



SUSTAINABILITY OF THE BUILDING

Course Description

The course introduces student to the concept of sustainability of the buildings giving overview of the concept of the sustainability, sustainability in construction, life building cycle, service life, methods like life cycle assessment, durability and condition building assessment.

Sustainability is of crucial importance today and this course is designed with the aim of rising awareness among young engineers about connections between each step in building process – from design over construction and maintenance to possible reuse.

Course also presents importance and advantages of use of IT software's and BIM methodology.

Course Content

- Sustainability
- LCA
- Durability
- Service life
- Condition building assessment
- BIM

Pre-requisites

- Basic knowledge of building processes

Target group

- Students
- Young professionals

Learning objectives

- Clear understanding of concept of sustainability and sustainability in construction
- Understanding of the links between sustainability – durability – condition assessment - maintenance
- Awareness of importance of durability and maintenance at the early designing stage
- Wider understanding of building processes and their effects on environment, economy, safety and health.



Teachers

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