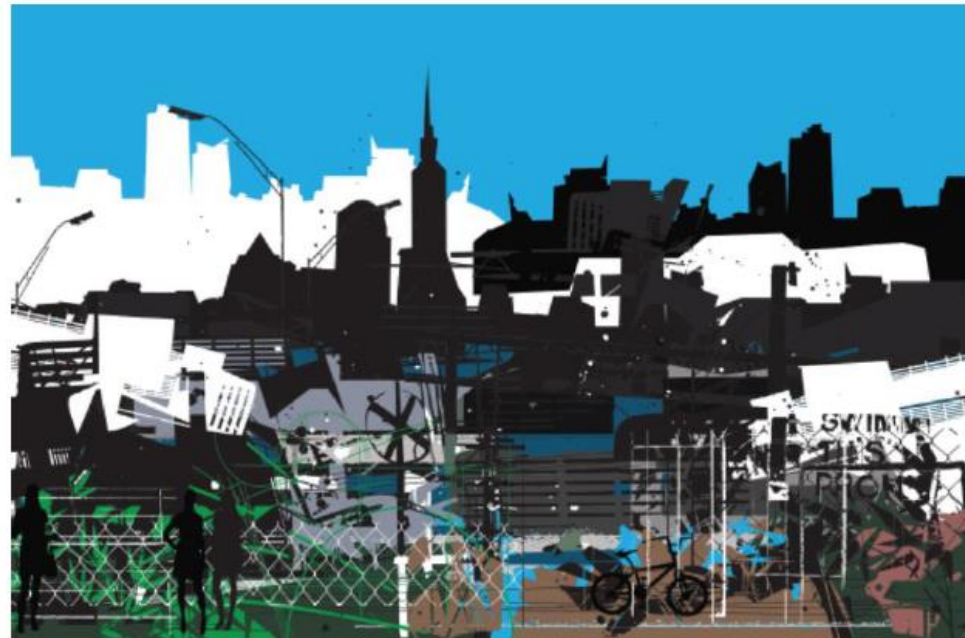


Preliminary programme overview summercourse Smart Sustainable Cities - August 2023 – Utrecht

What does the city of the future look like? Since the beginning of the 21st century the majority of the world population have lived in urban areas. The Summer School course Smart Sustainable Cities discusses how to boost the sustainable development of cities. In almost two weeks, we will dive into several highly relevant themes such as clean air, mobility, waste, energy, health and also innovation, inclusiveness, participation and smart solutions to these issues.

Participants will be introduced into several themes for developing smart sustainable cities. During the course students will be working with the handbook for applied sciences Smart Sustainable Cities (Rietbergen, Velzing & Van Stigt (eds), 2021). In combination with an integral assignment, students will capture theories, methods and tools relevant for analysing Smart Sustainable Cities and developing smart solutions for sustainable challenges within cities.



Assignment: the assignment will be carried out in teams and students will work on a current and actual project in the city of Utrecht. They will apply the models and theory on this project. In addition to the theories learned, with the assignment, participants will present an innovative solution for one of the challenges within the project.

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Monday August 14		Wednesday August 16 09:00-17:00 hr	Thursday August 17 09:00-17:00 hr	Friday August 18 09:00-17:00 hr
Online meet up -Getting to know the students and lecturers -First short introduction on the assignment		Course introduction -Getting to know each other -Introduction on Smart Sustainable Cities -Introduction to the programme Excursion	Systemic Design Thinking -Viewing and structuring the design process by iterations -Double Diamond Model -Involve complex contexts Excursion	Present assignment approach -What is the focus of your assignment? Present a mission statement for your project -show a first visualization Work on assignment and visit project site
Monday August 21 09:00-17:00 hr	Tuesday August 22 09:00-17:00 hr	Wednesday August 23 09:00-17:00 hr	Thursday August 24 09:00-17:00 hr	Friday August 25 09:00-13:00 hr
Circular Economy: Material and Value Flows in Cities -Principles, urgency and relevance -Apply CE on cities -Understand and apply Material Flow mapping -Distinguish and apply circular strategies Work on assignment	Energy & Carbon Accounting -Energy use in cities and energy neutral cities -Understanding and categorizing main sources of energy use and greenhouse gas emissions -energy poverty Work on assignment	Healthy Urban Development -create green and quiet places in areas with urban densification -Have residents participate in design? -Effect on health and wellbeing -Use instruments to scan positive or negative impact Work on assignment	Mobility -Plan, monitor and evaluate mobility projects -Translate general targets into quantifiable goals -Discover how to focus mobility projects on the desired behavioral change Work on assignment	Wrap up & Seminar -Summary of the course -Prepare presentations -Final presentations -Seminar about Smart Sustainable Cities -With external partners Certificates

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