

**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:** Software Development Project Management

**Course Code:** CS6384

**Course Duration:** One Semester

**Credit Units:** 3

**Level:** P6

**Medium of Instruction:** English

**Prerequisites:** Nil

**Precursors:** CS5351 Software Engineering or equivalent

**Equivalent Courses:** Nil

**Exclusive Courses:** Nil

**Part II**

**Course Aims**

This course aims to present the principles, techniques and tools for the effective management of the software development process, focusing on the project manager's concerns when leading a software development project.

**Course Intended Learning Outcomes (CILOs)**

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

No.	CILOs	Weighting (if applicable)
1.	identify the tasks associated with a given software project;	
2.	apply appropriate techniques and tools for the effective management of projects;	
3.	function effectively, creatively and professionally in a project development team;	

4.	communicate and demonstrate project results.	
----	--	--

### 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: 3 hour lecture/tutorial*

CILO No.	TLAs	Hours/week (if applicable)
CILO 1	Introduction to Project Management and team formation.	
CILO 2	Project Management and Information Technology Context teams.	
CILO 3	Project Communications, Templates.	
CILO 4	Intermediate report presentation, final report presentation, report documentation.	

### 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 1-4	The purpose of the group project (3-4 people per group) is to use a structured approach to project management in a team setting producing a running case study.	30%	
CILO 1-2	In class test 1.	15%	
CILO 1-3	In class test 2.	15%	
CILO 1-3	Final examination.	40%	

### Grading of Student Achievement

*Examination duration: 2 hours*

*Percentage of coursework, examination, etc.: 60% CW; 40% 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

Project definition. Project management relationship. Project tasks. Estimation and management of resources: planning, time and costs. Development teams. Product quality. Product control. Monitoring and control. Evaluation and review. Tools and techniques. Scheduling: Gantt chart, network analysis, critical path, PERT. Project management information systems. Programming support environments. Configuration management. Issues in project management.

### Syllabus (*Based on the recommended text*)

DATE	TOPIC	READINGS (in advance)
Week 1	Introduction to Project Management	Chapter 1
Week 2	Project Management and the Information Technology Context	Chapter 2
Week 3	The Project Management Process Groups: A Case Study	Chapter 3
Week 4	Project Integration Management	Chapter 4
Week 5	Exam 1, Project Scope Management	Chapter 5
Week 6	More on Project Scope Management	Chapter 5
Week 7	Project Time Management	Chapter 6
Week 8	Microsoft Project 2003, Project Cost Management	Appendix A, Chapter 7
Week 9	Project Quality Management, Certifications	Chapter 8, Appendix B
Week 10	Exam 2, Project Human Resource Management	Chapter 9
Week 11	Project Communications Management, Templates	Chapter 10, Appendices D–E
Week 12	Project Risk Management and Project Procurement Management	Chapters 11–12

### Recommended Reading

#### Required Text

*K. Schwalbe (2006). Information Technology Project Management. Fourth Edition. Course Technology. **This text is required.***

#### Online Resources