COURSE DETAIL

UNIX PROGRAMMING
Country Ireland
Host Institution University College Dublin
Program(s) University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 123
UCEAP Course Suffix
UCEAP Official Title UNIX PROGRAMMING
UCEAP Transcript Title UNIX PROGRAMMING
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course focuses on introducing students to the core concepts of the Unix operating system and how to program this system. Today, Unix and Unix-like operating systems are ubiquitous; they are widely used in servers, embedded devices and have a growing desktop and mobile market (Linux, Mac OS X, Android etc.). This course teaches students how to develop applications for such systems, assuming no other software layer but OS. Students improve their existing C programming language skills and learn some key POSIX APIs to support designing and writing programs in a portable, maintainable fashion. They learn how to write multithreaded and multi-process applications as well as some basics of Unix networking. This is done through the Unix command line, and students learn basic tools and how to write shell scripts to automate common tasks. Students need a version of Unix installed on their own laptop (ideally Linux), help with this is provided in the first lab.

Language(s) of Instruction
English

Host Institution Course Number
COMP20200

Host Institution Course Title
UNIX PROGRAMMING

Host Institution Course Details
https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=COMP20200

Host Institution Campus
University College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Science

Course Last Reviewed
2023-2024

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