

# Construction Design for Complex Buildings

## Module Information

2022.01, Approved

### Summary Information

Module Code	5547NCCG
Formal Module Title	Construction Design for Complex Buildings
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

### Partner Teaching Institution

Institution Name
Nelson and Colne College Group

### Learning Methods

Learning Method Type	Hours
Lecture	48

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

SEP_NS-PAR	PAR	September (Non-standard start date)	12 Weeks
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## Aims and Outcomes

Aims	This module considers building with complex requirements including consideration of Health and Safety, efficiency, sustainability and quality. Students will identify techniques used for the safe and sustainable demolition of buildings. By considering modern construction methods and technology, students will identify the most appropriate materials and construction methods. On successful completion of the module students will be able to select appropriate materials and construction methods as well as facilitate alternative uses of buildings.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Analyse strategies, processes and construction technology of complex buildings
MLO2	2	Evaluate materials, technology and processes for complex buildings, factoring in time, cost and quality
MLO3	3	Discuss the flexibility of conditioned spaces
MLO4	4	Propose solutions that meet the requirements of safe demolition and disposal of materials

## Module Content

Outline Syllabus	Types of construction Preliminary works in construction Materials, technology and processes for construction of complex buildings Substructures, superstructures, building services systems for complex buildings Safe demolition Disposal of materials Health and safety in construction of complex buildings Construction information such as schedules, drawing and specifications Regulatory requirements
Module Overview	
Additional Information	

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Case Study Analysis	50	0	MLO1, MLO2
Report	Assignment	50	0	MLO3, MLO4
Competency	NCC Group Pass/Fail			MLO2

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
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Fiona Borthwick	Yes	N/A
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**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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