

Course:	Pearson BTEC Level 4 Higher Nationals in Construction and the Built Environment	Unit/module:	4: Construction Environment	Year:	2024-2025
Tutor:	Adewale Abimbola	Time:	32 Weeks, 1.75 hours per week		

Week No/Date	Date	Syllabus Ref	Topic	Methods of Delivery	Resources	ESW Opportunities (How will you develop Literacy, Numeracy and ILT?)	Assessment/ Student Activity	Remarks (Please note opportunities for Equality and Diversity ESDGC, Wellbeing, Curriculum Cymraeg, Enterprise, etc. and any Health and Safety issues)
1	WC 02/09/2024 INDUCTION WEEK							
2	WC 09/09/2024	L01	Topic: Introduction to unit 4 & Historical development of the construction industry Sample activities: - Presentation and discussion of the unit brief, Pearson-set theme and topics for student selection. - Seminar and discussion of unit Learning Outcomes and Assessment Criteria.	T D GW CE	IWB C Handout DP	PS IT WWO	Q&A Discussion Group Work	Equality and Diversity: Highlight the contributions of diverse groups throughout history, including women and ethnic minorities. ESDGC: Explore how construction techniques have evolved to become more sustainable over time. Curriculum Cymraeg: Incorporate Welsh construction history, featuring notable Welsh architects and builders.

Methods of Delivery: T – Talk, D – Discussion, GW – Group Work, RL – Role Play, CE – Class Exercise, WS – Worksheet, etc

Essential & Key Skills Opportunities: C – Communications, AN – Application of Number, IT – Information Technology, IOLP – Improving Own Learning & Performance, WWO – Working With Others, PS – Problem Solving, ESDGC (Education for Sustainable Development and Global Citizenship).

Assessment: Assignment Ref, Q&A, Discussion, Group Work, Quiz, etc

Resources: IWB – Interactive Whiteboard, WB – Whiteboard, C – Computer, DP – Data Projector, F – Flipchart, TV/Video, etc.

Remarks: ESDGC, CC (This is an opportunity to plan for developing ESDGC, Curriculum Cymreig, Enterprise, Wellbeing and/or other important curriculum issues). Include any potential Health & Safety risks/hazards which could be encountered during the course of the lesson.

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			- Presentation on the historical development of the construction industry. Students should be able to - Student discussion of learning outcomes and assessment criteria. - Students, working in groups, to discuss the development of the construction industry using historic and contemporary examples.					
3	WC 16/09/2024	L01	Topic: Company Organisation/ Organisation structure & Construction Stakeholders Sample activities: Presentation on company organisation and construction stakeholders Students, working in groups, to produce tree diagrams of company structures and identify the main operatives within a company's structure.	T D GW CE WS PowerPoint	IWB C Handout DP	IT WWO PS	Q&A Discussion Group Work	Equality and Diversity: Emphasise the importance of diverse leadership and inclusive organisational structures. Wellbeing: Discuss how organisational structures can improve employee satisfaction and mental health. Enterprise: Explore how different organisational structures can foster innovation and entrepreneurship. Equality and Diversity: Address the need for diverse representation among stakeholders.

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			Students to explain the roles and responsibilities of those that work in the construction industry.					ESDGC: Highlight the role of environmental stakeholders in sustainable construction.
4	WC 23/09/2024	L01	Topic: Professional and other institutes, including societies, codes of conduct, and professional ethics. Presentation on professional and other institutes, including societies, codes of conduct, and professional ethics. Students to - Students to evaluate the ways in which professionalism are important to the growth of the construction sector. - Students to analyse the purpose of professional bodies in supporting the industry and protecting the public.	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion	Equality and Diversity: Examine how professional bodies are promoting inclusivity in the industry. Wellbeing: Discuss ethical considerations related to worker welfare and mental health. Health & Safety: Explore how codes of conduct address safety responsibilities.

Methods of Delivery: T – Talk, D – Discussion, GW – Group Work, RL – Role Play, CE – Class Exercise, WS – Worksheet, etc

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5	WC 30/09/2024	L01	Topic: Supply chain in construction. Sample activities: Presentation on the supply chain in construction. Students, working in groups, to explore how the construction industry reflects supply chain sustainability. Students to explain supply chain sustainability.	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Equality and Diversity: Discuss the importance of supplier diversity programmes. ESDGC: Examine sustainable and ethical sourcing practices in the supply chain. Enterprise: Explore opportunities for local businesses in the construction supply chain.
6	WC 07/10/2024	L01	LO 1 REVISION	T D D CE	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Work collaboratively in diverse groups Development of research skills Development of academic writing skills
7	WC 14/10/2024	L02	Topic: Sustainability and Environmental strategies in construction. Sample activities: Presentation on environmental, economic, and social strategies in construction. Students to explain the different types of sustainability and how the construction industry is reflected in these. Students, working in groups, to discuss the government policies	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	ESDGC: Analyse the impact of green building practices on the environment. Wellbeing: Discuss how sustainable design can improve occupant health and comfort. Curriculum Cymraeg: Explore Welsh government initiatives promoting sustainable construction.

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			in achieving net-zero targets in the construction sector.					
8	WC 21/10/2024	L02	Topic: Diversity and inclusion. Presentation on diversity and inclusion. - Students to define potential strategies to promote equality, diversity and inclusion and ensure fairness at work. - Students to Illustrate the challenges of the construction industry in regard to diversity and inclusion. - Students to evaluate the ways in which diversity and inclusion are important to the growth of the construction sector.	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Equality and Diversity: Examine best practices for creating inclusive work environments. Wellbeing: Discuss the positive impact of diversity on workplace culture and mental health. Enterprise: Explore how diversity can drive innovation and business growth.
9	WC 04/11/2024	LO1&2	Issue Assignment 1. Students are introduced to the assessment process for the unit, revisit learning outcomes and criteria. Discussion of submission requirements for the unit.	T WS Assignment Ref	C WS	IOLP PS	Assignment Ref Discussion	Development of research skills Develops an understanding of choices and decisions Development of academic writing skill.

Methods of Delivery: T – Talk, D – Discussion, GW – Group Work, RL – Role Play, CE – Class Exercise, WS – Worksheet, etc

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10 - 14	WC 11/11/2024 - WC 09/12/2024	LO1&2	Topic: Assignment 1 – Independent study & support sessions Students, working individually, begin to identify resources required in relation to their proposed project. Submit Assignment 1.	T CE WS Assignment Ref	C WS	IOLP PS	Assignment Ref Discussion	Development of research skill. Develops an understanding of choices and decisions Development of academic writing skills
15	WC 16/12/2024	LO3	Topic: Project handover Presentation on project handover Students to discuss the processes and requirements for project handover, ensuring the safety and quality of work.	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion	Equality and Diversity: Ensure handover processes are accessible to all, including those with disabilities. Health & Safety: Discuss the importance of thorough safety briefings during handover.
16	WC 06/01/2025	LO 3	Topic: Construction regulations and legislation. Presentation on construction regulations and legislation. Students will analyse the ways in which legislation and regulation work to ensure safety during construction and occupation.	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Equality and Diversity: Examine legislation promoting equality in the workplace. ESDGC: Discuss regulations related to environmental protection and sustainability. Health & Safety: Analyse the impact of health and safety regulations on worker wellbeing.

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			Students to provide examples of CDM regulation within the construction industry.					
			Assignment 1 feedback					
17	WC 13/01/2025	LO 3	Topic: Health & safety within the construction industry. Presentation on Health & safety within the construction industry. Students to: Students to discuss the evolution of health and safety within construction. Students to analyse health and safety trends within construction. Students will discuss the processes and requirements for project handover, ensuring the safety of work.	T D WS CE PowerPoint	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Wellbeing: Explore mental health initiatives in construction health and safety programmes. Equality and Diversity: Discuss how safety equipment and procedures can be adapted for diverse needs.
18	WC 20/01/2025	LO 3	Topic: Earned value management and cost monitoring Presentation on earned value management and cost monitoring. Students, working in groups to:	T D D CE	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Enterprise: Discuss how effective cost management can improve business sustainability. Equality and Diversity: Explore fair pay practices and equal opportunities in project management. ESDGC: Examine how cost monitoring

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			- Assess the progress of a construction project based on the measured progress achieved. - Forecast total cost and date of completion of a construction project. Students, working individually, to explain the importance of monitoring costs in construction projects.					can support sustainable construction practices.
19	WC 27/01/2025	LO 3	LO 3 REVISION	T D D CE	IWB C Handout	C IT WWO PS	Q&A Discussion Group Work	Work collaboratively in diverse groups Development of research skills Development of academic writing skills
20 - 21	WC 03/02/2025 & WC 10/02/2025	LO 4	Topic: Personal Development Plan Presentation on personal development plan. - Students to prepare a personal development plan, highlighting routes to - achieve subject relevant technical and employability skills,	T D GW CE WS PowerPoint	IWB C HandoutIT	C IT WWO PS	Quiz Q&A Discussion Group Work	Wellbeing: Incorporate mental health and work-life balance into personal development goals. Equality and Diversity: Discuss the importance of cultural competence in personal development. Enterprise: Explore how personal development can foster entrepreneurial skills.

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			which will be discussed with the class. • Student-led discussion on the relationship between personal goals, career goals and company goals, and when these goals may align or differ. • Students will evaluate goals to determine if they are SMART, and adjust as necessary.					
22	WC 17/02/2025	LO 4	Topic: Routes into employment and progression in employment Presentation on routes into employment and employment progression. • Each student to give a brief (10 minutes) presentation of their employment goals (short-term and long-term) and how they are progressing (on their short-term goals), students and tutor to ask questions,	T D GW CE WS PowerPoint	IWB C HandoutIT	C IT WWO PS	Quiz Q&A Discussion Group Work	Equality and Diversity: Examine diverse pathways into construction, including apprenticeships and degree programmes. ESDGC: Discuss how education in sustainable construction practices can enhance employability.

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			give advice and feedback. - Students to assess the ways in which CPD and lifelong learning support employment progression. - Students to examine the role of professional bodies and routes into employment.					
23	WC 03/03/2025	LO 4	Topic: Employment progression Presentation on employment progression. Students to evaluate the ways in which education, training and CPD are used to build leadership and management capacity in construction organisations.	T D GW CE WS PowerPoint	IWB C HandoutIT	C IT WWO PS	Quiz Q&A Discussion Group Work	Enterprise and ESDGC: Develop progression pathways that include training on sustainable construction methods and materials, aligning career advancement with environmental responsibility. Equality and Diversity: Establish clear, unbiased promotion criteria that focus on skills and performance rather than personal characteristics.
24	WC 10/03/2025	LO 3 & 4	Issue Assignment 2. Students are introduced to the assessment process for the unit, revisit learning outcomes and criteria.	T WS Assignment Ref	C WS	IOLP PS	Assignment Ref Discussion	Development of research skills Develops an understanding of choices and decisions

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			Discussion of submission requirements for the unit.					Development of academic writing skill.
25 -28	WC 17/03/2025 - WC 07/04/2025	LO 3 & 4	Topic: Assignment 2 – Independent study & support sessions Students, working individually, begin to identify resources required in relation to their proposed project. Submit Assignment 2.	T CE WS Assignment Ref	C WS	IOLP PS	Assignment Ref Discussion	Development of research skill. Develops an understanding of choices and decisions Development of academic writing skills
29-30	WC 28/04/2025 & WC 05/05/2025	LO 3 & 4	Topic: Provide assignment 2 feedback. Tutor to begin to provide feedback to assignment 2 submissions.	T D	C IWB	C IT WWO PS	Assignment Ref Discussion	Develops an understanding of choices and decisions Treat all students' submission equally and fairly.
31-32	WC 12/05/2025 & WC 19/05/2025	LA A -D	Topic: Assignment Resubmissions- Independent study & support sessions Students, working individually, begin to identify resources required for their resubmission. Students may meet with their tutor, individually or in groups,	T D GW CE WS PowerPoint	C IWB	C IT WWO PS	Assignment Ref Discussion	Development of critical thinking skills Development of research and literacy skills. Develops an understanding of choices and decisions

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			to discuss their feedback on previous submissions and receive advice in support of developing the final assignment report. Resubmit Assignments					
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