

COURSE DETAIL

LIFE CYCLE ASSESSMENT

Country

Ireland

Host Institution

University College Dublin

Program(s)

University College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

156

UCEAP Course Suffix**UCEAP Official Title**

LIFE CYCLE ASSESSMENT

UCEAP Transcript Title

LIFE CYCL ASSESSMNT

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course introduces the principles and methods of life cycle thinking and life-cycle assessment (LCA) with specific reference to agriculture, food, and energy systems using attributional LCA. The course is based around the ISO 14040 methodology and ILCD handbook. It focuses on the four common stages of LCA: definition of the Goal and Scope; Life Cycle Inventory Analysis; Life Cycle Impact Assessment, and Interpretation. Case studies consider LCA studies of agriculture, food, and energy systems.

Language(s) of Instruction

English

Host Institution Course Number

BSEN30360

Host Institution Course Title

LIFE CYCLE ASSESSMENT

Host Institution Course Details

https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=BSEN30360

Host Institution Campus

University College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering & Architecture

Course Last Reviewed

2024-2025

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