

COURSE DETAIL

INDUSTRIAL ENVIRONMENTAL MANAGEMENT

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Civil Engineering Business Administration

UCEAP Course Number

152

UCEAP Course Suffix**UCEAP Official Title**

INDUSTRIAL ENVIRONMENTAL MANAGEMENT

UCEAP Transcript Title

INDUSTRIAL ENV MGMT

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Pollution prevention solutions are attractive both to society in general and to industry but require knowledge in the fields of processes, products, and management in modern business organizations. The course explores solutions that use technical as well as managerial tools and methods. The course reviews the key aspects of process integrated environmental protection, including technical strategies to increase efficiency in water-energy- and material flows (exploring methods such as monitoring, maintenance, cleaner technology, process modification, on-site recycling, good housekeeping) and environmental management (including supply chain management and an introduction to current environmental management standards such as ISO 14000). Product related issues constitute a central part of the course looking into life cycle analysis, eco-design, and eco-labeling. The course also takes a wider perspective at industrial development and the engineer's role and responsibility to work with industry to reduce environmental impacts. The course consists of lectures in combination with seminars, exercises, and a major assignment.

Language(s) of Instruction

English

Host Institution Course Number

KIIF01

Host Institution Course Title

INDUSTRIAL ENVIRONMENTAL MANAGEMENT

Host Institution Campus

Lund

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

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