

BMS4006: FINAL YEAR PROJECT MEDICAL LABORATORY RESEARCH

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

Final Year Project Medical Laboratory Research

Subject Code

BMS - Biomedical Sciences

Course Number

4006

Academic Unit

Biomedical Sciences (BMS)

College/School

College of Biomedicine (BD)

Course Duration

Two Semesters

Credit Units

0-6

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

Students will be required to carry out an independent laboratory based project based on their knowledge and research skills. Students have to do a literature survey to find updated information about their research topic. They should discuss the project topics with their assigned supervisor and review the progress on a regular basis. To fulfill the course requirement, students need to submit a final report of their proposal and give an oral presentation at the end of the course.

Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1 Design and carry out an independent laboratory based project		x	x	x
2 Criticizes the scientific literature and analyse the experimental data			x	
3 Demonstrate the ability to make scientific observations and gather information		x	x	x
4 Evaluate the collected data and present it in both written and oral form			x	x
5 Hypothesize and stimulate creative thinking as well as thinking from different perspectives		x	x	x

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 real-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.

Learning and Teaching Activities (LTAs)

LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1 Seminars/ Sharing sessions	Practice and refine one's own skills in discussions and sharing of ideas with others with confidence	1, 3, 5	
2 Supervisory visits	Regular supervisory visits to discuss, review the research projects and give feedbacks to the students	1, 2, 3, 4, 5	

Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks ("- for nil entry)	Allow Use of GenAI?
1 Research proposal	1, 2, 3	20	-	No
2 Oral presentation	4	30	-	No
3 Final Report	1, 2, 3, 4, 5	50	-	No

Continuous Assessment (%)

100

Examination (%)

0

Minimum Continuous Assessment Passing Requirement (%)

0

Assessment Rubrics (AR)

Assessment Task

1. Research proposal

Criterion

Demonstrate the ability to explain the methodology and procedure

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

2. Oral presentation and Final Report

Criterion

Ability to explain the report results in detail and the quality of your oral presentation and discussion

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

- Research topic
- Table of Contents
- Cover page & Titles
- List of Figures
- Abbreviations
- Appendices
- References
- Work attachment

Reading List

Compulsory Readings

Title	
1	The CityU library has a research guide arranged by subject department: http://libguides.library.cityu.edu.hk/
2	Scopus http://www.scopus.com/home.url
3	Google Scholar: http://scholar.google.com .

Additional Readings

Title	
1	Nil