# COURSE DETAIL

| SUSTAINABLE RESOURCE USE |
| --- |
| **Country**<br>Netherlands |
| **Host Institution**<br>Utrecht University |
| **Program(s)**<br>Utrecht University |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Environmental Studies |
| **UCEAP Course Number**<br>123 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>SUSTAINABLE RESOURCE USE |
| **UCEAP Transcript Title**<br>SUSTINBL RESORC USE |
| **UCEAP Quarter Units**<br>6.00 |
| **UCEAP Semester Units**<br>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**
GEO3-2421

**Host Institution Course Title**
SUSTAINABLE RESOURCE USE

**Host Institution Course Details**
https://osiris-student.uu.nl/onderwijscatalogus/extern/cursus

**Host Institution Campus**
Utrecht University

**Host Institution Faculty**
Geosciences

**Host Institution Degree**

**Host Institution Department**
Sustainable Development

**Course Last Reviewed**
2024-2025

Print