Advanced Operating System

（高等作業系統）

科目代碼：CSC0016 資訊碩　選修

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上課時間及地點：三 2-4

教科書：無特定教科書，請參考老師網頁。

選課需求：必須會 C 及 Java 程式語言

課程內容：

1. Unix system programming
    - Prerequisite: UNIX Tutorial for Beginners (http://www.ee.surrey.ac.uk/Teaching/Unix/)
    - Selected materials from "Advanced Programming in the UNIX Environment", Second Edition, 2005, W. Richard Stevens, Stephen A. Rago, ISBN 0-201-43307-9.
    - Curses
2. Cloud computing
    - Cloud computing overview
    - Hadoop system and programming
        - HDFS
        - Google big table
        - HBASE

課程要求： Exercises, Software project (Unix system programming and Hadoop), Paper presentation