

Liverpool John Moores University

Title: INTRODUCTION TO BUILDING SERVICES
Status: Definitive
Code: **4501ICBTBS** (126979)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: ICBT, Colombo

Team	Leader
Alison Cotgrave	Y

Academic Level: FHEQ4
Credit Value: 15
Total Delivered Hours: 65
Total Learning Hours: 150
Private Study: 85

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	45
Off Site	3
Tutorial	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Investigative Report (1500 words)	40	
Exam	AS2	Written Examination (Closed Book)	60	2

Aims

Aim(s) of the module is to develop knowledge and understanding on basics of Building Services and types.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify & understand essential building services used in various types of building.
- 2 Identify & understand designing principles and space requirements for building services of various types of building.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Investigative Report	1	2
Written Examination	1	2

Outline Syllabus

Components of services: HVAC, Electrical systems and distribution, Lighting System (Internal & External), Mechanical transportation, Access Controlling, Security, Fire safety, Disposal systems (Sanitary & Solid waste), Water supply and plumbing system, Telecommunication, Parking, Storm water drainage.

Building service integration & commissioning.

Design and Legal requirements of internal spatial planning: ventilation, building partitioning, suspended ceilings & raised floors, plant rooms, service core, disable access and washroom facilities.

Learning Activities

Students will be supported in their learning, to achieve the above learning outcomes, in the following ways:

By a series of lectures and tutorials and through participation within practical sessions to collect various information.

Site visits based observations are key features of this module.

A recommended resource list - indicating key reading, virtual and physical learning assistance, is provided to help enable students to undertake self-directed study.

Notes

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