



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Foundation Project in Sustainability		
Module Code	UBLMY6-15-0	Level	Level 3
For implementation from	2018-19		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Architecture and the Built Environment
Department	FET Dept of Architecture & Built Environ		
Contributes towards	Product Design {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2018-19 Interior Architecture (International) {Foundation} [Sep][SW][Frenchay][6yrs] BA (Hons) 2018-19 Architecture and Planning {Foundation} [Sep][FT][Frenchay][5yrs] BA (Hons) 2018-19 Interior Architecture (International) {Foundation} [Sep][FT][Frenchay][5yrs] BA (Hons) 2018-19 Creative Product Design {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2018-19 Creative Product Design {Foundation} [Sep][SW][Frenchay][5yrs] BA (Hons) 2017-18 Product Design {Foundation} [Sep][SW][Frenchay][5yrs] BA (Hons) 2018-19 Interior Architecture {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2018-19 Architectural Technology and Design {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19 Architectural Technology and Design {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2018-19 Interior Architecture {Foundation} [Sep][SW][Frenchay][5yrs] BA (Hons) 2018-19 Geography {Foundation} [Sep][FT][Frenchay][5yrs] MPlan 2018-19 Geography {Foundation} [Sep][SW][Frenchay][6yrs] MPlan 2018-19		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

**Part 2: Description**

**Overview:** This module is an introduction to sustainable design. It outlines key environmental challenges that we face and explores the sustainable design methods being developed in response.

**Educational Aims:** See Learning Outcomes

**Outline Syllabus:** Key areas include:

-Minimising waste production

-Principles, application, advantages/disadvantages to society and the environment of minimising waste production throughout the product life cycle using the following 4 Rs:

Reduce materials and energy;

Reuse materials and products where applicable;

Recover energy from waste;

Recycle materials and products or use recycled materials.

-Renewable sources of Energy

-The characteristics, applications and advantages/disadvantages of using the following renewable sources of energy:

Wind energy using turbines and wind farms;

Solar energy using solar cells and photovoltaic cells;

Biomass converted into biofuels for transportation.

-Climate Change

-The responsibilities of 'developed' countries in minimising the impact of industrialisation on global warming and climate change including:

Reducing greenhouse gas emissions e.g. the Kyoto Protocol.

-Moral, Social and Cultural issues

-The strategy, characteristics, applications and advantages/disadvantages of the following value issues when designing and manufacturing products:

Built-in obsolescence in new products for a 'throwaway' culture;

Offshore manufacture of mass-produced products in developing countries by multinational companies.

**Teaching and Learning Methods:** Scheduled learning includes lectures with tutorial sessions constituting an introduction to contemporary environmental challenges and their potential impacts upon society. Case studies exploring the use of various sustainable design tools used alongside relevant resources from current affairs.

Group discussions and tutorials will explore moral, social cultural issues.

Independent learning includes engagement in problem solving and preparation of tutorial questions and assignment preparation.

Contact Hours

Contact: 36

Assimilation and skill development: 50

Coursework: 64

Total: 150

## STUDENT AND ACADEMIC SERVICES

Part 3: Assessment			
The assessment strategy in this project module is based upon the analysis of information and data and the development and communication of opinions relating to global issues and the human response to them.			
Component A is made up of two projects. The individual project is focussed upon research informing wider debate, discussion and communication in the second group project. The group project encourages a considered proposal in response to a given challenge.			
First Sit Components	Final Assessment	Element weighting	Description
Project - Component A	✓	50 %	Individual project
Group work - Component A		50 %	Group project
Resit Components	Final Assessment	Element weighting	Description
Project - Component A	✓	100 %	Individual project

Part 4: Teaching and Learning Methods		
Learning Outcomes	On successful completion of this module students will be able to:	
	<b>Module Learning Outcomes</b>	
	MO1	Show an understanding of contemporary environmental challenges and the implications of individual threats
	MO2	Explain the meaning of sustainable design and appreciate the interrelationships between the social, economic and environmental issues
	MO3	Show an understanding of different approaches that could be taken to create sustainable solutions including behaviour change, materials and processes and distribution, energy consumption and resource management and efficiency
	MO4	Have an overview of the historical context and its influence upon contemporary policies and public understanding
	MO5	Research, select, evaluate, manipulate and manage information relevant to the analysis and synthesis of sustainable design solutions
Contact Hours	<b>Contact Hours</b>	
	<b>Independent Study Hours:</b>	
	Independent study/self-guided study	114
	<b>Total Independent Study Hours:</b>	114

STUDENT AND ACADEMIC SERVICES

	<b>Scheduled Learning and Teaching Hours:</b>	
	Face-to-face learning	36
	<b>Total Scheduled Learning and Teaching Hours:</b>	36
	<b>Hours to be allocated</b>	150
	<b>Allocated Hours</b>	150
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p><a href="https://uwe.rl.talis.com/modules/ublmy6-15-0.html">https://uwe.rl.talis.com/modules/ublmy6-15-0.html</a></p>	