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THE CHINESE UNIVERSITY OF HONG KONG
Print Course Catalog Details

May 10, 2023
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Academic Org: Dept of Computer Sci & Engg – Subject: Computer Science

Course: CSCI2720 **Course ID:** 002580 **Eff Date:** 2022-07-01 **Crse Status: Active** **Apprv. Status:** Approved 【Course Rev】

Building Web Applications 建設網上應用程式

This course is concerned with the development of web applications. The major topics include 1) Building blocks of web applications, 2) Client-side/front-end technologies, 3) Server-side/back-end technologies, and 4) Web application design and security issues.

本科旨在討論和實作開發網頁應用程式，其中主要範圍包括：一) 網頁應用程式的組件；二) 客戶端的前台技術；三) 伺服端的後台技術；及四) 網上應用程式的設計及保安。

Grade Descriptor:

A

EXCELLENT – exceptionally good performance and far exceeding expectation in all or most of the course learning outcomes; demonstration of superior understanding of the subject matter, the ability to analyze problems and apply extensive knowledge, and skillful use of concepts and materials to derive proper solutions.

有關等級說明的資料，請參閱英文版本。

B

GOOD – good performance in all course learning outcomes and exceeding expectation in some of them; demonstration of good understanding of the subject matter and the ability to use proper concepts and materials to solve most of the problems encountered.

有關等級說明的資料，請參閱英文版本。

C

FAIR – adequate performance and meeting expectation in all course learning outcomes; demonstration of adequate understanding of the subject matter and the ability to solve simple problems.

有關等級說明的資料，請參閱英文版本。

D

MARGINAL – performance barely meets the expectation in the essential course learning outcomes; demonstration of partial understanding of the subject matter and the ability to solve simple problems.

有關等級說明的資料，請參閱英文版本。

F

FAILURE – performance does not meet the expectation in the essential course learning outcomes; demonstration of serious deficiencies and the need to retake the course.

有關等級說明的資料，請參閱英文版本。

Equivalent Offering:
Units: 3 (Min) / 3 (Max) / 3 (Acad Progress)
Grading Basis: Graded
Repeat for Credit: N
Multiple Enroll: N
Course Attributes:

Topics:

COURSE OUTCOMES

Learning Outcomes:

At the end of the course of studies, students will have acquired the ability to

1. Understand the principles and technologies involved in building a web application;
2. Gain a better insight into emerging web technologies for building web applications;
3. Create interactive dynamic websites and web applications.

Course Syllabus:

This course is concerned with the development of web applications. The major topics include 1) Building blocks of web applications, 2) Client-side/front-end technologies, 3) Server-side/back-end technologies, and 4) Web application design and security issues.

Assessment Type:

Essay test or exam	：20%
Homework or assignment	：30%
Project	：30%
Short answer test or exam	：20%

Feedback for Evaluation:

1. Quiz and examinations
2. Course evaluation and questionnaire
3. Question-and-answer sessions during class
4. Student consultation during office hours or online

Required Readings:

nil

Recommended Readings:

1. Tutorials at w3schools.com: https://www.w3schools.com
2. Northwood, Chris. The Full Stack Developer: Your Essential Guide to the Everyday Skills Expected of a Modern Full Stack Web Developer (2018).
3. Ferguson, Russ. Beginning JavaScript: The Ultimate Guide to Modern JavaScript Development (2019).

OFFERINGS

1. CSCI2720   Acad Organization=CSD; Acad Career=UG

COMPONENTS

LEC : Size=30; Final Exam=Y; Contact=3
TUT : Size=30; Final Exam=N; Contact=1

ENROLMENT REQUIREMENTS

1. CSCI2720   **Enrollment Requirement Group:**
Not for students who have taken ESTR2106 or IERG3840
Prerequisite: AIST1110 or CSCI1110 or CSCI1120 or CSCI1130 or CSCI1510 or CSCI1520 or CSCI1530 or CSCI1540 or ENGG1110 or ESTR1002 or ESTR1100 or ESTR1102 or MATH2221 or PHYS2061 or its equivalent.

New Enrollment Requirement(s):
Pre-requisite = no change
Exclusion = no change

CAF

eLearning hrs for blended cls   0
No. of micro-modules   0
Research components (UG)   0%

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