

Summary Information

Module Code	4558NCCG
Formal Module Title	Introduction to Sustainability
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Module Contacts**Module Leader**

Contact Name	Applies to all offerings	Offerings
Graham Sherwood	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
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Partner Module Team

Contact Name	Applies to all offerings	Offerings
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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)

Offering Code	Location	Start Month	Duration
SEP-PAR	PAR	September	28 Weeks

Aims and Outcomes

Aims	The module will aim to outline the sustainability concept by highlighting the three sustainability pillars, economic, environmental and social aspects, and how sustainable technologies are needed to respond to the climate change issues and the depletion of the natural resources. UN Sustainable Development Goals (SDGs) will be listed and discussed. Case studies will be presented where sustainable materials, energy resources and processes could be proposed to replace main stream unsustainable practice as inspired by SDGs. The impact of such intervention will be explored on the people and the planet.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Demonstrate understanding of sustainability's main pillars and the interaction between them
MLO2	Explain the Sustainability Development Goals as proposed by the UN
MLO3	Demonstrate understanding of sustainable materials, energy sources and processes
MLO4	Demonstrate an appreciation of the impact of sustainable practice on people and planet

Module Content

Outline Syllabus
Climate change issue and its impacts Natural resources depletion Sustainability pillars (economic, environmental, social) Sustainable Development Goals Sustainable energy sources Sustainable processes Sustainable materials Case studies on sustainable practice and its impact on people and planet

Module Overview

Additional Information

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Individual Report	50	0	MLO2, MLO1
Presentation	Group Presentation (Case Study)	50	0	MLO3, MLO4