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 Title
ALGORITHMS AND DATA STRUCTURES IN AN OBJECT-ORIENTED FRAMEWORK

Host Institution Course Details
http://www.qmul.ac.uk/modules/

Host Institution Campus
Queen Mary, University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department
School of Electronic Engineering and Computer Science

Course Last Reviewed
2023-2024

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