

SUSTAINABLE BUILDING

(ERASMUS)

Short description:

The subject addresses a discussion about developing the health and sustainability of the built environment.

The following topics will be discussed:

- the future of construction
- requirements and indicators of sustainable construction and urban development
- energy-efficient and environmentally-friendly building
- healthy building and environment
- performance-based building
- sustainable and affordable housing
- requirements and indicators of housing quality
- the status, challenges, strategies and priorities in construction research

Examples of best-practice projects from Hungary and other European countries will be presented.

Students should make a detailed study during the semester and can choose about the following topics:

1. Evaluating 3 selected buildings using a given list of indicators of sustainable construction
2. To study and analyse the system of Housing Quality Indicators (HQI) and the application of the HQI system on real projects (three case studies)

Lecture numbers: 7/14

Language: English

The department of subject: Department of Urbanism

Instructor: PhD. Gábor Tiderenczl, associate professor