MODULE SPECIFICATION

Part 1: Information			
Module Title	Principles of Sustainable Design		
Module Code	UBLLWV-30-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	Architecture and the Built Environment
Department	FET Dept of Architecture & Built Environ		
Module Type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
Educational Aims: In addition to Learning Outcomes, the educational experience may explore, develop, and practise but not formally discretely assess the following Working as a team member Drawn and verbal presentation skills Advanced CAD/BIM **Outline Syllabus:** Fundamental Principles: Historic and architectural context Design theories and aesthetics Function, form and style

Analysis of users requirements, briefing
Functional appraisal and design
Structural appraisal and design
Environmental appraisal and design
Design methodology
Management of the design process
Design guides
Urban design
Housing design
Access for the disabled
Loading: structural layout and load paths
Sustainability issues and design principles
Professional ethics

Application:

Drawing and sketching
Introduction to CAD and BIM
Design and detailing of simple building types
Planning applications, design and access statements

Teaching and Learning Methods: Early weeks of the module in particular are devoted to skills development utilising online lectures, tutorials, recorded material and interactive online activities with some face to face delivery supplementing the overall learning to help students engage with what is to follow.

The remainder of the first semester covers theoretical aspects of design to prepare students for summative assessment at the end of the semester, mainly delivered by online lectures and tutorials with directed learning.

Teaching in the second semester focuses on the practical application of theoretical issues covered in the first semester using a specific project as the teaching and learning vehicle, comprising a mixture of online and face to face workshops and design studios

Scheduled learning includes online lectures, seminars, tutorials, project supervision, demonstration of through practical online classes and some face to face workshops. Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion etc.

Part 3: Assessment

The assessment strategy seeks to integrate the strands of knowledge and to introduce the students to formal academic writing. There are three distinct sections:

Component A - Relates to development of essential building surveying, measuring, recording and sketching skills and is assessed by an individual summative assessment in the form an online assignment .

Component B – Element 1. Is based on the skills explored and examined in the sessions in Semester 1. These build to form a portfolio of work which reflects the development and application of these skills accordingly to typical situations that are faced in practice.

Component B – Element 2. Relates to the project work undertaken in semester 2.
Formative assessment will be based on in class critique sessions, where students will be required to communicate their design ideas and respond to criticism from staff and peers, to then produce a final portfolio of work to graphically demonstrate their response to the design brief.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**

Online Assignment - Component A		25 %	An individual time controlled online assessment undertaken via the blackboard assignment tool.
Portfolio - Component B		30 %	Skills portfolio
Portfolio - Component B	✓	45 %	Project portfolio
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Online Assignment - Component A		25 %	Time controlled assessment via the blackboard online assignment tool.
Portfolio - Component B		30 %	Skills portfolio
Portfolio - Component B	✓	45 %	Project portfolio

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	**Reference**
Explain the principles of measured and level surveys and produce drawings by hand or CAD	MO1
Identify the sustainability and environmental context in which design is undertaken	MO2
Demonstrate the relationship between external influences on design and the resultant function, form and style of buildings	MO3
Identify the links between site, structure, environment,sustainability, fabric and the user's requirements	MO4
Elicit a design brief from building users	MO5
Apply the fundamental BIM principles and concepts of design to a range of simple building types	MO6
Describe the function of key structural elements in domestic and simple framed construction	MO7
Undertake detailed design appraisal of selected elements of construction recognising and relating to professional ethics accordingly	MO8

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	75
Total Independent Study Hours:	75
Scheduled Learning and Teaching Hours:	
Face-to-face learning	225

	Total Scheduled Learning and Teaching Hours:	225
	Hours to be allocated	300
	Allocated Hours	300
Reading List	*The reading list for this module can be accessed via the following link:* https://uwe.rl.talis.com/modules/ubllwv-30-1.html	

Part 5: Contributes Towards
This module contributes towards the following programmes of study: Building Surveying [Sep][FT][Frenchay][3yrs] BSc (Hons) 2020-21 Building Surveying [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21 Construction Project Management [Sep][FT][Frenchay][3yrs] BSc (Hons) 2020-21 Construction Project Management [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21 Building Surveying [Sep][PT][Frenchay][5yrs] BSc (Hons) 2019-20 Building Surveying {Apprenticeship} [Sep][PT][Frenchay][5yrs] BSc (Hons) 2019-20 Building Surveying {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2019-20 Building Surveying {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20 Construction Project Management [Sep][PT][Frenchay][5yrs] BSc (Hons) 2019-20 Construction Project Management {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20 Construction Project Management {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2019-20