

# BME3200: INTERNSHIP IN BIOMEDICAL ENGINEERING

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## Effective Term

Semester A 2022/23

## Part I Course Overview

### Course Title

Internship in Biomedical Engineering

### Subject Code

BME - Biomedical Engineering

### Course Number

3200

### Academic Unit

Biomedical Engineering (BME)

### College/School

College of Engineering (EG)

### Course Duration

Non-standard Duration

### Other Course Duration

Minimum 8 weeks

### Credit Units

3

### Level

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

### Medium of Instruction

Other Languages

### Other Languages for Medium of Instruction

English and other languages as appropriate to the internship setting

### Medium of Assessment

English

### Prerequisites

Nil

### Precursors

Nil

### Equivalent Courses

Nil

**Exclusive Courses**

Nil

**Additional Information**

Students can only register for one internship-related course for internship(s) at the same working venue.

**Part II Course Details****Abstract**

This course aims to offer internship experience for CityU BME undergraduates:

- 1) to integrate the knowledge acquired in biomedical engineering-related courses they have previously taken,
- 2) to apply such knowledge in the real work setting, and
- 3) to summarize their internship experience. We expect students to appreciate work ethics and professionalism in real work environment, appreciate team work and group/organizational behaviour in a work environment, develop understanding of the operation of the industry chosen by the students, communicate clearly with biomedical concepts with both technical and layman terms, and explore career opportunities related to biomedical engineering. All the interns will be supervised by the internship mentors and CityU BME faculty will provide support if necessary.

**Course Intended Learning Outcomes (CILOs)**

CILOs	Weighting (if DEC-A1 app.)	DEC-A2	DEC-A3
1	Describe the setting of the workplace and the operations of the workplace.	x	
2	Recognize and practise the roles of professionals in the workplace.	x	
3	Apply the knowledge acquired from BME courses in the workplace.		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.

**Teaching and Learning Activities (TLAs)**

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Internship	Carrying out duties with great dignity as an engineering professional	2, 3
2	Logbook	Keeping the training log	1, 2, 3

3	Final Presentation	Giving a presentation that summarizes the learning during the industrial training.	1, 2, 3	20 minutes
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**Assessment Tasks / Activities (ATs)**

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Assessment of Logbook	1, 2, 3	50	
2	Final Presentation	1, 2, 3	50	

**Continuous Assessment (%)**

100

**Examination (%)**

0

**Examination Duration (Hours)**

0

**Assessment Rubrics (AR)****Assessment Task**

1. Logbook

**Criterion**

Ability to record precisely (a) the accomplished tasks and outputs, if any, (b) the student's observations and analysis and, (c) the knowledge/skills acquired by the student during the period.

**Pass (P)**

Have reached the acceptable criterion

**Failure (F)**

Not reaching the criterion

**Assessment Task**

2. Final Presentation

**Criterion**

Ability to well-organize the content materials and communicate with the audience confidently through the presentation in an effective manner, supported with good eye contact, vocal expression, poise, appropriate pace and time management and to answer the questions asked as thoroughly and precisely as one can.

**Pass (P)**

Have reached the acceptable criterion

**Failure (F)**

Not reaching the criterion

## Part III Other Information

### Keyword Syllabus

Nil

### Reading List

#### Compulsory Readings

Title	
1	Nil

#### Additional Readings

Title	
1	Nil