

Course title:

Ecosystems of 2080: Designing with Nature for a Resilient Future



Image credits: Brain Traffic

Course instructors: Malu Lucking, Kovács-Nagy Ferenc

Course code:

B-KH-201-IK-242502-01

M-KH-201-IK-242502-01

M-KH-E-201-IK-242502-01

Course description:

This is a pre-course strongly recommended for everyone who would like to participate in the KFI course *Biodesign Challenge*.

In this course, we'll explore the ecosystems of the year 2080 and investigate how climate change has transformed our forests, lakes, cities, and oceans. Guided by scientific predictions and existing environmental data, you'll work in teams to develop future scenarios that illustrate the challenges these ecosystems face and the potential solutions they inspire. We'll examine how we might collaborate with living organisms to address environmental issues and how nature can inspire innovative, sustainable solutions. Through biodesign methodologies and practices, you'll envision new ways of co-designing with natural systems for a better future. You will also get the chance to experiment with living systems in our Biolab –growing algae, designing with fungi and learning about positive bacteria.

By the end of the week, you'll have created a story of the future, represented through the medium of your choice—whether a landscape model, written narrative, virtual

reality, lab experiments or other forms. This course is ideal preparation for the Biodesign Challenge, though it stands as a unique and complete experience on its own. Join us to envision a future shaped by ecological resilience and the potential of nature-based design.

The course is open to students from all departments, for MA as well as BA courses.

Application

Number of participant: 12

Schedule:

Outcome:

A comprehensive study transformed into a future climate & solution model in any form of media (such as a physical model, written document, or digital format).

Prerequisite for completing the course (please underline):

(The course is a criterion subject, it has no credit value, it ends with a signature)

Course recommendation:

It is for you if you want to participate in the BDC KFI course, are curious about the future of our planet, and interested in how climate change could reshape ecosystems. If you're excited to explore nature-inspired solutions, collaborate with living systems, and experiment with materials like algae and fungi in a Biolab, this course is a great fit.

It is not for you if you're not interested in hands-on projects, storytelling, or working in multidisciplinary teams.

Readings:

Earthlings – imaginative encounters with the natural world by Adrian Parr

The Sixth Extinction: An Unnatural History by Elizabeth Kolbert