BMS3009: CLINICAL LABORATORY / INDUSTRIAL ATTACHMENT

Effective Term
Semester A 2025/26

Part I Course Overview

Course Title
Clinical Laboratory / Industrial Attachment

Subject Code
BMS - Biomedical Sciences
Course Number
3009

Academic Unit
Biomedical Sciences (BMS)

College/School
College of Biomedicine (BD)

Course Duration
Non-standard Duration

Other Course Duration
One Summer Term

Credit Units
9

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
BMS3010 Clinical/Industrial Attachment

Part II Course Details

Abstract

This course aims to enable students to gain practical experience under Clinical Laboratory Attachment, Industrial Attachment or Summer Project.
Part A (Clinical Laboratory Attachment)It provides an environment for students to undertake practical laboratory training in hospitals and medical laboratories. Upon completion, they will understand different practical techniques and processes related to biomedical sciences and at the same time get hands-on experience needed for a laboratory-based career.
Part B (Industrial Attachment)It allows students to gain practical laboratory experience in a real-life organizational context, including the experience of management and lab organization in industrial sectors.
Part C (Summer Project)Students will be assigned with a project and will be working in the departmental laboratories under guidance of expertise.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Apply theory into practice and gain real work experience			x	
2	Perform manual and automated laboratory procedures with accuracy and efficiency		x	x	x
3	Organize, set up, maintain, calibrate, clean, and tests sterility of medical laboratory equipment		x	x	x
4	Analyse the results of tests and experiments to ensure conformity to specifications, using special mechanical and electrical devices		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	Laboratory attachment	Laboratory attachment (under real industrial , Hospitals, NGOs,private labs or departmental labs)	1, 2, 3, 4	
2	Supervisors report	Supervisors will assist and support the students during the attachment period	1, 2, 3, 4	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Employer/ Supervisor Intern Assessment report	1, 2, 3, 4	30	-	Yes
2	Student Written report	3, 4	30	-	Yes
3	Student Oral presentation	1, 2, 3, 4	40	-	Yes

Continuous Assessment (%)

100

Examination (%)

0

Minimum Continuous Assessment Passing Requirement (%)

40

Additional Information for ATs

Minimum Passing Requirement: A minimum of 40% in continuous assessment.

Assessment Rubrics (AR)

Assessment Task

1. Employer/Supervisor report

Criterion

Based on students' performance in carrying out experimental work and data analysis

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. Written report

Criterion

Practical reports are based on specific their knowledge and demonstrate subject-specific skills in carrying out experimental work and data analysis

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
3. Oral presentation

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

- Lab Attachment
- Work /Industrial experience
- Work-relation problems
- Communication
- Successful engagement
- Learning goals

Reading List

Compulsory Readings

	Title
1	Nil

Additional Readings

	Title
1	Nil