

# BMS3010: CLINICAL/INDUSTRIAL ATTACHMENT

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## Effective Term

Semester B 2024/25

## Part I Course Overview

### Course Title

Clinical/Industrial Attachment

### Subject Code

BMS - Biomedical Sciences

### Course Number

3010

### Academic Unit

Biomedical Sciences (BMS)

### College/School

College of Biomedicine (BD)

### Course Duration

One Semester

### Credit Units

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

BMS3009 Clinical Laboratory/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 (e.g. Parameter for GenAI use)
1	Employer/Supervisor report	1, 2, 3, 4	40

2	Written report	3, 4	30	
3	Oral presentation	1, 2, 3, 4	30	

**Continuous Assessment (%)**

100

**Examination (%)**

0

**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

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**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

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## Part III Other Information

**Keyword Syllabus**

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

**Reading List**

**Compulsory Readings**

Title	
1	Nil

**Additional Readings**

Title	
1	Nil