

Liverpool John Moores University

Title: BUILDING SERVICES INTEGRATIVE PROJECT
Status: Definitive
Code: **5502BEFDS** (118445)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	Leader
Derek King	

Academic Level: FHEQ5
Credit Value: 24.00
Total Delivered Hours: 28.00
Total Learning Hours: 240
Private Study: 212

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	8.000
Tutorial	20.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Artefacts	Design	Project content assessed through final project documentation.	80.0	
Report	Report	Planning and project management assessed through individual written and verbal reports, records and documentation.	10.0	
Presentation	Present	Presentation and review, assessed through individual presentation to an assessment panel.	10.0	

Aims

The module aims to provide a framework for subject integration within a major piece of work that reflects the type of performance and level of ability expected of professional Building Services project personnel. It also aims to develop and refine the skills necessary for the development, management and successful completion of a significant project. An important feature of the module is to help develop and refine written, verbal, graphical and presentation skills and to encourage students to reflect on their level of competency and provide and opportunity for development across a wide range of skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Interpret project briefs and assimilate information from a variety of sources in order to define and contextualise the scope and complexity of a project.
- 2 Identify and successfully complete appropriate investigative work.
- 3 Propose, test and select feasible solutions to specified tasks and problems across a range of building services related subjects.
- 4 Apply, evaluate and justify appropriate solutions to specified tasks and problems across a range of building services related subjects.
- 5 Apply the principles and practices of planning, time and task management effectively.
- 6 Communicate concepts, proposals and strategies to technical and non-technical audiences using a variety of media.

Learning Outcomes of Assessments

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

Design project documentation	1	2	3	4
Project management report	5			
Presentation & review	6			

Outline Syllabus

The module serves as a vehicle for the application and development of the 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, presentation of outcomes and final documentations via written, verbal, graphical and multi-media presentations.

Learning Activities

The module is delivered through a large multi-task project which require the students to produce designs or propose commercial procedures, recommendations, solutions for tasks based on the building services needs of a complex buildings. The specific tasks of the project are selected to reflect the particular aspects of building engineering services the student specialises in.

References

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.