Liverpool John Moores University

Title:	CONSTRUCTION TECHNOLOGY AND SERVICES 1
Status:	Definitive
Code:	**4000BEUG** (102723)
Version Start Date:	01-08-2011
Owning School/Faculty:	Built Environment
Teaching School/Faculty:	Built Environment

Team	Leader
John Gammon	Y

Academic Level:	FHEQ4	**Credit Value:**	24.00	**Total Delivered Hours:**	51.00
Total Learning Hours:	240	**Private Study:**	189		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Closed Book	50.0	3.00
Artefacts	AS2	Construction Drawings	30.0	
Report	AS3	Project Task	20.0	

Aims

To introduce the student to construction techniques associated with the production of low rise domestic dwellings including building services.
To develop an understanding of the performance of buildings in use and the influence of materials and workmanship sepcifications on performance.

Learning Outcomes

After completing the module the student should be able to:

1 Produce construction drawings that are clear and comply with the appropriate Regulations and Standards.
2 Examine the issues of site selection and their influence on the feasibility of the project.
3 Identify methods of construction typically applied in the formation of substructure and superstructure of low rise domestic houses.
4 Outine the component parts of basic domestic services and their interaction with the core construction components.
5 Analyse new technologies and materials in relation to Regulations and the domestic structure.

Learning Outcomes of Assessments

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

EXAM	2	3	4	5
ARTIFACT	1	3		
REPORT	3	4	5	

Outline Syllabus

Preliminary work associated with site selection and preparation.
Substructure - design and production issues, soil, foundations.
Superstructure - external envelope and openings, floors, internal walls, domestic services and installation.

These elements will be considered with regards to function, performance, durability and aesthetics.

Learning Activities

Lectures and tutorial workshops, supported where possible with site visits and videos.
Students should supplement their lecture notes with background reading; journals, digests, trade literature and also use the material that is available through electronic databases and manufacturers.

References

Course Material	Book
Author	Riley, M. & Cotgrave, A.
Publishing Year	2008
Title	Construction Technology 1: House Construction

Subtitle	
Edition	2nd Edition
Publisher	Palgrave Macmillan
ISBN	0230203620

Notes

This module concerns the construction principles and processes associated with low rise residential buildings.