

**City University of Hong Kong  
Course Syllabus**

**offered by School of Data Science  
with effect from Semester A 2022/23**

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**Part I Course Overview**

<b>Course Title:</b>	<u>Seminars on Data Science I</u>
<b>Course Code:</b>	<u>SDSC8001</u>
<b>Course Duration:</b>	<u>Two Semesters</u>
<b>Credit Units:</b>	<u>1</u>
<b>Level:</b>	<u>R8</u>
<b>Medium of Instruction:</b>	<u>English</u>
<b>Medium of Assessment:</b>	<u>English</u>
<b>Prerequisites:</b>	<u>Nil</u>
<b>Precursors:</b>	<u>Nil</u>
<b>Equivalent Courses:</b>	<u>Nil</u>
<b>Exclusive Courses:</b>	<u>Nil</u>

## 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.	Initiate and recognize different research methodologies in various areas of data science and advance knowledge by conducting literature search.	50	✓	✓	
2.	Describe the research problems and the solutions in some subject areas as presented in the seminars.	30	✓	✓	✓
3.	Prepare a presentation summarizing 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. Teaching and Learning Activities (TLAs)

TLA	Brief Description	CILO No.						Hours/week (if applicable)
		1	2	3				
Seminar participation	-Regular attendance -Questions and discussion	✓						1 hour/ week
Seminar presentation and writing	-One report on some research problems and findings - One seminar presentation on the report		✓	✓				

### 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**

### **1. Keyword Syllabus**

- Independent study
- Literature search
- Communication and presentation skills

### **2. Reading List**

#### **2.1 Compulsory Readings**

*NIL*

#### **2.2 Additional Readings**

*NIL*