

Life Cycle Assessment (CEGE0059)

Description

Life cycle assessment (LCA) is a rapidly evolving tool used to model and quantify impacts of products, systems, or services over a range of environmental and resource issues, from a "cradle to grave" systems perspective. In the recent years, LCA has become a leading environmental assessment technique used by consumers, industry professionals, and policy makers. LCA is increasingly required by business to support innovation, design, eco-labelling and green certificates etc.

An LCA models a product, service, or system life cycle. Applying this method of assessment is complex and difficult and translating the theory into a credible, transparent and applicable practice can be very challenging. The module aims to give an introduction to life cycle assessment (LCA) methods and how to apply them in real-life situations.

Learning Outcomes

In the first part of this course, you will develop a solid understanding of the process, data requirements and how to make use of the results. In the second part of this course, you will learn how to apply systems thinking and LCA to assess environmental dimension of the circular economy. You will learn how to conduct an LCA through a range of case studies and hands-on exercises.

Key information

Year	2019/20
Credit value	15 (150 study hours)
Delivery	PGT L7, Campus-based
Reading List	View on UCL website
Tutor	Dr Aiduan Borrion
Term	Term 2
Timetable	View on UCL website

Assessment



- Group coursework: 40%
- Coursework: 60%

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

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