

Liverpool John Moores University

Title: BUILDING TECHNOLOGY
Status: Definitive
Code: **7015BEPG** (102536)
Version Start Date: 01-08-2012

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

Team	Leader
John Gammon	Y
Paul Kenny	
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Academic Level: FHEQ7 **Credit Value:** 20.00 **Total Delivered Hours:** 48.00
Total Learning Hours: 200 **Private Study:** 152

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
Report	AS1	Domestic Construction	40.0	
Report	AS2	Commercial Construction	60.0	

Aims

To provide a detailed knowledge of the principles and techniques used in the construction of buildings.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe and detail the construction of the primary and secondary elements and services to domestic buildings.
- 2 Evaluate, appraise and select a range of appropriate materials, methods and techniques in a range of situations for the construction of commercial and industrial buildings.
- 3 Evaluate, explain and detail the construction of the primary and secondary elements and building services to both industrial and commercial buildings.

Learning Outcomes of Assessments

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

domestic construction	1	
commercial construction	2	3

Outline Syllabus

The construction of foundations, external walls, internal walls, single storey frames, multi-storey frames, ground floors, upper floors, flat roofs, pitched roofs, cladding, suspended ceilings, access floors, stairs, internal finishes, windows, doors. The principles and operation of drainage, sanitation, electricity supply and distribution, heating ventilating and air conditioning, water supply, lifts, PV panels, solar panels, ground source heat pumps. Application of the Building Regulations Approved Documents. Sustainable construction principles & techniques. Modern methods of construction. Health and safety implications during construction. Site investigations. Specifications.

Learning Activities

Lectures

References

Course Material	Book
Author	Emmitt, S. & Gorse, C.
Publishing Year	2006
Title	Barry's Introduction to the Construction of Buildings
Subtitle	
Edition	1st Edition
Publisher	Blackwell
ISBN	1405110554

Course Material	Book
Author	Emmitt, S. & Gorse, C.
Publishing Year	2006

Title	Barry's Advanced Construction of Buildings
Subtitle	
Edition	1st Edition
Publisher	Blackwell
ISBN	1405110546

Course Material	Book
Author	Riley, M. & Cotgrave, A.
Publishing Year	2008
Title	Construction Technology 1: House Construction
Subtitle	
Edition	2nd Edition
Publisher	Palgrave
ISBN	978023023624

Course Material	Book
Author	Riley, M. & Cotgrave, A.
Publishing Year	2009
Title	Construction Technology 2: Industrial and Commercial Building
Subtitle	
Edition	2nd Edition
Publisher	Palgrave
ISBN	9780230575714

Notes

This module requires the use of the construction information service, trade literature, the construction of houses web pages from UWE.