

City University of Hong Kong

**Information on a Course
offered by Department of Computer Science
with effect from Semester A in 2012 / 2013**

Part I

Course Title: Topics on eCommerce Technologies

Course Code: CS6288

Course Duration: One Semester

Credit Units: 3

Level: P6

Medium of Instruction: English

Prerequisites: Nil

Precursors: CS5222 Computer Networks and Internets

Equivalent Courses: Nil

Exclusive Courses: Nil

Part II

Course Aims

This course is aimed at developing in the students' solid understanding in a range of topics on the current technologies to solve problems and meet requirements in eCommerce systems. Students should be able to participate effectively in the development of relevant technologies with respect to particular eCommerce applications.

Course Intended Learning Outcomes (CILOs)

Upon successful completion of this course, students should be able to:

No.	CILOs	Weighting (if applicable)
1.	describe the requirements of eCommerce Technologies;	

2.	analyze suitability of eCommerce technologies;	
3.	apply selected eCommerce technologies to design of particular applications;	
4.	describe and inquire on trends of eCommerce technologies.	

Teaching and Learning Activities (TLAs)

(Indicative of likely activities and tasks designed to facilitate students' achievement of the CILOs. Final details will be provided to students in their first week of attendance in this course)

Teaching pattern:

Suggested lecture/tutorial/laboratory mix: 2 hrs. lecture; 1 hr. tutorial.

CILO No.	TLAs	Hours/week (if applicable)
CILO 1	Lectures and tutorials	
CILO 2	Lectures, tutorials, discussion groups	
CILO 3	Lectures, tutorials, project	
CILO 4	Lectures, tutorials, reading	

Assessment Tasks/Activities

(Indicative of likely activities and tasks designed to assess how well the students achieve the CILOs. Final details will be provided to students in their first week of attendance in this course)

CILO No.	Type of Assessment Tasks/Activities	Weighting (if applicable)	Remarks
CILO 1	Assignment, quiz, examination		
CILO 2	Assignments, examination, project		
CILO 3	Assignments, project		
CILO 4	Assignment, quiz, examination		

Grading of Student Achievement: Refer to Grading of Courses in the Academic Regulations for Taught Postgraduate Degrees.

Examination duration: 2 hours

Percentage of coursework, examination, etc.: 50% CW; 50% Exam

Grading pattern: Standard (A+AA-...F)

For a student to pass the course, at least 30% of the maximum mark for the examination must be obtained.

Part III

Keyword Syllabus

The syllabus will evolve with time as current topic changes. The following are example keyword syllabus:

Network security, firewalls, proxy servers, access control; Physical security, virus; Encryption technologies, Public key infrastructure, Authentication protocols, Certification authority and applications, Copyright protection, watermarking; Web security, e-mail security, Payment protocols, Auctioning systems, Atomicity requirements, Electronic voting, Digital money, Smart card technology and applications, Intelligent agents; Database connections; Multimedia tools; Data mining; Software component technologies; Emerging Web technologies, Web 2.0, Rich Internet Applications, Service-Oriented architecture, service cloud.

Recommended Reading

Text(s)

K Laudon, C Traver, e-Commerce: Business, Technology, Society, 4th edition by Prentice Hall 2008

Online Resources

Current on-line resources