

COURSE DETAIL

ALGORITHMS AND DATA STRUCTURES IN AN OBJECT-ORIENTED FRAMEWORK

Country

United Kingdom - England

Host Institution

University of London, Queen Mary

Program(s)

University of London, Queen Mary

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

158

UCEAP Course Suffix**UCEAP Official Title**

ALGORITHMS AND DATA STRUCTURES IN AN OBJECT-ORIENTED FRAMEWORK

UCEAP Transcript Title

ALGORITH&DATA STRUC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores the basic concepts of algorithms and data structures expressed using the Java programming language. Java is an object-oriented language, and the object-oriented style is recognized as a good way of both breaking down a program into coherent parts, and generalizing these parts so they may be re-used in a variety of contexts. A key theme is the idea of "abstraction": being able to separate out the way a program component works in interaction with other components from what goes on underneath to make it work. The course is for those who have already covered the basics of programming, and wish to move on to use and develop their programming skills for designing and constructing components of programs of a larger scale.

Language(s) of Instruction

English

Host Institution Course Number

ECS510U

Host Institution Course TitleALGORITHMS AND DATA STRUCTURES IN AN OBJECT-ORIENTED
FRAMEWORK**Host Institution Campus**

Queen Mary, University of London

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

School of Electronic Engineering and Computer Science

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