

**SUMMER
2024
WEEKS 1-3**



Sustainable Development: Case Studies in Liverpool City IEEL017

Credit Value	Delivery	Contact Hours Per module	Self-Directed Hours Per module	Total Hours Per module
5 UoL credit, 2.5 ECTS	On-campus	12-16	34-38	50

Module Leader: Adam Mannis

Lecturer in Construction Management and Engineering Sustainability in the School of Engineering. Adam teaches Sustainable Development as a global and interdisciplinary topic, using real examples (outside the classroom) for ISS students to compare with the situation in their own countries, cities and campuses.

Module Description

This module uses the United Nation's Sustainable Development Goals 2030 (as an analytical framework), and also the city of Liverpool (as a practical classroom, termed "living lab"), to explore and visit case studies of sustainability that are taking place in different urban projects. The topic of sustainable development can often be taught too theoretically, at times lacking a global context, and regularly without connecting it to individuals – however, this module overcomes all those obstacles, by teaching in a different, creative and fun way.

Seminars will provide the background to local projects that students will visit, as well as a discussion of the learning objectives of each visit. Students will then be given a structured question set for each of their practical visits, to ensure that they take full advantage from learning outside the classroom. The final outcome will be a group-based presentation of personal insights and real-life leadership gained.

Staff involved in sustainable development at the University, in partnership with others who lead a variety of projects in the city of Liverpool, are keen to share their experiences with students on the International Summer School, by showcasing real examples of what they have designed and delivered.

Module Aims:

To use active learning approaches to evaluate the societal, environmental and financial impacts of global challenges in terms of sustainable development goals.

To provide opportunities to learn about the culture, life and people of the UK by exploring the topic of sustainable development through working on case study projects that are located near the University within the City of Liverpool.

To develop confidence in understanding and communicating cross-disciplinary ideas in different formats to diverse audiences.

To improve skills in research and collaborative learning.

Content

The following topics will be considered on the module:

The United Nation's Sustainable Development Goals 2030 and other associated analytical tools.
The urban environment as a real-life resource for understanding sustainable development in-action.

Case studies of sustainable development in the city of Liverpool involving a diverse range of local people.

Comparable internationally examples of sustainable development that are taking place in other countries.

Communication mechanisms for sustainable development plans.

Production of a presentation of leadership reflections and lessons learned towards a wider group outcome.

Module Structure

The module will be delivered over a three-week period in six two-hour sessions (four hours per week, total 12 hours contact time). The final 2 sessions will be for assessment.

In addition, it is expected that students will spend 34-38 study hours outside of the classroom contact hours on activities including assigned reading, optional reading of areas of personal interest, homework tasks, web research and preparation for assessment. Students should be aware that in order to fully benefit from the face-to-face classroom sessions, they will need to have done the preparation work assigned beforehand.

Teaching Methods

The teaching approach will include the following:

Taught sessions
Small group working
Group discussions
Presentations
Site visits and team interactions

Assessment:

Group presentation (15 minute)
Multi choice/short answer questions (2 x 10 questions)

Standard University policies apply with regard to late submission of assessments

Learning Outcomes:

On completion of this module, students will be able to:

Learning outcome	Assessment component which assesses this learning outcome
Extract, summarise and evaluate information from a range of resources.	Group presentation (15 minutes) Multi choice/short answer questions
Understand and communicate complex ideas in written and spoken language.	Group presentation (15 minutes)
Research a topic and work collaboratively in this research to produce a piece of work based on research.	Group presentation (15 minutes)

Skills:

Key skills that will be developed:

Skill	How this skill is developed	Mode of assessment
Collaboration and Teamwork	Group discussions, activities and tasks in class & collaborative research supplemented by real-life project visits to the city of Liverpool.	Group presentation (15 minutes)

Communication	Orally in group discussions, activities and tasks in class, in writing by production of assessed assignment.	Group presentation (15 minutes) Multi choice/short answer questions
Synthesising complex information	Site visits and team interactions. Presentation of group work.	Group presentation (15 minutes)

Books, ebooks and websites:

The University Website at www.liv.ac.uk/library provides access to many relevant books and electronic books, as well as academic journals and databases.

Recommended Pre-Course Reading:

Liverpool City Council (2015) Mayor of Liverpool's Commission on Environmental Sustainability
<http://liverpool.gov.uk/media/8806/mayoral-commission-on-environmental-sustainability-final-report-march-2015.pdf>

World Bank Group (2015) What Makes a Sustainable City?
<http://pubdocs.worldbank.org/en/698311444321631760/World-Bank-What-Makes-a-Sustainable-City.pdf>

Useful websites:

<http://www.un.org/sustainabledevelopment/development-agenda/> – (United Nations: UN Sustainable Development Goals 2030)

https://en.wikipedia.org/wiki/Sustainable_Development_Goals – (Wikipedia: Sustainable Development Goals)