COURSE DETAIL

COMPILER AND FORMAL LANGUAGES
Country United Kingdom - England
Host Institution King's College London
Program(s) King's College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 130
UCEAP Course Suffix
UCEAP Official Title COMPILER AND FORMAL LANGUAGES
UCEAP Transcript Title COMPILER&FORML LANG
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course explains the techniques behind compilers, lexers and parsers. It looks into mathematical formalisms of regular expressions, context-free grammars, and shows their applications to computer languages and illustrates low level machine languages and compiler techniques. Students learn how to use regular expressions to scrape information from the web, how to design grammars for parsing languages and how to implement a small interpreter and compiler. Students will be able to implement the central components of a small compiler. Students will also know the theory behind lexing and parsing so that they canchoose an appropriate algorithm for recognising a computer language.

Language(s) of Instruction
English

Host Institution Course Number
6CCS3CFL

Host Institution Course Title
COMPILER AND FORMAL LANGUAGES

Host Institution Course Details
https://www.kcl.ac.uk/abroad/module-options/module?id=693c891b-21d4-45e8-b29c-e...

Host Institution Campus
King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Department of Informatics

Course Last Reviewed
2021-2022

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