

## Liverpool John Moores University

Title: BUILDING SERVICES INSTALLATIONS DESIGN  
Status: Definitive  
Code: **5613BEFDL** (123967)  
Version Start Date: 01-08-2017  
  
Owning School/Faculty: Built Environment  
Teaching School/Faculty: City of Liverpool College

Team	Leader
Stephen Wynn	Y

**Academic Level:** FHEQ5      **Credit Value:** 10      **Total Delivered Hours:** 30  
**Total Learning Hours:** 100      **Private Study:** 70

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	20
Tutorial	10

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	PROJECT	100	

### Aims

*This module is intended to enable students studying the commercial pathway of the Building Services programme to apply the knowledge to design mechanical and electrical services installations.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Identify and successfully complete appropriate investigative work.
- 2 Propose, test and select feasible solutions to specified tasks and problems across a range of building services related subjects.
- 3 Apply, evaluate and justify appropriate solutions to specified tasks and problems across a range of building services related subjects.

## **Learning Outcomes of Assessments**

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

PROJECT	1	2	3
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## **Outline Syllabus**

*The module serves as a vehicle for the application and development of the commercial pathway students knowledge, skills and understanding developed in other modules of the course. An essential feature of the module is the integration of the various modules within a particular building services vocational pathway.*

*The structure and detail of the project calls for:*

*Needs Analysis: Interpreting and assimilating the project brief, client familiarisation, scope and requirements of the project, aims, objectives and targets, identification of legislative and other constraints.*

*Feasibility: Investigation and analysis of possible solutions.*

*Detailed Proposals: Selection and development of detailed solutions to set tasks.*

*Evaluation: Critical analysis of proposals.*

*Planning and task management: Planning, time management, work allocation, progress review, standards and quality control, record keeping and documentation.*

*Evaluation, Presentation & Review: review and evaluation of final outcomes*

## **Learning Activities**

The module is delivered through a simple project which require the students to produce designs or propose commercial procedures, recommendations, solutions for tasks based on the building services needs of a simple buildings. The specific tasks of the project are selected to reflect the knowledge of the commercial pathway student.

## **Notes**

This module provides the students with an opportunity to demonstrate their learning

from all modules across their programme. The module requires the students to complete a specific building services project that is designed to reflect the particular services specialism of the students; usually mechanical, electrical or building services surveying.