

ARCHITECTURE AND ENGINEERING IN THE CONTEXT OF DEVELOPMENT

Summer school 2025

July 14–25, 2025

Prague, Czech republic



This course will guide you through the world of sustainable architecture and construction in developing regions all around the world, with on context of cultural and climatic differences and lack of infrastructure. You will learn to design constructions that are not only functional and resilient, but also environmentally friendly and respectful of local culture, climate, and resources. From traditional building techniques to modern approaches, from selecting appropriate materials to energy-efficient solutions, you will understand how architecture can contribute to community development and improve living conditions.

We will also explore locally available materials such as wood, stone, clay, and bamboo and their use in constructions. We will address challenges in remote regions with limited infrastructure and access to complex technologies.

The course places a strong emphasis on practical skills, so you can look forward to group projects. The skills acquired in this course are transferable to projects in a variety of settings, including those with more conventional circumstances. Consulting on your own projects or ideas is also possible.

Day	Morning session 10:00–13:00	Afternoon session 14:00–17:00
1	General Introduction What is development	Introduction to development: Who are the main actors in development projects
2	How to identify the needs of project recipients	Project: Assignment selection and research of users needs
3	Lecture: Climate and other local conditions and how it affects design	Project: Research on the site condition
4	Lectures: Natural materials	Project: Design – research on available materials and technologies
5	Lectures: Water and sanitation	Workshop: Bamboo as a construction material
0	Free day	Free day/ Guided tour – Prague
0	Free day	Free day
6	Project: Design – sketching	Workshop: Earth as a construction materials
7	Field excursion: Plasy	Field excursion: Plasy
8	Project: Design	Lecture: Working abroad
9	Project: Design – model	Project design – presentation preparation and final consultations
10	Final presentations	Summary and Farewell afternoon

Due to weather conditions, instructor sickness/emergencies, group decisions, etc. changes in the timeline are possible, but all the academic unit should be covered.

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Price: € 1500

Acomodation/other activities recommendations available on request
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