

## Building Maintenance

### Module Information

2022.01, Approved

#### Summary Information

Module Code	5506ICBTBS
Formal Module Title	Building Maintenance
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	15
Academic level	FHEQ Level 5
Grading Schema	40

#### Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

#### Partner Teaching Institution

Institution Name
International College of Business and Technology

#### Learning Methods

Learning Method Type	Hours
Lecture	45
Tutorial	15

#### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

## Aims and Outcomes

Aims	Aim(s) of the module is to understanding on processes of ensuring the buildings' standard performance level.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Describe the concepts of effective maintenance of plant and equipment and its objectives.
MLO2	2	Describe the key elements in an effective maintenance programme.
MLO3	3	Recognise the benefits of maintenance and maintenance significant items.
MLO4	4	Apply concepts of acquiring best plant and equipment at replacement.

## Module Content

Outline Syllabus	Introduction to Maintenance Management Concepts of effective maintenance of plant and equipment, Objectives of Maintenance, Maintenance Costs, Measurement of Maintenance Efficiency Maintenance Definitions Preventive and Corrective Maintenance, Breakdown Maintenance, Subjective and Objective, Condition Monitoring, Planned and Unplanned Corrective Maintenance Maintenance Procedures Different maintenance procedures, The Maintenance Strategy, How to get Unplanned Repair Jobs Planned Use of condition monitoring, How Preventive Maintenance influences overall economics, Maintenance windows, Maintenance Ineffectiveness Factor Failure Development, Maintenance Procedures Individual Lifetimes, Failure developing times, Failures and their development Total Productive Maintenance Introduction, Implementation of TPM, TPM – philosophy and goals Maintenance Management Systems General maintenance systems, Structure and flow of a maintenance Management System Contents in a Maintenance Management System Preventive Maintenance system, Planning system, Work Order routines, Plant and unit record, Inventory and spare part control system, Purchasing system, Document record system. Inspection Systems in Maintenance Management Role and attributes of an inspection system, Developing and implementing an inspection schedule
Module Overview	
Additional Information	

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Assignment	30	0	MLO2
Exam	Examination	70	2	MLO1, MLO3, MLO4

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Alison Cotgrave	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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