

UOW COLLEGE HONG KONG / COMMUNITY COLLEGE OF CITY UNIVERSITY
COURSE INFORMATION RECORD
(Associate Degrees, Higher Diplomas and Diploma)

This form is for the completion by the Course Examiner. The information provided on this form is the official record of course. It will be used for the College's database, various College publications (including websites) and documentation for students and others as required. Please refer to the *Explanatory Notes* attached to this form on the various items of information required.

Offered by	Faculty of Science and Technology
With effect from <i>(semester and academic year)</i>	Semester A, 2021/2022

Part I Course Overview

Course Title:	Information Technology: Applications and Impacts
Course Title <i>(in Chinese if applicable):</i>	Nil
Course Code:	CGE13213
Course Duration:	1 semester
Credit Units:	3
Level:	A1
QF Credit Units:	14
QF Level:	4
GE Domain: <i>(for GE courses only)</i>	<input type="checkbox"/> Arts and humanities <input checked="" type="checkbox"/> Science and technology <input type="checkbox"/> Society and organisations
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: <i>(Course code and title)</i>	Nil
Precursors: <i>(Course code and title)</i>	Nil
Equivalent courses: <i>(Course code and title)</i>	CGE13203 Information Technology: Applications and Impacts
Exclusive courses: <i>(Course code and title)</i>	Nil
Programmes/cohorts of students not allowed to enrol in this course (if any):	Nil

Part II Course Details

1. Course Aims

This fundamental course provides students with a comprehensive overview of information technologies with a view to inspiring the responsible use of information and communication technologies in their self-directed learning, encouraging critical analysis and management of the information available on the Internet, developing their abilities to produce creative and well-organized multimedia products in their studies and workplaces, and instilling a sense of social awareness and behave responsibility in the rapid changing information age.

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.)

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

No.	CILOs	Weighting (if applicable)
1.	Explain the fundamental concepts and principles of information technology applications.	10
2.	Work productively using appropriate applications such as word processing, spreadsheet, presentation and multimedia tools.	25
3.	Collect and interpret information from the Internet and electronic resources efficiently and evaluate information for decision making and problem solving.	25
4.	Communicate and present information effectively in digital multimedia formats in a collaborative and virtual environment.	25
5.	Discuss the role of information technologies in various professions and critically evaluate and reflect the impact in different disciplines.	15
	If weighting is assigned to CILOs, they should add up to	100%

3. Alignment of the CILOs with the Programme Intended Learning Outcomes

Only for Generic Courses and General Education Courses	CILOs (Please ✓ if the CILO(s) is/are aligned with the PILOs)				
	1	2	3	4	5
Intended learning Outcomes of General Education					
I-V Required (All outcomes below must be aligned with at least one CILO)					
I. Demonstrate a solid foundation of inquiry skills for life-long learning	✓		✓		
II. Apply critical and creative thinking skills		✓		✓	
III. Communicate coherently in written and spoken language				✓	
IV. Apply quantitative reasoning / problem solving skills			✓		

V. Demonstrate capacity for ethical reasoning and responsible actions				✓	
VI – VIII Optional (At least one outcome below must be aligned with at least one CILO)					
VI. Recognize the important characteristics of diverse peoples and cultures					
VII. Examine the major regional and global issues and relate them to the socio-political, cultural, economic and technological factors.					
VIII. Appreciate the impact of scientific and technological development on society and individual.	✓	✓	✓		✓

4. Teaching and Learning Activities (TLAs)

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

TLA	Brief Description	CILO No.				
		1	2	3	4	5
a. Lecture demonstration	Lectures provide an introduction of and explanation to various concepts and techniques in information technology. Demonstrations and discussions will be conducted to provide opportunities for student engagement.	✓		✓	✓	✓
b. Online lecture participation exercises	Online short question exercises are organized to engage students to think about selected lecture topics. In class discussion (10 minutes or less) on relevant topics allow students to have the chance to discuss with their classmates and express their opinions.	✓		✓	✓	✓
c. In-class laboratory exercises	Laboratory exercises provide students with hands-on experience in using various application software systems such as word processing and spreadsheet operations on problems related to their daily life.		✓	✓	✓	✓
d. Group project presentation	In groups, students conduct research on a selected topic using the Internet search engine, and summarize and present their findings on PowerPoint slides.		✓	✓	✓	✓

5. Teaching Schedule:

Lecture (hr/week):	2	Tutorial (hr/week):	1	Other (please specify) (hr/week):	N/A
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6. Assessment Tasks/Activities (ATs)

(ATs are designed to allow students to demonstrate how well they have achieved the CILOs.)

AT	Brief Description	CILO No.
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		1	2	3	4	5	Weighting (%)
a. Individual Project Proposal	Project proposal allows students to analyse problem from different perspectives and to solve well-defined problems individually. Students are expected to create a proposal to report their findings and ideas using the technique they learned during the lab sessions to present their understanding and the application skills.		✓	✓	✓	✓	20
b. Group Project	The project assesses students' abilities to analyse and create from different perspectives a problem related to the impact of information technology on our community. Students are required to submit: <ul style="list-style-type: none"> • A website with maximum 20 pages to promote their project solutions and recommendations. • Each group shall prepare a 10 minutes video presentation with Microsoft PowerPoint to present their project summary. 	✓	✓	✓	✓	✓	40
c. In-class exercises	Laboratory exercises are designed for students to work in and after class and require students to solve problems using information technology skills. In class assessment during the lecture can examine students' understanding of the lecture topics.		✓	✓		✓	30
d. Personal e-portfolio	An individual webpage to introduce their personal eportfolio as a digital collection with an opportunity for students to assess and reflect on their academic work, to showcase their skills, abilities, values, experiences, and competencies.		✓	✓	✓		10
The weightings must add up to							100%

7. Assessment Schedule (on the basis of Assessment Tasks/ Activities identified above)

Examination (%): 0	Duration (Hrs): 0	Coursework (%): 100
Grading Mode: Standard or Pass/Fail* (delete as appropriate)		

Part III Learning Contents and Readings

1. Syllabus and Alignment with Course Intended Learning Outcomes

Major themes	Related issues and topics	CILOs				
		1	2	3	4	5
a. Representing Information Digitally: Theory and Concept	Bits and bytes; Number systems; Hardware and software; Graphical user interface; Device drivers and operating systems; Multimedia file formats; Lossy and lossless compression; Image processing; IP addresses and hostnames; Hypertext markup language; Uniform Resource Locator.	✓		✓		
b. Working and Learning Effectively with Digital Technologies	Desktop publishing and presentation: Style and themes, Word arts and Indexing, Mail Merge and Table of Contents, Image and Visual Tools; Data Analysis and management: Formatting and charts, Pivot tables, Financial analysis; Multimedia production: Animation, Video recording and editing; Information sharing: online application, Web-based calendar.		✓	✓	✓	
c. Social Impact of Computers and Technology	Limitations of Information Technology; Universality; Engagement in sustained reasoning; Courtesy in the cyber world; Intellectual Property; Privacy; Computer crime; Threats to Computers & Communications Systems; Safeguarding Computers & Communications; Disaster-recovery plans.			✓		✓
d. Internet and the Society	Freedom of speech; Internet history; Search engines; E-Journals and E-library searching. Social networks; Cultural impact of the Internet; Trend of the Internet; Information overload.			✓	✓	✓

2. Reading List

Compulsory Readings:

Evans, A., Martin, K., & Poatsy, M. A. (2019). *Technology in action: Introductory*. New York, NY: Pearson.

Additional Readings:

Geoghan, D. (2019). *Visualizing technology*. New York, NY: Pearson.

Online Resources:

N/A

Part IV

1. Course Examiner:

Name: Mr. Stanley TSO

Date: 23 August 2021

2. Associate Dean of Faculty

Name: Dr. Ho-lam LAU

Date: 29 August 2021

3. Reviewer (if applicable):

Name: _____

Position/Affiliation: _____

Date: _____