

COURSE DETAIL

SUSTAINABLE RESOURCE USE

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

123

UCEAP Course Suffix**UCEAP Official Title**

SUSTAINABLE RESOURCE USE

UCEAP Transcript Title

SUSTINBL RESORC USE

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces students to the sustainability challenges around renewable and non-renewable resource use, the key underlying concepts of sustainable resource use, and the methods for analyzing these challenges and their proposed solutions. The course focuses on different kinds of resources, their use for different applications and sustainability impacts. A deeper investigation of resource production and consumption is important because of the elemental role resources have played in historical development of humankind, our current lifestyles and the current state of the environment. This course addresses non-energy applications of resources. The course also addresses methods and tools to assess resource use and impacts at different scales (e.g. material flow analysis of a company and how technological innovation can change the flows), approaches for achieving more sustainable resource use through governance stimulated innovation (e.g. top-runner approaches in economic sectors), and perspectives of different stakeholders on what constitutes sustainable resource use (e.g. consumers, producers, NGOs, governments).

Language(s) of Instruction

English

Host Institution Course Number

GE03-2421

Host Institution Course Title

SUSTAINABLE RESOURCE USE

Host Institution Campus

Utrecht University

Host Institution Faculty

Geosciences

Host Institution Degree

Host Institution Department

Sustainable Development

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