

**SMART SOCIETY PROFESSIONAL
ACADEMY
PRELIMINARY MODULE HANDBOOK
COURSE: URBAN SPACE (UB)
2017**



The modules of the Urban Space course are divided into basic Smart City (SC) modules and functional Urban Space (US) modules. The Urban Space modules will be followed by three On-Site (OS) Best Practice Visits where participants get to experience and master the latest technologies implemented in smart cities. An Applied Project Presentation (APP) can be also taken where the participants can present their own project and get feedback from an expert.

ID	MODULE
SC.0	Introduction to Smart Cities
SC.1	The Complexity of Urban Systems
SC.2	The New Role of Citizens, Industries and Municipalities
SC.3	Innovative vs Traditional Procurement
SC.4	Living Labs
SC.5	Co-Creation Processes
SC.6	Financing the Smart City
SC.7	Openness of Systems
SC.8	Data Governance
SC.9c	Organizational Development in a City
SC.9i	Business with Cities
SC.10c	Smart City Policies
SC.10i	Digital and Data-Driven Business Models
US.1	Smart Lighting
US.2	Green Infrastructure and Nature-Based Solutions
US.3	Monitoring Environment & Connectivity
US.4	Connecting Things
US.5	Crowd Control and Security
US.6	Digital Citizen Interaction and Augmented Reality
US.7	Sensing Mobility in Urban Space
US.8	Smart Water Infrastructure
US.9	Mixed Use of Urban Space
OS.1	On-Site: Smart Lighting
OS.2	On-Site: Public Sensing and Smart Water Infrastructure // Design Exercise Part 1
OS.3	On-Site: Public Sensing and Nature Based Solutions // Design Exercise Part 2
APP (opt.)	Applied Project Presentation (+500 EUR)

GENERAL MODULE STRUCTURE

The module structure of each module is identical and starts with providing a theoretical foundation. Afterwards the insights are extended and made applicable through case studies starting to convey transferable knowledge. Practical recommendations and take-aways of an expert round up the self-study contents provided via the iAcademy App. At the end of each week a live webinar with experts will provide the participants with the opportunity to get additional first-hand insights into practical knowledge of implementers including a one-hour discussion. At the end of each module the participants hand-in a 0.5 page transfer and reflection paper to prove their understanding. Exchange between participants will be promoted throughout the module e.g. in form of discussions on the file-sharing at interaction platform.

Theoretical Foundations

Topic Introduction & Definitions
Overview & Potential

Practical Foundations

Case
Study I

Case
Study II

Case
Study III

Recommendations & Take aways

Live Webinar

Transfer & Reflection

