City University of Hong Kong
Course Syllabus

offered by Department of Computer Science
with effect from Semester A 2022/23

Part I Course Overview

Course Title:	IT Professionals and Society
Course Code:	CS2066
Course Duration:	One semester
Credit Units:	3 credits
Level:	B2
Proposed Area: *(for GE courses only)*	☐ Arts and Humanities ☐ Study of Societies, Social and Business Organisations ☐ Science and Technology
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: *(Course Code and Title)*	Nil
Precursors: *(Course Code and Title)*	Nil
Equivalent Courses: *(Course Code and Title)*	JC2066 IT Professionals: Ethical, Legal and Social Issues
Exclusive Courses: *(Course Code and Title)*	SS3904 Science, Technology and Society for Computing

Part II Course Details

1. Abstract

(A 150-word description about the course)

The course aims to provide students with concepts and knowledge of technology trend and its impact on the society. It stimulates students to have a basic awareness of the legal responsibilities, ethical obligations and professional conduct as an IT professional; and understand issues relating to sustainable development, health and safety in the workplace of an information society. Eminent professionals are invited to deliver some of the lectures, aiming to provide students with some professional insights leading to the need for life-long learning.

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.	Recognise the impact of information technology on the society, and the role of IT professionals in the development of ICT industries.		✓	✓	
2.	Understand the responsibilities of IT professionals in sustainable development, and health and safety in the workplace.		✓	✓	
3.	Describe the legal responsibilities, ethical obligations and rules of conduct of an IT professional.		✓	✓	
4.	Recognise and appreciate the world-wide technology trend and innovation, and the need for life-long learning.		✓	✓	
		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.)

Teaching pattern:

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

TLA	Brief Description	CILO No.				Hours/week (if applicable)
		1	2	3	4	
Lecture	Made up of a mixture of lectures and group work. Professional engineers, eminent industrialists and ICAC officers will be invited as guest lecturers to enrich students' learning. Students' learning on each lecture topic is complemented by selected case studies, assignments and follow-up group work or individual assignments. Tutorials provide the forum for case analyses, topical discussions and interactions among students and tutor.	✓	✓	✓	✓	2 hours/ week
Tutorial (Group Work/ Individual Work)		✓	✓	✓	✓	1 hour/ week

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		
Continuous Assessment: 50%						
At least 2 group assignments with presentation	✓	✓	✓	✓	40%	
Short test	✓	✓	✓		10%	
Examination^: 50% (duration: 2 hours)	✓	✓	✓	✓	50%	
					100%	

** The weightings should add up to 100%.*

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

5. Assessment Rubrics

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

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
1. Continuous Assessment	Achievements in CILOs	High	Significant	Moderate	Basic	Not even reaching marginal levels
2. Examination	Achievements in CILOs	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.)

1.1 Introduction to Local and Global Industry

Overview of local and global ICT industries in various sectors. International cooperation. Technology transfer. Quality assurance practices.

1.2 Engineering and Society

Impact of engineering on society and impact of society on engineering- key issues. The role of engineers and professionals in society.

1.3 Technological Trends and life-long learning

Emerging technologies. Eminent practitioners in industry and commerce will be invited to deliver at least 3 topics of current interests. Continuous professional development and life-long learning.

1.4 Ethics in Practice

Engineering professional ethics, conflicts of interests, code of conduct, legal issues.

1.5 Health and safety

Health, safety and welfare at work, preventing the unlawful activities

1.6 Sustainable development

Environmental issues, shortage of resources, sustainable development.

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.)

Nil

2.2 Additional Readings

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

1.	L. S. Hjorth, B. A. Eichler, A. S. Khan, J. A. Morello: Technology and Society – issues for the 21st century and beyond. (Pearson, 3rd edition, 2008).
2.	Charles E. Harris, Michael S. Pritchard & Michael J. Rabins, Engineering Ethics: Concepts and Cases, Belmont, California: Wadsworth, ISBN: 978-0495502791.
3.	Castells, M., Fernández-Ardèvol, M. Qiu, J. L., and Sey, A. Mobile communication and society: a global perspective. (Cambridge, Mass. : MIT Press, 2009)
4.	Website of HKIE https://www.hkie.org.hk/en/