parallel software systems as a means of bridging the gap between these and allows abstraction of the issues which must be addressed by any such system (partitioning, communication, agglomeration, scheduling). It explores the ways in which these challenges have been addressed by a range of systems, including both de facto standards and more adventurous research projects.

Language(s) of Instruction

English

Host Institution Course Number

INFR11226

Host Institution Course Title

PARALLEL PROGRAMMING LANGUAGES AND SYSTEMS

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

Informatics

[Print](#)