City University of Hong Kong

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

(Affected: Student Admitted in Academic Year 2009/2010 and thereafter)

Part I

Course Title: Research in Computer Science

Course Code: CS8695

Course Duration: One Semester

Credit Units: 2

Level: R8

Medium of Instruction: English

Prerequisites: *(Course Code and Title)*
Nil

Precursors: *(Course Code and Title)*
Nil

Equivalent Courses: *(Course Code and Title)*
Nil

Exclusive Courses: *(Course Code and Title)*
Nil

Part II

Course Aims

The aim of this course is to develop a graduate student's participation in research planning. Through attendance, a student will (i) be exposed to recent research trends and results in different areas; (ii) be aware of and appreciate various presentation skills and styles; (iii) come into contact with external and internal researchers. Through report writing, the student will (iv) practice comprehension and writing skill. Through seminar presentation, the student will (v) develop and practise presentation skill.

Course Intended Learning Outcomes (CILOs)

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

No.	CILOs	Weighting (if applicable)
1.	give considerations to different Research Approaches;	
2.	identify the strengths and limitation of each methods;	
3.	appreciate and report on different formats of presentation;	
4.	able to evaluate critically on existing research findings and to discover possible solutions to these findings;	
5.	to communicate and deliver research findings effectively.	

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/seminars mix: 2 hrs. lecture / seminar

CILO No.	TLAs	Hours/week (if applicable)
CILO 1	Classroom Lectures	
CILO 2	Classroom Lectures	
CILO 3	Seminars	
CILO 4	Presentations	
CILO 5	Report writing	

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	Topics on various areas in computer science.		
CILO 2	Group Discussions.		
CILO 3	Attending and reporting seminars.		
CILO 4	Seminar presentation.		
CILO 5	Report writing to evaluate performance of various research methods in various topics in computer science.		

Grading of Student Achievement:

Examination duration: Nil

Percentage of coursework, examination, etc.: 100% CW

Grading pattern: Pass/Fail based on attendance, report submission and seminar presentation.

Part III

Keyword Syllabus

Research Seminars, Computer Science Research, Research Methodology, Presentations, Research Topics, Computer Networks, Distributed Systems, Information Security, E-commerce Technologies, Software Engineering, Service-Oriented Computing, Real-time Systems, Embedded Systems, Applied Algorithms, Multimedia Technologies, Computer Systems, E-learning, Innovative Technology for Education, Bioinformatics, Artificial Intelligence and Knowledge and Data Management.

Recommended Reading

Text(s)

N/A

Online Resources

N/A