

Liverpool John Moores University

Title: CONSTRUCTION TECHNOLOGY 1
Status: Definitive
Code: **4613BECC** (128150)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Coleg Cambria

Team	Leader
Tom Hogarth	Y

Academic Level: FHEQ4 **Credit Value:** 20 **Total Delivered Hours:** 56
Total Learning Hours: 200 **Private Study:** 144

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	27
Tutorial	10
Workshop	19

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Report (3000 words)	70	
Portfolio	AS2	Portfolio based on practical tasks (1500 words)	30	

Aims

This module will enable learners to gain an understanding of the techniques and skills needed for the construction of domestic housing developments.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe, detail and compare a range of processes and techniques involved in the site investigation and construction of the substructure work of low rise buildings.
- 2 Describe and compare a range of construction methods in relation to the primary elements of the superstructure of low rise buildings.
- 3 Specify and compare a range of processes and techniques involved in the construction of the secondary elements and finishes of low rise buildings.
- 4 Demonstrate the ability to undertake practical tasks.

Learning Outcomes of Assessments

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

Report	1	2	3
Portfolio	4		

Outline Syllabus

- Construction terminology
- Desk-top studies
- Site investigation
- Substructure considerations:
 - Domestic Foundations
 - Foundation details
 - External walls
 - Internal partition walls
- Roofs
- Floors
- Stairs
- External facade
- Superstructure detailing
- Internal finishes
- First, fix elements
- Second fix elements
- Practical activities

Learning Activities

This module will utilise blended learning which will combine e-learning with more traditional teaching strategies. In addition, students will be encouraged to monitor their own learning on this module. Workshops and online learning materials will be used to provide an overview of each topic. The lectures will be delivered by the module team and on occasion, guest speakers from different relevant professional backgrounds with particular expertise in aspects of the curriculum. Workshops will be used as space for students to explore and discuss issues in small groups and for tutors to identify individual learning needs of

students.

Notes

This module will enable learners to gain an understanding of the techniques used for site investigation on housing developments including foundations through to the roof construction and give students an awareness of the skills needed to construct a domestic development