

City University of Hong Kong
Course Syllabus

offered by School of Data Science
with effect from Semester A 2024/25

Part I Course Overview

Course Title:	Seminars on Data Science I
Course Code:	SDSC8001
Course Duration:	Two Semesters
Credit Units:	1
Level:	R8
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)	Nil
Exclusive Courses: (Course Code and Title)	Nil

Part II Course Details

1. Abstract

This course aims to

- help students to discover and critically apply the research approach and methodology for carrying out research works
- broaden students' knowledge in various areas of data science by attending seminars given by experts
- strengthen the presentation and communication skills through oral presentation and discussion with their fellow students

2. Course Intended Learning Outcomes (CILOs)

No.	CILOs	Weighting* (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	Recognize and understand the different research methodologies in various areas of data science and advance knowledge by conducting literature search.	50	✓	✓	
2.	Clearly articulate and describe the research problems and the solutions in some subject areas as presented in the seminars.	30	✓	✓	✓
3.	Formally summarize research findings in specific topic(s).	20	✓	✓	✓
		100%			

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. Learning and Teaching Activities (LTAs)

LTA	Brief Description	CILO No.						Hours/week (if applicable)
		1	2	3				
Seminar participation	Students will attend the seminars regularly, and participate in the discussion and possibly raising questions.	✓						1 hour/ week
Seminar presentation and writing	Students will work on one report on a chosen research problem and the associated findings, and make one seminar presentation of the report if needed.		✓	✓				

4. Assessment Tasks/Activities (ATs)

Assessment Tasks/Activities	CILO No.						Weighting*	Remarks
	1	2	3					
Continuous Assessment: <u>100</u> %								
Attendance in seminars	✓						50%	
Report writing and seminar presentation		✓	✓				50%	
Examination: <u>0</u> % (duration: _____, if applicable)								
							100%	

5. Assessment Rubrics

Assessment Task	Criterion	Pass (P)/ Fail (F)
1. Attendance in research seminars	Attendance of at least 12 departmental seminars and active participation in the seminar discussions.	Pass/ Fail
2. Report writing and seminar presentation	Ability to write a report and make a seminar presentation.	Pass/ Fail

100% Coursework on a Pass/Fail basis.

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

1. Keyword Syllabus

- Independent study
- Literature search
- Communication and presentation skills

2. Reading List

2.1 Compulsory Readings

NIL

2.2 Additional Readings

NIL