D39TA Construction Technology 3

COURSE DETAILS
Course Code: D39TA
Full Course Title: Construction Technology 3
SCQF Level: 9
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL
Undergraduate: Yes
Postgraduate Taught: Yes
Postgraduate Research: Yes
Additional Information:

COURSE AIMS

The overall aim of this course is to provide students with a basic understanding of construction methods in buildings. The course addresses different concepts in modern buildings construction, namely: on-site and off-site construction, and low carbon construction.

LEARNING OUTCOMES – SUBJECT MASTERY

i. Understand a range of construction technologies available in buildings

ii. Communicate effectively with construction professionals in relation to construction methods and project constraints.

Identify the implications for adopting offsite construction and low carbon technologies.

LEARNING OUTCOMES – PERSONAL ABILITIES

- Comprehending the construction methods of buildings by reference to case studies
- Investigating and analysing product information, where appropriate
- Reflecting on learning achieved and review of knowledge

SYLLABUS

1) On-site construction
1. Foundations
2. Basement construction
3. Masonry and framed structures
4. Cladding and roofing

2) Off-site construction

1. An overview of off-site construction
2. Practical issues and case studies
3. Factory production

3) Low carbon construction

1. An overview of low carbon construction
2. Low carbon technologies

COURSE RELATIONSHIPS
N/A

LOCATION AND ASSESSMENT METHODS

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