

City University of Hong Kong
Course Syllabus

offered by Department of Information Systems
with effect from Semester A in 2022 / 2023

Part I Course Overview

Course Title: Information Systems Project II

Course Code: IS4938*

Course Duration: One Semester (minimum 160 hours)

Credit Units: 3

Level: B4

Arts and Humanities

Proposed Area:
(for GE courses only)

Study of Societies, Social and Business Organisations

Science and Technology

Medium of Instruction: English

Medium of Assessment: English

Prerequisites:
(Course Code and Title) IS4937 Information Systems Project I

Precursors:
(Course Code and Title) Nil

Equivalent Courses:
(Course Code and Title) Nil

Exclusive Courses:
(Course Code and Title) IS4931 Information Management Development Project

*Students are allowed to take IS4937, IS4938 but in different semesters.

Part II Course Details

1. Abstract

(A 150-word description about the course)

This course aims to equip students with knowledge and skills to apply IS methodologies to solve business problems. Students will learn how to initiate a project, conduct literature reviews and benchmark analysis, implement an IS project, and write a project report for their internship, consulting and research projects. It is to enhance student's practical skills in managing projects in a business information systems environment. Furthermore, students' skills in effective communication, individual and team work, time management, data analysis and reporting, and creative problem solving will be trained in the real-world and evaluated for improvement. Students taking this course should have completed IS4937 and should already possess a fair amount of practical experience in the application, consultancy and/or research of information systems in a business setting.

2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs [#]	Weighting* (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	Conduct an information systems project in a business setting in the form of internship, consulting or research projects.	20%	✓	✓	
2.	Demonstrate the attitude and ability to apply various design methodologies to model user requirement and propose innovative business solutions.	20%	✓	✓	
3.	Demonstrate creative problem solving skills in developing detailed business solutions.	20%	✓	✓	
4.	Apply the concepts and techniques of project management to initiate, plan, execute, control and close information systems development or management projects.	20%	✓	✓	✓
5.	Exercise good communication and interpersonal skills in eliciting user requirements and in presenting detailed business solutions.	20%		✓	
		100%			

* If weighting is assigned to CILOs, they should add up to 100%.

[#] Please specify the alignment of CILOs to the Gateway Education Programme Intended Learning outcomes (PILOs) in Section A of Annex.

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

3. Teaching and Learning Activities (TLAs)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.					Hours/week (if applicable)
		1	2	3	4	5	
TLA1: Field Study	Students will spend reasonable amount of time at real-world organisations to observe, analyse, and document the socio-technical problems associated with the implementation or management of business information systems. In addition, students will propose appropriate business solutions to address the business challenges of the real-world organisations.	✓	✓	✓	✓	✓	
TLA2: Case Study	Students will observe, analyse, and document the socio-technical problems associated with the implementation or management of business information systems based on the information given by some real-world organisations.	✓	✓	✓	✓	✓	
TLA3: On-Line Discussion	It is a means of self-reflection and sharing of concepts, techniques, and methods associated with the implementation or management of business information systems.		✓	✓	✓	✓	
TLA4: Seminar	Students will discuss their findings and the detailed designs of some business solutions with fellow students and the project supervisors.		✓	✓	✓	✓	

4. Assessment Tasks/Activities (ATs)

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No.					Weighting*	Remarks
	1	2	3	4	5		
Continuous Assessment: 100%							
<u>AT1. Project Diary</u> A self-reflection of the problems encountered and the insights developed by individual students during the course of their project study.	✓	✓	✓	✓	✓	20%	
<u>AT2. Project Report</u> A formal documentation of how an IS project is conducted, the socio-technical issues observed from the targeted business environment, and the detailed IS solutions to address the specific business problems.	✓	✓	✓	✓	✓	60%	
<u>AT3. Project Presentation</u> A formal presentation to communicate the business problems identified and the detailed design of the business solution to the project supervisors.	✓	✓	✓		✓	20%	
Examination: 0% (duration: n/a)							
* The weightings should add up to 100%.						100%	

5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Assessment Task (AT)	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
AT1. Project Diary	Ability to thoroughly identified and analysed the socio-technical issues of the problem domain	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to synthesis sound system design methodologies and applied to develop the detailed design of a business solution	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to creatively develop the detailed design of a business solution based on the characteristic of the given business problem	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to demonstrate sound project management methodology is thoroughly and creatively applied to drive the consulting project	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to integrate communication skills so that ideas are communicated in the most cost-effective way	High	Significant	Moderate	Basic	Not even reaching marginal levels
AT2. Project Report	Ability to thoroughly identified and analysed the socio-technical issues of the problem domain	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to synthesis sound system design methodologies and applied to develop the detailed design of a business solution	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to creatively develop the detailed design of a business solution based on the characteristic of the given business problem	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to demonstrate sound project management methodology is thoroughly and creatively applied to drive the consulting project	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to integrate communication skills so that ideas are communicated in the most cost-effective way	High	Significant	Moderate	Basic	Not even reaching marginal levels
AT3. Project Presentation	Ability to thoroughly identified and analysed the socio-technical issues of the problem domain	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to synthesis sound system design methodologies and applied to develop the detailed design of a business solution	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to creatively develop the detailed design of a business solution based on the characteristic of the given business problem	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Ability to integrate communication skills so that ideas are communicated in the most cost-effective way	High	Significant	Moderate	Basic	Not even reaching marginal levels

Part III Other Information (more details can be provided separately in the teaching plan)

1. Keyword Syllabus

(An indication of the key topics of the course.)

IS Consultancy, IS Research, Artificial Intelligence, Big Data, Cloud Services, System Analysis and Design, IS Project Management.

2. Reading List

2.1 Compulsory Readings

(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)

1.	Nil
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2.2 Additional Readings

(Additional references for students to learn to expand their knowledge about the subject.)

1.	There is no formal reading list for this course.
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