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 Business
With effect from *(semester and academic year)*	Semester B, 2021/2022

Part I Course Overview

Course Title:	Understanding Society Through Statistical Reasoning
Course Title *(in Chinese if applicable):*	
Course Code:	CGE13111
Course Duration:	One semester
Credit Units:	3
Level:	A1
QF Credit Units:	14
QF Level:	4
GE Domain: *(for GE courses only)*	☐ Arts and humanities ☒ Science and technology ☐ Society and organisations
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)*	CGE13101 Understanding Society Through Statistical Reasoning
Exclusive courses: *(Course code and title)*	NIL
Programmes/cohorts of students not allowed to enrol in this course (if any):	NIL

Part II Course Details

1. Course Aims

This course aims to develop students' abilities to use statistics and mathematics to analyse data and figures and to interpret various personal and social issues. It prepares students to achieve a better understanding through statistical reasoning of the social, economic, political, financial, environmental and personal factors involved so as to formulate better decisions.

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.	Apply the basic quantitative skills to evaluate issues related to the economic, political, social, financial aspects;	20%
2.	Apply statistical and mathematical applications to gain understanding of the trends in business and in society;	20%
3.	Apply proper methods and procedures to quantify information;	20%
4.	Apply basic statistical reasoning techniques to formulate better decisions in various situations; and	20%
5.	Collect, describe, present, interpret and evaluate primary data, secondary data and survey results.	20%
	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)*				
Intended learning Outcomes of General Education	1	2	3	4	5
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	Lectures provide various concepts in handling data, procedures and techniques of mathematical calculations, application and analysis with daily life examples.	✓	✓	✓	✓	✓
b. Class exercise	Class exercises will be conducted via online response and polling systems such as Kahoot or Socrative in the lectures to engage students and assess how they master the concepts.	✓	✓	✓	✓	✓
c. Software demonstration	Software demonstration helps students to acquire information technology skills in quantitative analysis.	✓	✓	✓	✓	✓

5. Teaching Schedule:

Lecture (hr/week):	3	Tutorial (hr/week):	0	Other (please specify) (hr/week):	

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.**					**Weighting (%)**
		1	2	3	4	5	
a. In-class Exercises	Ten in-class exercises (2% each) will be arranged to assess students' basic understanding of the relevant course contents so as to check their learning progress within and outside classroom.	✓	✓				20%
b. Take-home Assignments	Three take-home assignments (10% each) to assess students' understanding of concepts and application of skills to problems relevant to daily life in each topic	✓	✓	✓			30%

	(namely Collecting and Describing Data, Statistical Reasoning, and Understanding Social and Economic Indicators).						
c. Individual Application Assignment	Students are required to use the given results from a small scale quantitative research to preform hypothesis testing and present their findings no more than 2000 words.	✓		✓	✓	✓	25%
d. Online Final Test	Students attempt online computational in various types of questions to demonstrate their ability to apply knowledge and analytical skills to daily life and contemporary phenomena. Duration: 2 hours	✓	✓	✓	✓	✓	25%
						The weightings must add up to	100%

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

Examination (%): --	Duration (Hrs): --	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. **Collecting and Describing Data**	Primary and secondary Data; Sources of secondary data; Charting, tabulating, organizing and presentation of data; Descriptive statistics; Hong Kong statistics; Data collection and measurement scales; Census and sampling; Basic sampling methods	✓	✓	✓		✓
b. **Statistical Reasoning**	Estimation of parameters; Hypothesis testing; Testing for population mean and population proportion; Testing for significant difference between groups; Test for association; Application of various statistical techniques to interpret survey findings and public opinion poll	✓	✓	✓	✓	✓
c. **Understanding Social and**	Gini Coefficient to measure the inequality of income; Human Development Index to rank	✓	✓			✓

	Economic Indicators	countries in terms of life expectancy, education, and income; M-Form Society; Poverty line; Hang Seng Index; Consumer Price Index; Credit rating; Public Opinion Surveys organized by Universities and mass media					
d.	**Data Analysis Using Computer**	Application of data analysis in Excel; Add-ins; Analysis Toolpak; Mastering Hypothesis Testing techniques with Excel	✓	✓	✓	✓	✓

2. Reading List

Compulsory Readings:

Berenson, Mark L., author.; Levine, David M. (2019). *Basic business statistics; concepts and applications*. Melbourn, VIC:P.Ed Australia.

Additional Readings:

Angel, A. R., Abbott, C. D., & Runde, D. C. (2017). *A survey of mathematics with applications* (10th Ed.). Boston, MA: Pearson.

Census and Statistics Department (2018). *Hong Kong in figures.* Hong Kong Special Administrative Region.

Census and Statistics Department (2017). *Hong Kong annual digest of statistics.* Hong Kong Special Administrative Region.

Colwell, S., & Carter, E. (2016). *Introduction to statistics for social sciences*. Hoboken, NJ: Wiley Custom Learning Solutions.

Part IV

1. Course Examiner:

Name: Ken Hui

Date: 9 September, 2021

2. Associate Dean of Faculty

Name: Cyril Tse

Date**:** 13 September, 2021

3. Reviewer (if applicable):

Name:

Position/Affiliation:

Date: