City University of Hong Kong
Course Syllabus

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

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: Nil

Precursors: Nil

Equivalent Courses: Nil

Exclusive Courses: 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)**
   (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.)

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: 100 %								
Attendance in seminars	✓						50%	
Report writing and seminar presentation		✓	✓				50%	
Examination: 0 % (duration: , if applicable)								

*The weightings should add up to 100%.

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
   (Additional references for students to learn to expand their knowledge about the subject.)

   NIL