

COURSE DETAIL

LIFE CYCLE ASSESSMENT

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

104

UCEAP Course Suffix**UCEAP Official Title**

LIFE CYCLE ASSESSMENT

UCEAP Transcript Title

LIFE CYCLE ASSESMENT

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers the methods used to assess the environmental impact of products from a life cycle perspective. The central topic is Life Cycle Assessment (LCA), a method with which the environmental impacts of products are assessed starting from resource extraction and ending with waste management. The course addresses theoretical foundations of this method and developments in the methodology, including examples and case studies. Students learn LCA principles, the methods used, and recent developments in LCA methodology. Students apply LCA with computer tools and using LCI databases. They conclude their own LCAs and critically review existing LCA studies.

Language(s) of Instruction

English

Host Institution Course Number

GEO3-2124

Host Institution Course Title

LIFE CYCLE ASSESSMENT

Host Institution Campus

Geosciences

Host Institution Faculty

Host Institution Degree

Host Institution Department

Sustainable Development

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