

# FMT503 Managing Buildings for Health and Wellness

**Level:** 5

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JAN

## Synopsis:

This course introduces on the importance of health, comfort and wellbeing of occupants and setting corporate objective and strategy to promote them. Topics includes the discussions on various factors affecting health, comfort and wellbeing of occupants as well as the regulatory requirements. At the end of the course, students will learn various strategies to improve, monitor and assessment of health, comfort and well-being. Case studies will be used to illustrate the various strategies. FMT503 is currently part of The Building and Construction Authority (BCA) Academy's Enhance Green Mark Advanced Accredited Professional [Enhanced GMAAP] curriculum.

## Topics:

- Benefits of a healthy and comfortable workplace
- Setting goals and objectives for health, comfort and wellbeing
- Creating effective strategies for health, comfort and wellbeing
- Guidelines and requirements for health, comfort and wellbeing
- Striking balance between environmental qualities and energy
- Factors contributing to health, comfort and wellbeing of a workplace
- Effect of lighting on environmental quality
- Factors affecting Thermal comfort
- Importance of moisture control and hydrothermal considerations
- Enhancing user experience with technologies and analytics
- Monitoring and Assessment
- Case Studies

## Learning Outcome:

- Evaluate the Indoor Environmental Quality of the Building
- Choose the criteria for acceptable thermal conditions in occupied spaces
- Examine moisture problems and its causes
- Propose corporate goals for healthier workplace
- Organise IAQ Surveillance Audit and ensure the recommended IAQ parameters are met
- Prepare post occupancy evaluation survey to assess occupants' satisfaction
- Propose workplace health promoting policies and activities
- Predict and enhance the user experience by using data analytics

## Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	QUIZ 1	10

Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	20
	GROUP BASED ASSIGNMENT 1	20
Overall Examinable Components	Written Exam	50
<b>Total</b>		<b>100</b>