

Programme Specification

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[UG Programme Directory](#)

[PG Programme Directory](#)

Section 1 – regulatory details					
1.1	Awarding body	Wrexham University			
1.2	Teaching institution	Wrexham University			
1.3	Final award and programme title (Welsh and English)	BSc (Anrh) Arolwg Adeiladu BSc (Anrh) Arolwg Adeiladu (gyda Blwyddyn Sylfaen) BSc (Hons) Building Surveying BSc (Hons) Building Surveying with Foundation Year			
1.4	Exit awards and titles	BSc (Ord) Building Surveying Diploma of Higher Education in Building Surveying Certificate of Higher Education in Building Surveying			
1.5	Credit requirements	BSc (Hons): 360 credits in total including a minimum of 120 credits at level 6 BSc (Ord): 300 credits in total including a minimum of 60 credits at level 6 Dip HE: 240 credits in total including a minimum of 120 credits at level 5 Cert HE: a minimum of 120 credits at level 4			
1.6	Intake points	September			
1.7	Mode of study	Full & part time			
1.8	Length of delivery	BSc (Hons) Building Surveying 3 years full time 5 years part time 4 years part time (HNC + 3) BSc (Hons) Building Surveying with Foundation Year 4 years full time			
1.9	Location of delivery	Wrexham University, Plas Coch Campus			
1.10	Mode of delivery	Full time	In person		
		Part time	In person		
1.11	Language of delivery	English			
1.12	Faculty	Faculty of Arts, Computing and Engineering (FACE)			
1.13	Subject area	Built Environment			
1.14	HECoS Code	100216			
1.15	Suitable for applicants requiring a Student Visa?	Full time	In person	Yes	
		Part time	In person	No	
1.16	Is DBS check required on entry?	No			
1.17	Professional, Statutory or Regulatory Body (PSRB) accreditation	Accredited by the Chartered Institute of Building [CIOB], though this expires with the September 2023 intake.			

Section 1 – regulatory details				
		Successful completion of an accredited BSc (Hons) Building Surveying programme will provide a route to full membership of the CIOB (MCIOB).		
1.18	Welsh Medium Provision	The programmes will be delivered through the medium of English. Students are entitled to submit assessments in the medium of Welsh.		
1.19	External reference points	QAA Subject Benchmark Statement: Architectural Technology, March 2022 QAA Subject Benchmark Statement: Land, Construction, Real Estate and Surveying, October 2019 (under review) QAA Guidance on Education for Sustainable Development		
1.20	Derogation to Academic Regulations	Academic Regulations Ref	Section	Derogation Summary
		UG-D3	Assessment and award of credit	Modules with a minimum of 40% pass requirement on each assessment element: AUR599 Building Surveying 2 AUR6A3 Major Project (WBL DA)
		E10.4, UG-E5.1	Compensation	Compensation will be applied for up to a maximum of 30 credits across all levels of the programme. Major individual and group based project modules must not be compensated.
1.21	Foundation Year route	Yes		
1.22	Placement / Work based learning	Compulsory work placement		
1.23	Length and level of the placement	A minimum of 36 hrs at level 5		
1.24	Collaborative arrangement	N/A		

Section 2 – programme details

2.1 Aims of the programme

The programme is intended to provide a qualification that is recognised within the construction and civil engineering sector and its associated professions as a comprehensive, informed and valuable qualification to have achieved in the contexts of those disciplines described by the titles identified.

For the Wrexham University student, all programmes are intended to provide a challenging, rewarding and valuable experience in the development of knowledge, skills and behaviours in the context of those disciplines identified, as they relate to the processes and technologies that exist within the contemporary construction and civil engineering sector.

2.2 Programme structure and diagram, including delivery schedule

A Higher National Certificate in Construction Technology is included as a one-year qualification for part-time students who do not qualify for degree apprenticeship funding or might otherwise be ineligible for such a scheme.

Full time delivery					
Level	Module Code	Module Title	Credit Value	Core/Option	Semester of delivery
Level 4	AUR496	Digital Technologies in Drawing and Modelling	10	Core	Sem 1
Level 4	AUR4A4	Digital Technologies in Surveying	20	Core	Sem 2
Level 4	AUR497	Legal Principles, Compliance and Liability	20	Core	Sem 1
Level 4	AUR499	Science and Materials	20	Core	Sem 1
Level 4	AUR4A1	Construction Technology	20	Core	Sem 2
Level 4	AUR492	Building Surveying 1	10	Core	Sem 1
Level 4	AUR491	Architectural Design Technology 1	10	Option	Sem 1
Level 4	AUR493	Construction Management 1	10	Option	Sem 1
Level 4	AUR494	Quantity Surveying 1	10	Option	Sem 1
Level 4	AUR495	Civil Engineering Design	10	Option	Sem 2
Level 4	AUR4A5	Professional Practice 1	10	Core	Sem 1
Level 5	AUR599	Building Surveying 2	20	Core	Sem 1
Level 5	AUR5A5	Building Services	20	Core	Sem 1
Level 5	AUR5A4	Commercial Management	20	Core	Sem 1& 2
Level 5	AUR5B3	Procurement and Contract Practice	20	Core	Sem 2
Level 5	AUR5A3	Modern Methods of Construction	20	Core	Sem 1& 2
Level 5	AUR5B2	Professional Practice 2	20	Core	Sem 2
Level 6	AUR697	Project Management	20	Core	Sem 1
Level 6	AUR6A2	Design for Climate Resilience	20	Core	Sem 1
Level 6	AUR698	Individual Research Project	20	Core	Sem 1
Level 6	AUR6A4	Professional Practice 3	20	Core	Sem 2
Level 6	AUR6A3	Major Project	40	Core	Sem 1&2

Part time delivery (5 year option)						
Level	Module Code	Module Title	Credit Value	Core/Option	Semester of delivery	Year of Study
Level 4	AUR496	Digital Technologies in Drawing and Modelling	10	Core	Sem 1	Y1
Level 4	AUR499	Science and Materials	20	Core	Sem 1	Y1
Level 4	AUR492	Building Surveying 1	10	Core	Sem 1	Y2
Level 4	AUR491	Architectural Design Technology 1	10	Option	Sem 1	Y2
Level 4	AUR493	Construction Management 1	10	Option	Sem 1	Y2
Level 4	AUR494	Quantity Surveying 1	10	Option	Sem 1	Y2
Level 4	AUR495	Civil Engineering Design	10	Option	Sem 2	Y2
Level 4	AUR4A5	Professional Practice 1	10	Core	Sem 1	Y2
Level 4	AUR497	Legal Principles, Compliance and Liability	20	Core	Sem 1	Y1
Level 4	AUR4A1	Construction Technology	20	Core	Sem 2	Y1
Level 4	AUR4A4	Digital Technologies in Surveying	20	Core	Sem 2	Y2
Level 5	AUR599	Building Surveying 2	20	Core	Sem 1	Y3
Level 5	AUR5A4	Commercial Management	20	Core	Sem 1 & 2	Y3
Level 5	AUR5B2	Professional Practice 2	20	Core	Sem 2	Y3
Level 5	AUR5A3	Modern Methods of Construction	20	Core	Sem 1 & 2	Y3
Level 5	AUR5A5	Building Services	20	Core	Sem 1	Y4

Part time delivery (5 year option)						
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery	Year of Study
Level 5	AUR5B3	Procurement and Contract Practice	20	Core	Sem 2	Y4
Level 6	AUR6A2	Design for Climate Resilience	20	Core	Sem 1	Y4
Level 6	AUR697	Project Management	20	Core	Sem 1	Y4
Level 6	AUR698	Individual Research Project	20	Core	Sem 1	Y5
Level 6	AUR6A4	Professional Practice 3	20	Core	Sem 2	Y5
Level 6	AUR6A3	Major Project	40	Core	Sem 1 & 2	Y5

Part time delivery (4 year option – [HNC+3])						
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery	Year of Study
Level 4	AURH496	Digital Technologies in Drawing and Modelling	10	Core	Sem 1	Y1
Level 4	AURH499	Science and Materials	20	Core	Sem 1	Y1
Level 4	AURH491	Architectural Design Technology 1	10	Option	Sem 2	Y1
Level 4	AURH492	Building Surveying 1	10	Option	Sem 2	Y1
Level 4	AURH493	Construction Management 1	10	Option	Sem 1	Y1
Level 4	AURH494	Quantity Surveying 1	10	Option	Sem 1	Y1
Level 4	AURH495	Civil Engineering Design	10	Option	Sem 2	Y1
Level 4	AURH4A5	Professional Practice 1	10	Core	Sem 1	Y1
Level 4	AURH497	Legal Principles, Compliance and Liability	20	Core	Sem 1	Y1
Level 4	AURH4A1	Construction Technology	20	Core	Sem 2	Y1
Level 4	AURH4A4	Digital Technologies in Surveying	20	Core	Sem 2	Y1
Level 5	AUR599	Building Surveying 2	20	Core	Sem 1	Y2
Level 5	AUR5A4	Commercial Management	20	Core	Sem 1 & 2	Y2
Level 5	AUR5B2	Professional Practice 2	20	Core	Sem 2	Y2
Level 5	AUR5A3	Modern Methods of Construction	20	Core	Sem 1 & 2	Y2
Level 5	AUR5A5	Building Services	20	Core	Sem 1	Y3
Level 5	AUR5B3	Procurement and Contract Practice	20	Core	Sem 2	Y3
Level 6	AUR6A2	Design for Climate Resilience	20	Core	Sem 1	Y3
Level 6	AUR697	Project Management	20	Core	Sem 1	Y3
Level 6	AUR698	Individual Research Project	20	Core	Sem 1	Y4
Level 6	AUR6A4	Professional Practice 3	20	Core	Sem 2	Y4
Level 6	AUR6A3	Major Project	40	Core	Sem 1 & 2	Y4

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
1	Understand the management of construction processes as they relate to the project from inception to recycling.	☒	☐	☐	☐	☒	☐	☐	☐	
2	Understanding corporate organisations, industry, clients and society.	☒	☐	☐	☐	☒	☐	☐	☐	
3	Understand the role and responsibilities of people involved in the construction process.	☒	☐	☐	☐	☒	☐	☐	☐	
4	Appreciate the importance of understanding the person.	☒	☐	☐	☐	☒	☐	☐	☐	
5	Understand how the construction process impacts on individual welfare, wellbeing and inclusion.	☒	☐	☐	☐	☒	☐	☐	☐	
6	Understand the importance of time, cost and resource management to complete projects effectively.	☒	☐	☐	☐	☒	☐	☐	☐	
7	Be aware of external benchmarks such as CIOB Good Practice in Management of Time in Complex Projects and Codes of Practice.	☒	☐	☐	☐	☒	☐	☐	☐	
8	Define performance management for process improvement, including definition and use of Key Performance Indicators (KPIs).	☒	☐	☐	☐	☒	☐	☐	☐	
9	Appreciate the role of the Construction Manager (e.g. Bale, 2010) in an international context, including: • management, development, conservation and improvement of the built environment. • role of the professional manager in construction.	☒	☐	☐	☐	☒	☐	☐	☐	
10	Demonstrate an understanding of professional Codes of Conduct and ethics, including CIOB's Rules and Regulations of Professional Competence and Conduct.	☒	☐	☐	☐	☒	☐	☐	☐	
11	Understand the CIC Essential Principles for achieving an accessible and inclusive environment.	☒	☐	☐	☐	☒	☐	☐	☐	

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No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
12	Recognise the need for online security of personal and project-specific information.	☒	☐	☐	☐	☒	☐	☐	☐	
13	Awareness of the intellectual property rights associated with built assets.	☒	☐	☐	☐	☒	☐	☐	☐	
14	Demonstrate an awareness of the meaning and relevance of the nine 'Protected characteristics' defined in the Equality Act 2010. These include age, disability, gender reassignment marriage and civil partnership, pregnancy and maternity, race, religion and belief, sex and sexual orientation.	☒	☐	☐	☐	☒	☐	☐	☐	
15	Describe the principles of fair trade and fair economy.	☒	☐	☐	☐	☒	☐	☐	☐	
16	Describe the principles of fair trade and fair economy.	☒	☐	☐	☐	☒	☐	☐	☐	
17	Identify responsibilities in relation to Governance and Corporate Social Responsibility within public and private bodies and to individuals, including modern slavery such as CIOB's Modern Slavery Toolkit: http://stronger2gether.org/construction/	☒	☐	☐	☐	☒	☐	☐	☐	
18	Identify personal strengths, understanding of self and areas for development.	☒	☐	☐	☐	☒	☐	☐	☐	
19	Understand the legal environment and terminology of health and safety as it applies to the design and management of construction projects.	☒	☐	☐	☐	☒	☐	☐	☐	
20	Understand the importance and management of construction health, safety and wellbeing.	☒	☐	☐	☐	☒	☐	☐	☐	
21	Understand the importance of and provide an overview of the duties of all persons involved in construction projects with regard to health, safety and wellbeing.	☒	☐	☐	☐	☒	☐	☐	☐	
22	Demonstrate an understanding of the various health and safety management tools and techniques, and recent	☒	☐	☐	☐	☒	☐	☐	☐	

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No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	developments in health, safety and wellbeing management and training.									
23	Understand the issues associated with the management of wellbeing and safety culture in construction.	☒	☐	☐	☐	☒	☐	☐	☐	
24	Demonstrate an understanding of: • social sustainability and quality of life • economic sustainability • environmental sustainability For example – Brundtl and Report, environmental impact, low and zero carbon, energy generation.	☒	☐	☐	☐	☒	☐	☐	☐	
25	In relation to sustainable development demonstrate an understanding of: • issues • terminology • policy • legislation • design	☒	☐	☐	☐	☒	☐	☐	☐	
26	Recognise the impact on a building's carbon emissions of providing a comfortable and healthy internal environment through the provision of: • heating and cooling • air tightness and quality • lighting quality	☒	☐	☐	☐	☒	☐	☐	☐	
27	Understand key principles of environmental impact and energy/carbon assessment methodologies.	☒	☐	☐	☐	☒	☐	☐	☐	
28	Demonstrate an understanding of the sources of waste in the built environment including: • material waste and re-cycling • labour resourcing.	☒	☐	☐	☐	☒	☐	☐	☐	

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No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
29	Identify and explain how construction sites and operations impact on the environment.	☒	☐	☐	☐	☒	☐	☐	☐	
30	Evaluate the importance of sustainability with regards to Clients' Corporate Social Responsibility, vision, image and Key Performance Indicators.	☒	☐	☐	☐	☒	☒	☒	☒	
31	In relation to the national and international construction industry, understand and appreciate its: • historical development • scale, structure and output • future opportunities	☒	☐	☐	☐	☒	☐	☐	☐	
32	Describe the role of the construction industry in the economic and social wellbeing of a country and the provision of an inclusive society.	☒	☐	☐	☐	☒	☐	☐	☐	
33	Understand and describe the principles of: • the legal system related to construction activity • the law of contract and tort • statutory control of construction activity including planning regulations • insurance	☒	☐	☐	☐	☒	☐	☐	☐	
34	Understand and describe the principles of: • macro and micro economics • supply and demand • market structure and operation	☒	☐	☐	☐	☒	☐	☐	☐	
35	Understand and describe the principles of: • finance for construction organisation and activities • cash flow	☒	☐	☐	☐	☒	☐	☐	☐	
36	In relation to the development process, understand and appreciate: • stages in the process • role of construction professionals within the process	☒	☐	☐	☐	☒	☐	☐	☐	

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No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	• responsibility for ensuring designs are inclusive use of digital technologies and information management									
37	Undertake the measurement of land and construction work both on plan, through the use of digital information modelling or onsite.	☒	☐	☐	☐	☒	☐	☐	☐	
38	Understand the principles of price and cost estimation for construction activities.	☒	☐	☐	☐	☒	☐	☐	☐	
39	Describe and illustrate the functional and performance requirements of simple buildings.	☒	☐	☐	☐	☒	☐	☐	☐	
40	Understand, describe, select and illustrate alternative options available for the construction of primary and secondary building elements of simple buildings and the necessary site set-up.	☒	☐	☐	☐	☒	☐	☐	☐	
41	Understand and appreciate the function and design of building services for a simple building to ensure human comfort.	☒	☐	☐	☐	☒	☐	☐	☐	
42	Demonstrate a knowledge of common defects and refurbishment technologies to restore a building for contemporary use.	☒	☐	☐	☐	☒	☐	☐	☐	
43	Understand site investigation techniques. Awareness of issues surrounding contaminated land and brownfield sites.	☒	☐	☐	☐	☐	☐	☐	☐	
44	Explain the basic principles of land surveying.	☒	☐	☐	☐	☒	☐	☐	☐	
45	Describe the properties of building materials and understand their performance characteristics with regard to the natural environment and their impact upon it, including hazardous materials.	☒	☐	☐	☐	☒	☐	☐	☐	
46	Demonstrate knowledge of performance maintenance technology and maintenance management, e.g. BMS.	☒	☐	☐	☐	☒	☐	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
47	Apply knowledge of the construction, maintenance and adaptation process to the management of projects and the selection of procurement methodology.	☒	☐	☐	☐	☐	☒	☐	☐	
48	Explain how human resource/people management methods affect the construction process. For example: • Employee Relations Frameworks • recruitment and selection of personnel • time management • Considerate Constructors • people, motivation and behaviour • performance management and appraisal • teams and integrated teams • leadership and leadership styles • inclusion and equality • training and development	☒	☐	☐	☐	☐	☒	☐	☐	
49	Apply person understanding to the development of a variety of processes, including: • stress management • negotiation • individual and team conflict resolution	☒	☐	☐	☐	☐	☒	☐	☐	
50	Demonstrate the ability to use a range of digital planning tools, to apply them to construction processes including: • project planning • critical path analysis • resource levelling	☒	☐	☐	☐	☐	☒	☐	☐	
51	Apply Key Performance Indicators (KPIs) to a construction project.	☒	☐	☐	☐	☐	☒	☐	☐	
52	Discuss the issues relating to the application of ethical behaviour and Codes of Conduct.	☒	☐	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
53	Apply CIC Essential Principles for achieving an accessible and inclusive environment.	☒	☐	☐	☐	☐	☒	☐	☐	
54	Understand the methods used to provide online security of personal and project specific information.	☒	☐	☐	☐	☐	☒	☐	☐	
55	Understand the application of intellectual property rights to a built asset.	☒	☐	☐	☐	☐	☒	☐	☐	
56	Give examples and prepare plans for the application of ethical and inclusive practice in the built environment workplace, demonstrating consideration of people as clients, customers and consumers of built environment 'products' and services.	☒	☐	☐	☐	☐	☒	☐	☐	
57	Apply professional standards of reporting and accountancy.	☒	☐	☐	☐	☐	☒	☐	☐	
58	Demonstrate understanding of the need for honesty and accuracy in reporting.	☒	☐	☐	☐	☐	☒	☐	☐	
59	Apply ethical frameworks as an aid to decision making.	☒	☐	☐	☐	☐	☒	☐	☐	
60	Prepare a self-development plan with provision for review and reflection.	☒	☐	☐	☐	☐	☒	☐	☐	
61	Prepare a risk assessment.	☒	☐	☐	☐	☐	☒	☐	☐	
62	Understand the roles of the main parties in the CDM Regulations, with particular emphasis on the Principal Contractor.	☒	☐	☐	☐	☐	☒	☐	☐	
63	Appraise a range of case studies and statistical data regarding accidents and review impact as well as causes and effects.	☒	☐	☐	☐	☐	☒	☐	☐	
64	In the context of design and construction, identify and manage both potential and actual health, safety and wellbeing hazards and risks.	☒	☐	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
65	Identify the barriers associated with establishing and maintaining an organisation's health, safety and wellbeing culture and practices.	☒	☐	☐	☐	☐	☒	☐	☐	
66	Explain the scale of the Built Environment's impact on the environment.	☒	☐	☐	☐	☐	☒	☐	☐	
67	Describe the key legislative drivers which seek to minimise the impact of construction industry activity and the built environment.	☒	☐	☐	☐	☐	☒	☐	☐	
68	Explain key principles of 'low energy', 'passive' design and 'healthy' buildings.	☒	☐	☐	☐	☐	☒	☐	☐	
69	Apply appropriate environmental impact and/or carbon/energy assessment techniques.	☒	☐	☐	☐	☐	☒	☐	☐	
70	Develop and apply policies to establish responsible sourcing and eliminate waste within the lifecycle of a construction project.	☒	☐	☐	☐	☐	☒	☐	☐	
71	Identify and apply appropriate methods to mitigate negative sustainability impacts during the construction process.	☒	☐	☐	☐	☐	☒	☒	☒	
72	Identify the appropriate stakeholders involved in the construction process and their relevant roles and responsibilities.	☒	☐	☐	☐	☐	☒	☐	☐	
73	Recognise the collaborative linkages and interdisciplinary relationships between the functions of construction and the other disciplines of the built environment	☒	☐	☐	☐	☐	☒	☐	☐	
74	Understand and appreciate the social, inclusive and political issues which impact on planning, design and development of the built environment.	☒	☐	☐	☐	☐	☒	☐	☐	
75	Describe and characterise the legal obligations and procedures in relation to the design, construction and operation stages associated with:	☒	☐	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	• contracts and their administration • planning • employment • environment • design									
76	Compare, appraise and select different procurement processes for construction activity.	☒	☐	☐	☐	☐	☒	☐	☐	
77	Understand and appreciate the global market for construction from a commercial perspective.	☒	☐	☐	☐	☐	☒	☐	☐	
78	Apply financial information as it relates to the management of construction projects: • cash flow, cost and finance from inception to demolition • tender evaluation • value management /engineering • whole life costing • decision making	☒	☐	☐	☐	☐	☒	☐	☐	
79	Compare, appraise and select different construction materials, products and processes from both an initial cost and whole life cost perspective.	☒	☐	☐	☐	☐	☒	☐	☐	
80	Compare and appraise the use of digital technologies and information management.	☒	☐	☐	☐	☐	☒	☐	☐	
81	Produce examples of price and cost estimation for construction activities from feasibility through to final accounts.	☒	☐	☐	☐	☐	☒	☐	☐	
82	Produce detailed measurement using a range of standard methods of measurement.	☒	☐	☐	☐	☐	☒	☐	☐	
83	Describe and illustrate the functional and performance requirements of framed and complex buildings.	☒	☐	☐	☐	☐	☒	☐	☐	
84	Understand, describe, select and illustrate alternative options available for the onsite or offsite construction of	☒	☐	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	primary and secondary building elements of framed and complex buildings including those with basements.									
85	Undertake design option appraisal to ensure adherence to current building legislation including the conservation of energy, carbon emissions, inclusion, accessibility, security and structural performance control.	☒	☐	☐	☐	☐	☒	☐	☐	
86	Recognise and appreciate the function and design of complex building services including those where the whole building operates as a building services system.	☒	☐	☐	☐	☐	☒	☐	☐	
87	Discuss the refurbishment and adaptation options applicable to the upgrading of or changing the use of a building.	☒	☐	☐	☐	☐	☒	☐	☐	
88	Apply principles of site investigation to assess the suitability of sites for construction projects.	☒	☐	☐	☐	☐	☒	☐	☐	
89	Demonstrate competence in geomatics.	☒	☐	☐	☐	☐	☒	☐	☐	
90	Analyse the performance of materials in use, based upon their scientific properties and the environment and conditions in which they are used.	☒	☐	☐	☐	☐	☒	☐	☐	
91	Apply and evaluate various maintenance technologies and maintenance management systems as appropriate to various building types, for example; domestic, commercial, industrial, public.	☒	☐	☐	☐	☐	☒	☒	☒	
92	Analyse and solve problems relating to the construction process.	☒	☐	☐	☐	☐	☐	☒	☒	
93	Evaluate Organisational HRM policies to ensure fair treatment of all personnel.	☒	☐	☐	☐	☐	☐	☒	☒	
94	Evaluate different leadership styles at: • Project level • Organisational level	☒	☐	☐	☐	☐	☐	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	• National level									
95	Review HRM approaches to ensure effective harmonious working environments.	☒	☐	☐	☐	☐	☐	☒	☒	
96	Evaluate the application of individual person understanding to change management in construction organisations.	☒	☐	☐	☐	☐	☐	☒	☒	
97	Evaluate and apply different project management techniques to complex projects: • progress and completion • management and decision processes • Project Evaluation and Review Technique (PERT) • risk analysis • Building Information Modelling (BIM)	☒	☐	☐	☐	☐	☐	☒	☒	
98	Evaluate and apply different performance management techniques to complex projects. For example: • procurement and contract performance • process improvement • incentivisation • best practices and feedback and reflection • business and market development, product development and research/ innovation management	☒	☐	☐	☐	☐	☐	☒	☒	
99	Recommend improvements to practice to further enhance the image and efficiency of the construction industry.	☒	☐	☐	☐	☐	☐	☒	☒	
100	Analyse the role and value of openness and transparency versus confidentiality and commercial sensitivity, i.e. Whistleblowing	☒	☐	☐	☐	☐	☐	☒	☒	
101	Examine company, industry or government policies for inclusivity and their value to the construction industry.	☒	☐	☐	☐	☐	☐	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
102	Review and recommend national and international procedures to comply with professional obligations, e.g. bribery, money laundering.	☒	☐	☐	☐	☐	☐	☒	☒	
103	Compare the Governance and Corporate Social Responsibility of organisations and the wider society.	☒	☐	☐	☐	☐	☐	☒	☒	
104	Evaluate company decisions from individual and professional ethical perspectives.	☒	☐	☐	☐	☐	☐	☒	☒	
105	Implement a review of and reflection on self-development and self- awareness.	☒	☐	☐	☐	☐	☐	☒	☒	
106	Critically evaluate health and safety legislation from a corporate perspective.	☒	☐	☐	☐	☐	☐	☒	☒	
107	Reflect on personal responsibility for health, safety and wellbeing at all levels within an organisation and the consequences of action and inaction.	☒	☐	☐	☐	☐	☐	☒	☒	
108	Critically evaluate health and safety management procedures on a variety of projects.	☒	☐	☐	☐	☐	☐	☒	☒	
109	Analyse how the Construction Industry should enhance competence, behaviour and commitment to health, safety and wellbeing in both the design and management of construction projects.	☒	☐	☐	☐	☐	☐	☒	☒	
110	Analyse the main sustainability impacts that a building has over the duration of its life cycle, from design through construction, use, refurbishment and adaptation to demolition and disposal.	☒	☐	☐	☐	☐	☐	☒	☒	
111	Examine the Construction Industry's challenges, opportunities and responsibilities with regards to the three themes of sustainability: • social sustainability and quality of life • economic sustainability • environmental sustainability	☒	☐	☐	☐	☐	☐	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
112	Undertake cost-benefit and feasibility analysis of carbon issues in relation to building design and operational management.	☒	☐	☐	☐	☐	☐	☒	☒	
113	Make comparisons between predicted and actual sustainability performance of buildings	☒	☐	☐	☐	☐	☐	☒	☒	
114	Carry out an impact assessment of the provision of a comfortable and healthy internal environment on a building's carbon emissions.	☒	☐	☐	☐	☐	☐	☒	☒	
115	Critically appraise carbon/energy assessment techniques.	☒	☐	☐	☐	☐	☐	☒	☒	
116	Evaluate techniques available to reduce all waste and enhance recycling including lean construction, resource efficiency and the adoption of the circular economy for sustainability.	☒	☐	☐	☐	☐	☐	☒	☒	
117	Review threats and opportunities for the future development of the construction industry.	☒	☐	☐	☐	☐	☐	☒	☒	
118	Appraise and evaluate the influence of current issues including, sustainability, health & safety internationalisation and inclusion on the social and economic aspects of construction activity worldwide.	☒	☐	☐	☐	☐	☐	☒	☒	
119	Analyse the impact that legal obligations have on the construction management process.	☒	☐	☐	☐	☐	☐	☒	☒	
120	Appraise and evaluate alternative dispute resolution processes.	☒	☐	☐	☐	☐	☐	☒	☒	
121	Examine the opportunities and problems for a construction company operating in the global market place.	☒	☐	☐	☐	☐	☐	☒	☒	
122	Implement procedures and practices associated with the settlement of final accounts, claims and dispute resolution.	☒	☐	☐	☐	☐	☐	☒	☒	
123	Appraise and evaluate the financial management of corporate enterprises and professional practices.	☒	☐	☐	☐	☐	☐	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
124	Demonstrate an appreciation of property and infrastructure development in relation to financial and legal aspects including development viability and appraisal.	☒	☐	☐	☐	☐	☐	☒	☒	
125	Evaluate the importance and challenges of working in a collaborative environment and the integration of design, costing and scheduling.	☒	☐	☐	☐	☐	☐	☒	☒	
126	Critical appraisal of electronic measurement and estimating systems.	☒	☐	☐	☐	☐	☐	☒	☒	
127	Evaluate and challenge the use of proposed technologies against the need for contemporary and innovative solutions to achieve integration, buildability, speed, cost, health and safety, inclusion and quality criteria applied to case study buildings.	☒	☐	☐	☐	☐	☐	☒	☒	
128	Examine the potential and use of sustainable technologies applied to case study buildings.	☒	☐	☐	☐	☐	☐	☒	☒	
129	Examine and select suitable solutions, including renewable technologies for building services in the context of a development project.	☒	☐	☐	☐	☐	☐	☒	☒	
130	Investigate and propose methods to future proof buildings.	☒	☐	☐	☐	☐	☐	☒	☒	
131	Analyse the effectiveness of site investigation techniques in preventing unforeseen problems in the construction phase of a project.	☒	☐	☐	☐	☐	☐	☒	☒	
132	Evaluate the viability of ethically sourcing construction materials and possible effects this may have on the construction process.	☒	☐	☐	☐	☐	☐	☒	☒	
133	Research a contemporary construction built environment issue.	☒	☐	☐	☐	☐	☐	☒	☒	
134	Demonstrate an ability to select and apply appropriate ethical research methods.	☒	☐	☐	☐	☐	☐	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
135	Analyse, synthesise and evaluate a key issue affecting the built environment.	☒	☐	☐	☐	☐	☐	☒	☒	
136	Summarise information from a variety of sources.	☐	☒	☐	☐	☒	☐	☐	☐	
137	Recognise appropriate theories, methodologies, concepts and principles from a range of subjects.	☐	☒	☐	☐	☒	☐	☐	☐	
138	collect several lines of evidence to develop arguments.	☐	☒	☐	☐	☒	☐	☐	☐	
139	plan an experiment, investigation, survey or other means to test a hypothesis or proposition.	☐	☒	☐	☐	☒	☐	☐	☐	
140	Indicate knowledge and understanding to address multidisciplinary problems within a local and global context.	☐	☒	☐	☐	☒	☐	☐	☐	
141	Indicate an ability to be creative and innovative.	☐	☒	☐	☐	☒	☐	☐	☐	
142	Indicate an awareness of the provisional nature of the facts and principles associated with a field of study with those based on opinion and not supported by sound evidence.	☐	☒	☐	☐	☒	☐	☐	☐	
143	Suggest considered decisions in complex and unpredictable contexts.	☐	☒	☐	☐	☒	☐	☐	☐	
144	Indicate an understanding of the importance of academic and professional integrity.	☐	☒	☐	☐	☒	☐	☐	☐	
145	Analyse information from a variety of sources.	☐	☒	☐	☐	☐	☒	☐	☐	
146	Use appropriate theories, methodologies, concepts and principles from a range of subjects.	☐	☒	☐	☐	☐	☒	☐	☐	
147	Collect and analyse several lines of evidence to develop balanced arguments.	☐	☒	☐	☐	☐	☒	☐	☐	
148	plan and design an experiment, investigation, survey or other means to test a hypothesis or proposition.	☐	☒	☐	☐	☐	☒	☐	☐	
149	Demonstrate knowledge and understanding to address multidisciplinary problems within a local and global context.	☐	☒	☐	☐	☐	☒	☐	☐	
150	Demonstrate creativity and innovation.	☐	☒	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
151	Demonstrate awareness of the provisional nature of the facts and principles associated with a field of study with those based on opinion and not supported by sound evidence.	☐	☒	☐	☐	☐	☒	☐	☐	
152	Make well considered decisions in complex and unpredictable contexts.	☐	☒	☐	☐	☐	☒	☐	☐	
153	Demonstrate the importance of academic and professional integrity.	☐	☒	☐	☐	☐	☒	☐	☐	
154	Critically analyse information from a variety of sources.	☐	☒	☐	☐	☐	☐	☒	☐	
155	Test appropriate theories, methodologies, concepts and principles from a range of subjects.	☐	☒	☐	☐	☐	☐	☒	☐	
156	collect, analyse and integrate several lines of evidence to develop balanced arguments demonstrating critical thinking.	☐	☒	☐	☐	☐	☐	☒	☐	
157	Plan, design and implement an experiment, investigation, survey or other means to test a hypothesis or proposition.	☐	☒	☐	☐	☐	☐	☒	☐	
158	Apply knowledge and understanding to address multidisciplinary problems within a local and global context.	☐	☒	☐	☐	☐	☐	☒	☐	
159	Demonstrate creativity and innovation and reflect upon outcomes.	☐	☒	☐	☐	☐	☐	☒	☐	
160	Demonstrate awareness of the provisional nature of the facts and principles associated with a field of study with those based on opinion and not supported by sound evidence, and reflect upon associated implications.	☐	☒	☐	☐	☐	☐	☒	☐	
161	Make well considered decisions in complex and unpredictable contexts and reflect upon outcomes.	☐	☒	☐	☐	☐	☐	☒	☐	
162	Demonstrate the importance of academic and professional integrity.	☐	☒	☐	☐	☐	☐	☒	☐	
163	Synthesise information from a variety of sources.	☐	☒	☐	☐	☐	☐	☐	☒	
164	Use and evaluate appropriate theories, methodologies, concepts and principles from a range of subjects	☐	☒	☐	☐	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
165	Collect, analyse, integrate and evaluate several lines of evidence to develop balanced arguments demonstrating critical thinking and synthesis.	☐	☒	☐	☐	☐	☐	☐	☒	
166	Plan, design, implement and evaluate an experiment, investigation, survey or other means to test a hypothesis or proposition.	☐	☒	☐	☐	☐	☐	☐	☒	
167	Apply knowledge and understanding to address multidisciplinary problems within a local and global context and evaluate outcomes.	☐	☒	☐	☐	☐	☐	☐	☒	
168	Demonstrate creativity and innovation and evaluate outcomes.	☐	☒	☐	☐	☐	☐	☐	☒	
169	Demonstrate awareness of the provisional nature of the facts and principles associated with a field of study with those based on opinion and not supported by sound evidence, and evaluate implications.	☐	☒	☐	☐	☐	☐	☐	☒	
170	Make well considered decisions in complex and unpredictable contexts and evaluate outcomes.	☐	☒	☐	☐	☐	☐	☐	☒	
171	Demonstrate the importance of academic and professional integrity.	☐	☒	☐	☐	☐	☐	☐	☒	
172	Recognise the performance requirements of buildings and facilities.	☐	☐	☒	☐	☒	☐	☐	☐	
173	Identify the technical factors affecting the design and construction of buildings.	☐	☐	☒	☐	☒	☐	☐	☐	
174	Recognise that differing design options may be employed in the construction of buildings.	☐	☐	☒	☐	☒	☐	☐	☐	
175	Demonstrate an awareness of the mainstream technology for constructing domestic, industrial and commercial buildings.	☐	☐	☒	☐	☒	☐	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
176	Identify the broad categories of building components and materials together with the pathological processes resulting in their degradation and failure.	☐	☐	☒	☐	☒	☐	☐	☐	
177	Recognise the broad approaches available to manage, repair and maintain buildings and facilities.	☐	☐	☒	☐	☒	☐	☐	☐	
178	Indicate an awareness of the legal and regulatory frameworks and systems impacting on the design, construction and occupancy of buildings and facilities.	☐	☐	☒	☐	☒	☐	☐	☐	
179	Recognise the socioeconomic factors influencing property development, construction and use.	☐	☐	☒	☐	☒	☐	☐	☐	
180	Have an awareness of the environmental impact of buildings and facilities.	☐	☐	☒	☐	☒	☐	☐	☐	
181	Appreciate the nature of organisations that own and operate buildings.	☐	☐	☒	☐	☒	☐	☐	☐	
182	Be aware of the professional roles and responsibilities of key players in the property development cycle.	☐	☐	☒	☐	☒	☐	☐	☐	
183	Have an awareness of the main costs associated with the construction and use of buildings and facilities.	☐	☐	☒	☐	☒	☐	☐	☐	
184	Be aware of the professional and ethical frameworks associated with the development and use of buildings and facilities.	☐	☐	☒	☐	☒	☐	☐	☐	
185	Have an understanding of the principles and processes that deliver an inclusive environment recognising the diversity of user needs by putting people (of all ages and abilities) at the heart of the building surveying process.	☐	☐	☒	☐	☒	☐	☐	☐	
186	Demonstrate an appreciation of the performance requirements of buildings and facilities.	☐	☐	☒	☐	☐	☒	☐	☐	
187	Describe the technical factors affecting the design and construction of buildings.	☐	☐	☒	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
188	Analyse the differing design options employed in the construction of buildings.	☐	☐	☒	☐	☐	☒	☐	☐	
189	Describe the mainstream technology for constructing domestic, industrial and commercial buildings.	☐	☐	☒	☐	☐	☒	☐	☐	
190	Describe the broad categories of building components and materials together with the pathological processes.	☐	☐	☒	☐	☐	☒	☐	☐	
191	Describe the broad approaches available to manage, repair and maintain buildings and facilities.	☐	☐	☒	☐	☐	☒	☐	☐	
192	Demonstrate awareness of the legal and regulatory frameworks and systems impacting on the design, construction and occupancy of buildings and facilities.	☐	☐	☒	☐	☐	☒	☐	☐	
193	Describe the socioeconomic factors influencing property development, construction and use.	☐	☐	☒	☐	☐	☒	☐	☐	
194	Describe the environmental impact of buildings and facilities.	☐	☐	☒	☐	☐	☒	☐	☐	
195	Articulate the nature of organisations that own and operate buildings.	☐	☐	☒	☐	☐	☒	☐	☐	
196	Describe the professional roles and responsibilities of key players in the property development cycle.	☐	☐	☒	☐	☐	☒	☐	☐	
197	Describe the main costs associated with the construction and use of buildings and facilities.	☐	☐	☒	☐	☐	☒	☐	☐	
198	Articulate the professional and ethical frameworks associated with the development and use of buildings and facilities.	☐	☐	☒	☐	☐	☒	☐	☐	
199	Demonstrate an understanding of the principles and processes that deliver an inclusive environment recognising the diversity of user needs by putting people (of all ages and abilities) at the heart of the building surveying process.	☐	☐	☒	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
200	Critically appraise the performance requirements of buildings and facilities.	☐	☐	☒	☐	☐	☐	☒	☐	
201	Analyse the technical factors affecting the design and construction of buildings.	☐	☐	☒	☐	☐	☐	☒	☐	
202	Analyse the design options that may be employed in the construction of buildings.	☐	☐	☒	☐	☐	☐	☒	☐	
203	Critically appraise the mainstream technology for constructing domestic, industrial and commercial buildings.	☐	☐	☒	☐	☐	☐	☒	☐	
204	Analyse the broad categories of building components and materials together with the pathological processes.	☐	☐	☒	☐	☐	☐	☒	☐	
205	Select the broad approaches available to manage, repair and maintain buildings and facilities.	☐	☐	☒	☐	☐	☐	☒	☐	
206	Analyse the legal and regulatory frameworks and systems impacting on the design, construction and occupancy of buildings and facilities.	☐	☐	☒	☐	☐	☐	☒	☐	
207	Critically appraise the socioeconomic factors influencing property development, construction and use.	☐	☐	☒	☐	☐	☐	☒	☐	
208	Recommend mitigations to reduce the environmental impact of buildings and facilities.	☐	☐	☒	☐	☐	☐	☒	☐	
209	Critically appraise the nature of organisations that own and operate buildings.	☐	☐	☒	☐	☐	☐	☒	☐	
210	Analyse the professional roles and responsibilities of key players in the property development cycle.	☐	☐	☒	☐	☐	☐	☒	☐	
211	Justify the main costs associated with the construction and use of buildings and facilities.	☐	☐	☒	☐	☐	☐	☒	☐	
212	Select and justify the professional and ethical frameworks associated with the development and use of buildings and facilities.	☐	☐	☒	☐	☐	☐	☒	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
213	Critically appraise the principles and processes that deliver an inclusive environment recognising the diversity of user needs by putting people (of all ages and abilities) at the heart of the building surveying process.	☐	☐	☒	☐	☐	☐	☒	☐	
214	Evaluate the performance requirements of buildings and facilities and make recommendations to enhance future performance.	☐	☐	☒	☐	☐	☐	☐	☒	
215	Evaluate the technical factors affecting the design and construction of buildings.	☐	☐	☒	☐	☐	☐	☐	☒	
216	Select and justify design options that may be employed in the construction of buildings.	☐	☐	☒	☐	☐	☐	☐	☒	
217	Evaluate and recommend the mainstream technology for constructing domestic, industrial and commercial buildings	☐	☐	☒	☐	☐	☐	☐	☒	
218	Select and justify the broad categories of building components and materials together with the pathological processes.	☐	☐	☒	☐	☐	☐	☐	☒	
219	Analyse and evaluate the broad approaches available to manage, repair and maintain buildings and facilities.	☐	☐	☒	☐	☐	☐	☐	☒	
220	Select and justify the legal and regulatory frameworks and systems impacting on the design, construction and occupancy of buildings and facilities.	☐	☐	☒	☐	☐	☐	☐	☒	
221	Analyse and evaluate the socioeconomic factors influencing property development, construction and use.	☐	☐	☒	☐	☐	☐	☐	☒	
222	Analyse and evaluate the environmental impact of buildings and facilities.	☐	☐	☒	☐	☐	☐	☐	☒	
223	Analyse and evaluate the nature of organisations that own and operate buildings.	☐	☐	☒	☐	☐	☐	☐	☒	
224	Analyse the professional roles and responsibilities of key players in the property development cycle.	☐	☐	☒	☐	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
225	Analyse the main costs associated with the construction and use of buildings and facilities.	☐	☐	☒	☐	☐	☐	☐	☒	
226	Analyse and evaluate of the professional and ethical frameworks associated with the development and use of buildings and facilities.	☐	☐	☒	☐	☐	☐	☐	☒	
227	Analyse and evaluate of the principles and processes that deliver an inclusive environment recognising the diversity of user needs by putting people (of all ages and abilities) at the heart of the building surveying process.	☐	☐	☒	☐	☐	☐	☐	☒	
228	Plan, conduct and present an independent investigation with significant guidance.	☐	☐	☐	☒	☒	☒	☒	☒	
229	Relate investigations to some prior work and reference it appropriately.	☐	☐	☐	☒	☒	☒	☒	☒	
230	Where appropriate, use laboratory and field equipment safely.	☐	☐	☐	☒	☒	☒	☒	☒	
231	Apply a range of methods to solve problems.	☐	☐	☐	☒	☒	☒	☒	☒	
232	Use appropriate technologies to address problems.	☐	☐	☐	☒	☒	☒	☒	☒	
233	Where appropriate, describe and record in the field and laboratory.	☐	☐	☐	☒	☒	☒	☒	☒	
234	Interpret practical results with guidance.	☐	☐	☐	☒	☒	☒	☒	☒	
235	Present results of investigations in a number of formats.	☐	☐	☐	☒	☒	☒	☒	☒	
236	Apply survey measurements and evaluation techniques as appropriate to the course.	☐	☐	☐	☒	☒	☒	☒	☒	
237	Recognise and record visual information when on site or from graphical sources.	☐	☐	☐	☒	☒	☒	☒	☒	
238	Apply professional judgement in drawing skills and knowledge together and applying them to real world problems.	☐	☐	☐	☒	☒	☒	☒	☒	
239	Recognise when information is incomplete.	☐	☐	☐	☒	☒	☒	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
240	Appreciate risk.	☐	☐	☐	☒	☒	☒	☒	☒	
241	Process and interpret data and information.	☐	☐	☐	☒	☒	☒	☒	☒	
242	Critically appraise spatial data.	☐	☐	☐	☒	☒	☒	☒	☒	
243	Solve basic numerical problems using appropriate techniques.	☐	☐	☐	☒	☒	☒	☒	☒	
244	Undertake simple statistical analysis.	☐	☐	☐	☒	☒	☒	☒	☒	
245	Select and apply appropriate methods of collecting, analysing, and synthesising data.	☐	☐	☐	☒	☒	☒	☒	☒	
246	Appreciate the importance of intellectual property and its role within the innovation process.	☐	☐	☐	☒	☒	☒	☒	☒	
247	Communicate to a variety of audiences in appropriate written, graphical, electronic and verbal forms.	☐	☐	☐	☒	☒	☒	☒	☒	
248	Make contributions to group discussions.	☐	☐	☐	☒	☒	☒	☒	☒	
249	Watch, listen and respond to others.	☐	☐	☐	☒	☒	☒	☒	☒	
250	Negotiate and mediate with others.	☐	☐	☐	☒	☒	☒	☒	☒	
251	Use social media for communication.	☐	☐	☐	☒	☒	☒	☒	☒	
252	Use the internet for communication and information retrieval.	☐	☐	☐	☒	☒	☒	☒	☒	
253	Handle electronic information with guidance, applying appropriate techniques, digital tools and applications to support key subjects.	☐	☐	☐	☒	☒	☒	☒	☒	
254	Have an awareness of the safe, ethical and legal use of digital media.	☐	☐	☐	☒	☒	☒	☒	☒	
255	Demonstrate the application of information technology and digital tools and techniques to support key subjects.	☐	☐	☐	☒	☒	☒	☒	☒	
256	Make a constructive contribution to teamwork.	☐	☐	☐	☒	☒	☒	☒	☒	
257	Identify individual goals.	☐	☐	☐	☒	☒	☒	☒	☒	
258	Recognise and respect the views of others.	☐	☐	☐	☒	☒	☒	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
259	Recognise equality, diversity and inclusion in all its forms.	☐	☐	☐	☒	☒	☒	☒	☒	
260	Reflect on team performance.	☐	☐	☐	☒	☒	☒	☒	☒	
261	Recognise and be able to comment on the moral and ethical issues associated with the subject.	☐	☐	☐	☒	☒	☒	☒	☒	
262	Appreciate the need for professional codes of conduct.	☐	☐	☐	☒	☒	☒	☒	☒	
263	Accept responsibility for their own learning.	☐	☐	☐	☒	☒	☒	☒	☒	
264	Identify targets for personal, career and academic development.	☐	☐	☐	☒	☒	☒	☒	☒	
265	Be adaptable and have a flexible approach to study and work.	☐	☐	☐	☒	☒	☒	☒	☒	
266	Develop skills necessary for self-managed, independent and lifelong learning.	☐	☐	☐	☒	☒	☒	☒	☒	
267	Recognise personal strengths and weaknesses.	☐	☐	☐	☒	☒	☒	☒	☒	
268	Present information effectively to audiences.	☐	☐	☐	☒	☒	☒	☒	☒	
269	Demonstrate effective meeting skills.	☐	☐	☐	☒	☒	☒	☒	☒	
270	Demonstrate effective interpersonal skills and informal communication.	☐	☐	☐	☒	☒	☒	☒	☒	
271	Identify and determine solutions to problems.	☐	☐	☐	☒	☒	☒	☒	☒	
272	Investigate problems, causes and effects within the job role.	☐	☐	☐	☒	☒	☒	☒	☒	
273	Identify and gather all necessary information required to carry out tasks within the job role.	☐	☐	☐	☒	☒	☒	☒	☒	
274	Process information effectively to meet work objectives.	☐	☐	☐	☒	☒	☒	☒	☒	
275	Identify actions to remedy incorrect or insufficient information.	☐	☐	☐	☒	☒	☒	☒	☒	
276	Identify the various procurement procedures within your organisation.	☐	☐	☐	☒	☒	☒	☒	☒	
277	Demonstrate the ability to identify and manage risk.	☐	☐	☐	☒	☒	☒	☒	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
278	Demonstrate effective budget control and identify budget constraints.	☐	☐	☐	☒	☒	☒	☒	☒	
279	Demonstrate effective time management.	☐	☐	☐	☒	☒	☒	☒	☒	
280	Demonstrate effective team working.	☐	☐	☐	☒	☒	☒	☒	☒	
281	Demonstrate the ability to deal with conflict in teams.	☐	☐	☐	☒	☒	☒	☒	☒	
282	Set and review work objectives.	☐	☐	☐	☒	☒	☒	☒	☒	
283	Plan activities and work methods.	☐	☐	☐	☒	☒	☒	☒	☒	
284	Monitor and control work activities.	☐	☐	☐	☒	☒	☒	☒	☒	
285	Identify job responsibilities and practices under health, safety and welfare legislation.	☐	☐	☐	☒	☒	☒	☒	☒	
286	Identify and describe the implementation of risk control measures.	☐	☐	☐	☒	☒	☒	☒	☒	
287	Investigate the quality of a product, service or process.	☐	☐	☐	☒	☒	☒	☒	☒	
288	Undertake an investigation for the organisation.	☐	☐	☐	☒	☒	☒	☒	☒	
289	Identify and evaluate the company's policies and practices in sustainable building.	☐	☐	☐	☒	☒	☒	☒	☒	
290	Identify ways of protecting the workplace and surrounding environments.	☐	☐	☐	☒	☒	☒	☒	☒	
291	Identify the impact/consequences of making decisions.	☐	☐	☐	☒	☒	☒	☒	☒	
292	Demonstrate an understanding of construction and relevant civil law.	☐	☐	☐	☒	☒	☒	☒	☒	

Note: K- Knowledge and understanding; I-Intellectual Skills; S-Subject Skills; P-Practical, professional and employability skills

2.4 Learning and teaching strategy

The learning and teaching experience will benefit from a variety of approaches that ensure content is considered against a broad contextual background commensurate with the diverse nature of industrial practice. Candidates will develop academic skills and associated competencies in an environment that encourages original thought and personal development through the interpretation and analysis of technical content.

In exploiting opportunities to encourage the interest and engagement of students, delivery will be such that a variety of recognised methods will be employed using the University's Active Learning Framework (ALF), both instructive and exploratory, towards appropriate coverage and depth in the consideration of module content. Wherever possible, scenario-based opportunities will be utilised to explore both general principles and specific issues in context, and traditional didactic methods will be limited to those areas of the curriculum that necessitate such an instructive approach. In this respect, delivery will be overtly student-centred, and all who participate should be given the opportunity to feel comfortable and confident in contributing to the learning process, within an environment of mutual respect and learning.

In terms of resourcing the programmes, cohorts will be provided with all that is necessary to ensure that knowledge and understanding is developed in the use of facilities and equipment that best-reflect current industrial practice. Such resources include technological equipment, computational software and electronic databases that might be expected to be utilised in the design, construction and use of buildings and infrastructure in contemporary development processes. 'Base-rooms' are already established in the University which are utilised to their fullest extent in order to give identity to the programmes of study, and to provide students with shared spaces that encourage a collegiate approach to study.

In resourcing academic aspects of the provision, digital platforms such as Moodle, Digimap and the Construction Information Service will enable students to access programme documentation, lecture content and research material in order that students are fully served by such resources in the preparation and submission of assessments.

In embracing opportunities presented by the use of Artificial Intelligence, students will be encouraged to utilise such tools overtly in the development of knowledge and understanding, but will be expected to corroborate how such technologies have been used towards the production of original assessment submissions.

Every opportunity will be taken to maximise industrial engagement within programmes through contributions from guest speakers, visits to live construction and civil engineering projects and through attendance at seminars, conferences and exhibitions that are often promoted within the sector. Travel in the UK and abroad is also encouraged if at all practicable in pursuit of similar objectives.

Because of the prevailing industrial contexts, learning opportunities will be informed by the Key Skills for Employment which underpins related clauses within professional body and QAA Benchmark specifications that relate directly to the disciplines of the titles proposed. All HNC students will be required to be permanently employed on a full-time basis within their industrial context and provided with a facility to attend on a 'day-release' basis, or such other agreed mode of attendance should aspects of the provision be delivered in blocks. All full-time students will be required to undertake a work placement of at least one week's duration in an employment setting considered appropriate by their respective Programme Leader.

2.5 Assessment strategy

A range of assessment methods will be utilised to ensure that students are able to express themselves in a variety of different ways, in order to simulate the sorts of written, practical, visual and oral communication mediums that might be expected to take place within the professional and industrial work environment. Work-based Learning, Professional Practice and work placement components in particular, will allow students to directly connect professional and vocational aspects of their chosen sector with those academic components of the programme, such that in combination, academic study and occupational experience will be complementary in developing a student's knowledge and understanding of their subject.

The assessment strategy will encompass a range of techniques to ensure that students are provided with diverse opportunities to demonstrate their knowledge and understanding. Written submissions, the practical use of technological equipment, visual presentations, laboratory analyses, in-class tests, examinations, coursework and viva voce are all important components in a systematic approach to providing students with opportunities to express themselves. Types of assessment have been selected to best-suit the nature of the technical content of each module, and collectively constitute a balanced and coherent whole in pursuit of an inclusive and broad-based approach to the measurement of knowledge, skills and behaviours.

In order to help corroborate authenticity and originality in the provision of assessment work that might be subject to the inappropriate use of Artificial Intelligence, all 'presentations' will incorporate an oral 'question and answer' component.

2.6 Disclaimer

Throughout quality assurance processes we have ensured that this programme engages with and is aligned to:

- [Academic Regulations](#)
- [The University Skills Framework](#)
- [Welsh Language Policy](#)
- [Equality and Diversity Policy](#)
- [The Student Union offers support for students](#)

Section 3 – Programme set up (office use only)

3.1	Framework	FRAME001_SEP FRAME005_SEP FRAME071_SEP
3.2	Cost centre	GABE
3.3	Course type (HESA)	N/A
3.4	Fee model	Standard full time UG
3.5	Are any modules taught over either multiple periods or across the HESA year (defined as running 1st August - 31st July)	Yes
3.6	Student funding model	SLC/Self-Financed
3.7	Mode of Attendance (Funding)	In person attendance
3.8	Does the Suitability for Practice Procedure apply to the programme?	No
3.9	Programme Leader	Simon Everett
3.10	Date of Approval	03/07/2024

Section 3 – Programme set up (office use only)		
3.11	Date and type of Revision	10/09/2026 Change of semester of delivery for several modules (AM1)