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 II
Course Code:	SDSC8002
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. Students will 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 representation of the report if needed.		✓	✓				

4. Assessment Tasks/Activities (ATs)

Assessment Tasks/Activities	CILO No.						Weighting*	Remarks
	1	2	3					
Continuous Assessment: _100_%								
Attendance in seminars	✓						50%	
Report writing and seminar presentation		✓	✓				50%	
Examination: __0__% (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