CIV665 Sustainable Urbanization: Planning, Development, Opportunities, and Challenges

Faculty of Civil and Environmental Engineering - Elective course

Credit: 3 ECTS: 7.5



Course Description: This graduate course examines the principles and practices of sustainable urbanization, exploring how urban planning and development can address pressing environmental, social, and economic challenges. Students will engage with topics such as sustainable infrastructure, urban resilience, smart growth, and sustainable land use. Through case studies and critical analysis, the course highlights opportunities for creating sustainable urban environments and addresses the complexities and challenges of achieving balanced urban growth.

Course Outcomes:

- Understand the principles of sustainable urbanization and its role in modern urban planning.
- Analyze sustainable infrastructure and development practices within urban settings.
- Evaluate the challenges and opportunities related to urban resilience, smart growth, and sustainable land use.
- Apply sustainable planning strategies to urban development projects.
- Assess the social, economic, and environmental impacts of urbanization on communities.
- Propose solutions to mitigate the challenges associated with sustainable urban arowth.