Liverpool John Moores University

Title:	COLLABORATIVE GROUP PROJECTS
Status:	Definitive
Code:	**4604BEFDL** (123903)
Version Start Date:	01-08-2016
Owning School/Faculty:	Built Environment
Teaching School/Faculty:	City of Liverpool College

Team	Leader
Alfred Leung	Y

Academic Level:	FHEQ4	**Credit Value:**	20	**Total Delivered Hours:**	50
Total Learning Hours:	200	**Private Study:**	150		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	10
Tutorial	20
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	This portfolio completed collaboratively in teams, documents the strategies and procedures by which the project was managed and with individual responsibilities documents the developmental stages of the project from appraisal through concept design to to detailed development	90	
Presentation	AS2	This presentation requires the students to communicate and justify their project solutions and complete an analysis of the	10	

Category	Short Description	Description	Weighting (%)	Exam Duration
		resultant professional development.		

Aims

To enable the student to work both collaboratively and individually on realistic projects that facilitate the development and integration of a range technical and professional skills within the context of building services and architectural engineering.

Learning Outcomes

After completing the module the student should be able to:

1 Work as part of a team to critically evaluate the requirements, risks, and implications of a client's brief for a building services engineering project.
2 Apply building services engineering technology and management procedures to produce, and evaluate, conceptual designs for building services projects and to progress these to detailed solutions.
3 Produce documentation to demonstrate how the project was organised and managed professionally and effectively within the team.
4 Present project solutions to an expert panel and critically evaluate the skills and competences demonstrated in the completion of the project against the relevant competence criteria of appropriate professional institutions.

Learning Outcomes of Assessments

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

TEAM PROJECT DEVELOPMENT	1	2	3
PRESENTATION	4		

Outline Syllabus

The philosophy of engineering design and the wider issues relating to the economic, financial, political, social and environmental aspects of design.
Interpreting and assimilating the project brief, client familiarisation, scope and requirements of the project, identification of legislative, health & safety and other constraints.
Development and review of designs through to concept stage.
Use of software as analytical, design and management tools. Selection and development of detailed solutions to set tasks, review, critical analysis and presentation of design solutions.
Techniques for project management, planning, time management, work allocation, progress review, standards and quality control, record keeping and documentation.

Personal professional development review. Development Planning.

Learning Activities

Lectures, tutorials, seminars, and design studio sessions during which students will work in teams towards a project brief with a member of staff, who will act as client.

Notes

This module brings together the students' learning throughout their study and further develops the project work undertaken at levels 4 and 5. The module requires the students to demonstrate professional standards both in the production of solutions to building services engineering projects and in the management of the process by which the solutions are developed in a team situation. Additionally, students will reflect on their professional development against the competence standards published by appropriate professional institutions.