

SUSTAINABLE DESIGN: ECOLOGY, CULTURE AND HUMAN BUILT WORLDS 7.5 ECTS

How can an interdisciplinary approach to design unlock new creativity and beauty? How can different design solutions in nature serve as a model for new human made designs? And what are the limits of human ingenuity and creative design?

This course looks at design from an interdisciplinary, critical and philosophical perspective, with focus on different theories and models that turns present conventions of design on its head. With inspiration from ecology and nature, and in-depth discussion of how cultural conditions define human perceptions of the environment, the course tries to reach practical conclusions on how creative design can contribute to a sustainable and better world. The course combines interactive workshops with inspiring guest lectures.

Welcome to Sustainable Design : Ecology, Culture and Human Built Worlds 2019 at CEMUS, Uppsala University.

We look forward to meeting you soon.

Isabel Baudish & Daniela Ceder

Course Coordinators

COURSE REGISTRATION

To admitted students:

If you want to take the course register at www.studentportalen.uu.se, which you can do from December 31, 2018 until January 20, 2019. The registration is the only action needed (the course doesn't have a roll-call).

Students admitted with conditions:

Bring documents that confirms that you have fulfilled the requirements at the start of the course.

If you don't fulfil requirements at the start of the course and want to discuss this contact Director

of Studies CEMUS. **COURSE INTRODUCTION**

The course introduction will take place during the first session on **Wednesday January 23rd at 17:15**. We will meet in the room **Norrland I located in Geocentrum**, street address Villavägen 16. Please see the map below for directions.

If you have decided not to take the course, please notify us by sending an email to sdesign@cemus.uu.se so we can accept someone from the waiting list.

COURSE STRUCTURE

- A preliminary schedule is available on Studentportalen and the course website at: <http://www.web.cemus.se/sdesign/>. A final schedule will be uploaded to Studentportalen one week before the course start.
- The course consists of engaging lectures and seminars. Lecturers will be delivered by a number of different guests from academia and industry, discussing sustainable design from a variety of different perspectives. During seminars we will take a closer look at topics from lectures and the literature, work through the design process and apply design methods to solve today's sustainability challenges.
- The classes will take place on **Wednesday evenings 17:15-20**. The course will start week 4 and run through to week 23.

LITERATURE

Mandatory literature for the course includes the following:

Design for the Real World: Human Ecology and Social Change – By Victor Papanek

Paperback, completely revised Second Edition, 394 pages, Published by Academy Chicago Publishers (first published 1972). Please note: If you can better access the first edition of the book this will be sufficient as well.

Online Course Compendium:

The reading material listed in the Literature Overview will be provided on Studentportalen one week before course start. Course Coordinators will suggest readings for each class. It is comprised of selected articles and media, from books, academic journals, design handbooks, and other sources. Most guest lecturers have also recommended articles to include in this collection. This compendium will be posted on Studentportalen with hyperlinks for videos and articles.

EXAMINATION

As stated in the syllabus <http://www.uu.se/utbildning/utbildningar/selma/kurser/?kKod=1MV076&typ=1>:

The student is examined through written assignments before and active participation in seminars (3 credits) and at the end of the course through written and oral presentation of a project work (4.5 credits).

The examination will evaluate the following learning outcomes:

- *account for different theoretical design principles and models for sustainable design;*
- *account for and critically relate to sustainable design from an ethical, cultural and historical perspective;*
- *critically review different design solutions ecological, social and economical consequences;*
- *independently apply a specific design theory on a specific challenge within the sustainability field.*

3 credits - [Pass-fail]

Written preparation before seminars

All written preparation tasks should be completed as part of the examination requirement by **Friday June 7th 2019, 17:00.**

Active Participation in ‘Seminars: Mandatory’ will be based on attendance at the following sessions:

Wednesday February 20th 2019, 17:15-20:00.

Wednesday April 17th 2019, 17:15-20:00.

These two seminars are mandatory - If you miss one or both of these mandatory sessions there will be a re-seminar held on the **June 5th 2019, 17:15-20:00.**

4.5 credits

Written project work (Graded 3,4,5) due June 7th 2019, 17:00

Presentation of project work May 29th, 2019

There is a deadline for all outstanding work on **Friday June 7th 2019, 17:00.**

The deadline for supplementary submissions on **Friday 23rd August 2019, 17:00.**

COURSE TEAM

Course Coordinators

Isabel Baudish, aka Izzie, grew up in Sydney, Australia and studied a combined Bachelor of Renewable Energy Engineering and Development Studies at the University of New South Wales. After an exchange in Uppsala she decided to return for her masters, studying Entrepreneurship at Uppsala and working at CEMUS.

Daniela Ceder, aka, Dani, is an international kid, with roots nowadays mainly in Sweden and Mexico. She has a bachelor's degree in International Relations from University of Southampton, and is currently doing her Masters in Sustainable Development here at Uppsala. She has a very varied background academically, dabbling in architecture, engineering physics and behavioural psychology. She has had the opportunity to also work in one way or another with all these topics.

Course Resource Person

Andrew Gallagher, Vikatriat Educational Coordinator at CEMUS, will be supporting the course by managing administration and examinations.

CONTACT INFORMATION

Feel free to contact us regarding any aspect of the course, either in person or by the following:

Course Email	sdesign@cemus.uu.se
Isabel Baudish	isabel.baudish@cemus.uu.se
Daniela Ceder	daniela.ceder@cemus.uu.se 0739053738
Andrew Gallagher	andrew.gallagher@cemus.uu.se
Website	http://www.web.cemus.se/sdesign/

Visit us at CEMUS, Geocentrum, Villavägen 16, Uppsala
Telephone: 018-471 27 95 <http://www.web.cemus.uu.se>

CEMUS

CEMUS' aim is to advance and inspire education and knowledge within the field of environment and development studies, as well as other boundary-transcending issues connected to sustainable development. CEMUS began as an initiative by students in the early 90's and CEMUS courses are, in large part, still run by students today. The courses at CEMUS are built in collaboration between students, course coordinators, teachers, researchers, university administrators and societal actors.

CEMUS' primary point of departure and approach is based on what has become known as Education for Sustainable Development (ESD). Through democratic, realistic and extensive work modes, this teaching method strives to motivate students to heighten their critical thinking skills, as well as encourage responsibility and engagement in the issues of sustainable development.

This Spring, CEMUS Education kicks off with an inspiring opening talk with Jan van Boeckel, from **18.15-20** on **Monday 21st January** in **Hambersalen, Geocentrum**. All are welcome to attend.

Please visit the CEMUS website for more information on current and upcoming events (www.web.cemus.se).

PRACTICAL INFORMATION

Information Flow

The main communication tool will be Studentportalen: studentportalen.uu.se. You will need to visit Studentportalen regularly to check for updates on the bulletin board, course content and to upload your assignments. If you have missed a class you should visit the webpage to make sure you have not missed any important information. You will need an account for Studentportalen, so please arrange an account as soon as possible! You can find out how you get your account and other information on uu.se/en/students.

Other information can be found on the course website <http://www.web.cemus.se/sdesign/>

Class Location

The majority of classes will be held in Norrland I, located in Geocentrum, street address Villavägen 16. However, there may be some exceptions so please check the schedule to be aware of this. A map is included below.

Access to CEMUS and other Facilities

CEMUS itself is open between 9:00am and 15:30pm, Mondays to Fridays. If you want to study in the library outside these hours or during weekends, you need a **key card**. The key card also gives access to the main Geocentrum entrance, which is locked after 17.00 and before 08.00. As a **new student** you need to have a current course registration to obtain a campus card. You also need to activate your user account beforehand, to be able to receive the email containing campus card instructions.

Information on how to activate your user account can be found at <https://konto.weblogin.uu.se/index.html>. The instruction message is usually sent out 24 hours after the activation, but sometimes it can be delayed a further day. Instructions on how to obtain your campus card will be sent to the email address registered to you in the student database. Once you have ordered the card according to the instructions, you will be notified via email when your card is available for pickup at your campus reception desk. When you collect the campus card you will need to show an approved identification (driver's licence, passport etc).

In the CEMUS library you will find literature related to environment and development issues, magazines, journals and other publications, such as master and doctoral theses. You can also have a cup of coffee from library self-service "café", slouch in the sofas and read the course literature. The library is a shared space for staff, coordinators and students – please respect the guidelines posted in the library to ensure a pleasant work and study environment for all. It is possible to book the library for CEMUS-related activities, however, educational activities such as seminars have precedence. All the course literature for CEMUS courses is available there, including several shelves of reference books. These may **only be read inside the library**, and are not to be taken home. There are also books that can be borrowed through the Geocentrum Library, located down the hall from CEMUS.

Map with Important Locations

