City University of Hong Kong
Course Syllabus

offered by Department of Biostatistics
with effect from Summer Term 2024

Part I Course Overview

Course Title:	**Communication and Project Study**
Course Code:	**BIOS6903**
Course Duration:	**1 semester**
Credit Units:	**3 CUs**
Level:	**P6**
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

(A 150-word description about the course)

This course aims to provide students with the skills and experience needed to: 1) Formulate and produce graphical displays of quantitative information that effectively communicate analytic findings; 2) Translate research objectives into testable hypotheses; 3) Compare and contrast different study designs and their implications for inference in biomedical/public health research; 4) Interpret quantitative findings in accurate, accessible language for audiences outside of biostatistics. Students work in consultation with a faculty advisor who approves both a proposed project prior to its initiation, and the report submitted at its conclusion. The project should be tailored to the individual interests and goals of the student.

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.	Understand the importance of effective communication of biostatistical findings	40%	√	√	
2.	Ability to interpret quantitative results in accurate and accessible language	40%	√	√	√
3.	Appreciate the relevance of inference in biomedical/public health research	20%	√	√	√
** If weighting is assigned to CILOs, they should add up to 100%.*		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)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.			Hours/week (if applicable)
		1	2	3	
Teaching	Learning through consultation with a faculty advisor.	√	√	√	
Assignments	A project approved by the faculty advisor prior to its initiation, and a report submitted at its conclusion.	√	√	√	

4. Assessment Tasks/Activities (ATs)

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No.			Weighting*	Remarks
	1	2	3		
Continuous Assessment: 100%					
Oral presentation	√	√	√	30%	
Written report	√	√	√	60%	
Participation	√	√	√	10%	
Examination: 0%					
** The weightings should add up to 100%.*				100%	

5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Applicable to students admitted in Semester A 2022/23 and thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B)	Marginal (B-, C+, C)	Failure (F)
1. Oral presentation	Communication skills and comprehensive understanding	Displays a thorough understanding of project details and effectively communicates them in the oral presentation	Adequately demonstrates an understanding of project details and communicates them in the oral presentation	Exhibits a basic understanding of project details and conveys them in the oral presentation	Lacks comprehension of project details and is unable to effectively communicate them in the oral presentation
2. Written report	Problem solving based on comprehensive understanding	Consistently exhibits a thorough understanding of the research project in the written report	Sufficiently demonstrates comprehension of the research project in the written report	Demonstrates some understanding of the research project in the written report	Demonstrates little understanding of the research project in the written report
3. Participation	Communication skills	Engages actively in project team meetings, group discussions, and activities	Participates in project team meetings, group discussions, and activities, but not consistently or actively	Minimally participates in project team meetings, group discussions, and activities	Rarely participates in project team meetings, group discussions, and activities

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

1. Keyword Syllabus

(An indication of the key topics of the course.)

Study design; translation of research objectives into testable hypotheses; interpretation of quantitative findings; effective communication of results to audiences outside biostatistics.

2. Reading List

2.1 Compulsory Readings

(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)

Nil

2.2 Additional Readings

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

1.	Textbooks and course lecture notes in the MSc in Biostatistics programme.