

COURSE DETAIL

EXTREME COMPUTING

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

Scottish Universities, University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

136

UCEAP Course Suffix**UCEAP Official Title**

EXTREME COMPUTING

UCEAP Transcript Title

EXTREME COMPUTING

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

Extreme Computing deals with the principles, systems, and algorithms behind web-scale problem solving. This touches upon the technologies and techniques used by companies such as Google, Facebook, and Microsoft, using warehouse-scale computing and massive datasets. The course is made up of three parts: the principles behind extreme computing (cloud computing, scaling, performance, privacy, etc.); supporting infrastructure (distributed file systems, replication, web services); and algorithms (MapReduce, case studies from Natural Language Processing, database query evaluation, machine learning, streaming).

Language(s) of Instruction

English

Host Institution Course Number

INFR11088

Host Institution Course Title

EXTREME COMPUTING

Host Institution Course Details**Host Institution Campus**

Edinburgh

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Informatics

Course Last Reviewed

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