

Sustainable Design

Ecology, Culture and Human Built Worlds 7.5 credits

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? And what is design itself? How can we get inside the design process to understand it and even begin designing the future we want?

Welcome to Sustainable Design 2018 at CEMUS, Uppsala University. With this course we take a journey into design as a field, as a concept, and as an activity. We ask what the term 'design' means today. With inspiration from ecology and nature, and through analyzing the impact of design on society, economy and environment, the course aims to reach practical conclusions on how creative design can contribute to a more sustainable world. Most important of all, you will also have the opportunity to apply design concepts and processes yourself!

We at CEMUS welcome you to our creative and challenging education that deals with some of the most pressing issues of our times. We hope that you will find your time here exciting, productive and inspiring. With over twenty years of experience of creating and facilitating education for sustainable development, and with the broad competence of Uppsala's two universities, our aim is to offer you the knowledge, skills and tools that are needed to obtain a world that is desirable, fair and sustainable.

We look forward to meeting you all soon!

Isabel Baudish & Daniela Ceder

Course Coordinators

COURSE REGISTRATION

1. If you have applied through www.antagning.se or www.universityadmissions.se please ensure that you accept the course by the latest **December 19th**. Online registration then has to be done through <https://studentportalen.uu.se>. Login details are found in an email from Uppsala University. You need to register online by latest **January 10th**.

2. International exchange students that did not apply through www.antagning.se. You have no online registration so just ensure come to the **Mandatory** Course Introduction (see below).

You can find out more information about course registration here <http://www.web.cemus.se/vt2018/>

MANDATORY COURSE INTRODUCTION

Mandatory Course Introduction will take place during the first session on **Wednesday, January 17th at 17:15**. We will meet in the room **Smålands, Geocentrum**, street address Villavägen 16. Please see the map below for directions. You will have to attend in person (unless you have a valid reason) and remain active throughout the course, otherwise you will lose your place in the course.

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

LEARNING OUTCOMES

On completion of the Sustainable Design course, the student should be able to;

- account for different theoretical and applied 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 economic consequences, risks, possible uses and functions in the work for a sustainable development;
- account for different phases in the design process;
- independently apply a specific design theory on a specific challenge within the sustainability field.

COURSE STRUCTURE

- A preliminary schedule will soon be available on Studentportalen and the course website at: <http://www.web.cemus.se/sdesign/>. The schedule from last year's course can still be found there and will give you an overview of the course, though changes have been made for this upcoming semester.
- The course consists of engaging lectures and workshops. Lecturers will be delivered by a number of different guests from academia and industry, discussing sustainable design from a variety of different perspectives. During workshops 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 17-20** with occasional variations, such as field trips. It will start in mid January and run till the end of May.
- As the course progresses, you will be given several individual assignments to complete and a larger sustainable design group project. More information about these assignments and examination will be presented in class and posted on Studentportalen as the course progresses.

LITERATURE

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

A collection of literature by various authors. 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 throughout the course so be sure to check it regularly.

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

Malin Östman, 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

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Malin Östman malin.ostman@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. In January 2007, CEMUS joined the Uppsala Center for Sustainable Development (CSD Uppsala) in conjunction with Uppsala University and SLU, the Swedish University for Agricultural Sciences. 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 open lecture to celebrate the year. We strongly encourage your attendance at this event.

This Spring, CEMUS Education kicks off with an inspiring opening talk, **18-20 on Monday 15th January in Hambersalen, Geocentrum**. The talk will be given by Anneli Ekblom, director of CEMUS and also Senior lecturer at Department of Archaeology and Ancient History. The topic of the talk will be 'Remember how to organise' - A reflection in times of turmoil.

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, changes in the schedule, 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 **Smålands, Geocentrum**, street address Villavägen 16. However, there will be some exceptions so please check the schedule regularly to be aware of this.

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 e-mail 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 a delayed a further day. Instructions on how to obtain your campus card will be sent to the e-mail address registered to you in the student database. Once you have ordered the card according to the instructions, you will be notified via e-mail 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

Map with important locations:

