

# 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](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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