LEIDEN-DELFT-ERASMUS MINOR

SMART AND SHARED CITIES

ACADEMIC YEAR 2022-2023

SHORT INTRODUCTION

- The minor Smart and SHARED Cities is a 15 EC and 30 EC **full-time** minor programme. The minor is built on a combination of **data**, **urban**, **political** and **social sciences**. The minor touches upon important social issues.

"It is a very actual topic which gives lots of opportunities in the future, added to that, it didn't only make me aware of another academic topic but also a topic that affects individuals personally".

– Student evaluation

COMBINATION OF THEORY AND PRACTICE

"This minor gave a lot more opportunities to use the theoretical information on practical examples then in my normal study. I have the feeling this minor gave me much more information I could really do something with in comparison with normal studies of the university"

– Student evaluation

Robot Rosie – student project with the Future Mobility Network

COMBINATION OF CLASS AND FIELDTRIPS

- RDM Campus Rotterdam

- Smart City Scheveningen

- Brainport Eindhoven / Helmond

- Pub Quiz

COMBINATION OF INDIVIDUAL AND GROUP ASSIGNMENTS

"To not only learn for professionals, but also from your peers in different disciplines each modules has a group assignment where you work with students from other universities."

– Student evaluation

HOW THE MINOR IS BUILD UP?

BLOCK A (15 EC VERSION)

- Module 1 (week 1 - 3 weeks): introduction to the smart city (5 EC)

- Module 2 (week 4 - 6 weeks): citizens and everyday experiences with the smart city (5 EC)

- Module 3 (week 7 - 9 weeks): governing the smart city (5 EC)

- Resits: week 10

BLOCK B (30 EC VERSION)

- Module 4 (week 11 - 16 weeks): urban data science (5 EC)

- Module 5 (week 11 - 20 weeks): research participation and projects (10 EC)

MODULE 1. INTRODUCTION TO THE SMART CITY

ERASMUS UNIVERSITY ROTTERDAM

- You learn more about the origins and functions of the smart city concept; different methodologies, meanings and possible positions (different stakeholders)

Prof. dr. Liesbet van Zoonen and Dr. Jiska Engelbert

MODULE 2. CITIZENS AND EVERYDAY EXPERIENCES WITH THE SMART CITY

DELFT UNIVERSITY OF TECHNOLOGY and ERASMUS UNIVERSITY ROTTERDAM

- You learn to understand the digital & social division in society; what is the position of the citizen and citizen groups?

Vivien Butot

CENTRE FOR BOLD CITIES   Universiteit Leiden The Netherlands   TUDelft Delft University of Technology   Erasmus University Rotterdam

MODULE 3. GOVERNING THE SMART CITY

LEIDEN UNIVERSITY

- In this module the smart city is being explained from the governing perspective, what are the consequences of the complexity of governing the smart city?

Dr. Sarah Giest

MODULE 4. URBAN DATA SCIENCE

DELFT UNIVERSITY OF TECHNOLOGY

- You learn about what urban data science means for a smart city, which tools can be used and what advantages and limitations different forms of data collection has. Afterwards you are able to develop a basic data-driven strategy for smart cities.

Dr. Achilleas Psyllidis and
Prof. Dr. Alessandro Bozzon

MODULE 5. RESEARCH PARTICIPATION AND PROJECTS

DELFT UNIVERSITY OF TECHNOLOGY

- During this research project you put the theory into practice by working for a commissioner. You developing will learn professional and ethical responsibility and work in a group to develop and answer a research questions. Innovation models are a big part of the module.

Dr. Roland Ortt

OUR STUDENT SATISFACTION IS VERY HIGH

"For the first time during my bachelor's degree, I had professors who were actually passionate about the topic"

"The kindness, responsiveness, and appreciation coming from all teachers (without exception)"

– Student evaluation

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MINOR SMART AND SHARED CITIES

QUESTIONS?

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