

Course Catalogue Engineering and ICT

EXCHANGE PROGRAMME

Future Cities 2023-2024

University of
Applied Sciences

Windesheim



Course summary			
VOE Code: BT.KOFC.V19		ECTS credits: 1	Level: Bachelor's degree (full-time)
Course Title	Kick Off Future Cities		
Type	Compulsory		
Learning competences			
Learning outcomes	<ul style="list-style-type: none"> • Introduction to each other • Learning about each others expectations, skills and learning goals • Introduction to the main topics of the module Future Cities 		
Course content	Introduction lecture(s), excursion(s) and workshop(s)		
Planned learning activities and teaching methods	Lecture(s), excursion(s), workshop(s), self study		
Recommended or required reading and other learning resources / tools			
Prerequisites and co-requisites	You are required to have two years of Bachelor's study experience in Architecture/Architectural Engineering, Civil Engineering, Spatial Planning & Traffic Engineering or a similar course and English-language skills at B2 level.		
Level	Bachelor		
Grading scale	1 up to 10, 1 dec.		
Assessment methods and criteria	Type of assessment	Grade weighting	Criteria
	Assignments	1	Higher or equal to 5.5
Language of Instruction	English		
Name of lecturer	For information about the lecturers you can contact Almar Meijerink		
Mode of delivery	Lecturing and coaching		

Course summary			
VOE Code: BT.PFC.V19		ECTS credits: 6	Level: Bachelor's degree (full-time)
Course Title	Project Future Cities		
Type	Compulsory		
Learning competences			
Learning outcomes	<p>Cooperation and co-making in a multidisciplinary international teams In this project the student is learning to work together in multidisciplinary teams. This project will give you tools to communicate and cooperate with other professionals.</p> <p>Thinking out of the box and being creative In this course you are going to generate ideas / scenario's for a Future City which is not yet even there. A lot of creativity is needed. We are learning you to get used to think in new perspectives and to reach for multidisciplinary synergy.</p> <p>Extending your professional knowledge about sustainable cities You will improve your knowledge about sustainable cities and new technological innovations in your field of study.</p>		
Course content	<p>You will work in an interdisciplinary team of international students on an integral design project for a future city district in 2050.</p> <ul style="list-style-type: none"> - In the first part of the project you will analyse and research future scenario's on specific theme's and issues. - In the second part of the project you will work on an integral design for a future city district in 2050. <p>The project is connected with several local stakeholders. Final products will be discussed with them.</p>		

Planned learning activities and teaching methods	You will be working at school in a workshop-like environment. The class will be mentored and coached by 3 different tutors, each with its own field of expertise. Multiple didactic methods will be used.		
Recommended or required reading and other learning resources / tools	Laptop, internet, mobile phone or camera, sketching paper, drawing materials		
Prerequisites and co-requisites	You are required to have two years of Bachelor's study experience in Architecture/Architectural Engineering, Civil Engineering, Spatial Planning & Traffic Engineering or a similar course and English-language skills at B2 level.		
Level	Bachelor		
Grading scale	P1 = 1 up to 10, 1 dec.		
Assessment methods and criteria	Type of assessment	Grade weighting	Criteria
	Review Part One	3	Higher or equal to 5.5
	Review Part Two	7	Higher or equal to 5.5
Language of Instruction	English		
Name of lecturer	For information about the lecturers you can contact Almar Meijerink		
Mode of delivery	We start with an introduction of the project. From then you work in small groups of 3-4 students on the project. A great amount of self-study is expected. Coaching will be provided once a week during the project.		

Course summary			
VOE Code: BT.LFT.V20		ECTS credits: 6	Level: Bachelor's degree (full-time)
Course Title	Lectures and Field Trip		
Type	Compulsory		
Learning competences			
Learning outcomes	Goals <ul style="list-style-type: none"> • Extending your professional knowledge on the field of density, climate change and energy transition of our present and future cities. • You will improve your professional knowledge about technological innovations in a broad interdisciplinary perspective (mobility, civil engineering and build environment). 		
Course content	Lectures on Future Cities. During this module several guest speakers, experts and specialists will give lectures regarding our (future) cities in a wide range of subjects as heat stress, water management, civil engineering, energy transition, habitability of our cities, new mobility, food production, system thinking and circular economy. Field Trip As a reference and as an inspiration we will go visit several sustainable projects in a European city of our choice. <ul style="list-style-type: none"> - You prepare the field trip and you make an excursion guide. - You go on field trip and present and reflect on this. 		
Planned learning activities and teaching methods	<ul style="list-style-type: none"> - Lectures will be given at school in 10 seminars of 2 hours each. - The Field Trip will be organised by the students themselves. Coaching lessons for preparation will be provided. 		
Recommended or required reading and other learning resources / tools	Laptop, internet, passport, travel bag, (video) camera, good pair of shoes		
Prerequisites and co-requisites	You are required to have two years of Bachelor's study experience in Architecture/Architectural Engineering, Civil Engineering, Spatial Planning & Traffic Engineering or a similar course and English-language skills at B2 level.		
Level	Bachelor		

Grading scale	1 up to 10, 1 dec.		
Assessment methods and criteria	Type of assessment	Grade weighting	Criteria
	Magazine	1	Higher or equal to 5.5
Language of Instruction	English		
Name of lecturer	For information about the lecturers you can contact Almar Meijerink		
Mode of delivery	Lectures Lectures will be given by several external professionals on different fields of interest. Field trip Coaching for the field trip and preparations will be provided by the tutors from Windesheim.		

Course summary			
VOE Code: BT.PRS.V13 ECTS credits: 2 Level: Bachelor's degree (full-time)			
Course Title	Professional Skills		
Type	Compulsory		
Learning competences			
Learning outcomes	An understanding of the communication in English, including interviewing and consultancy skills. The ability to analyse different situations and use adequate proficiency.		
Course content	An understanding of the communication in English, including interviewing and consultancy skills. The ability to analyse different situations and use adequate proficiency.		
Planned learning activities and teaching methods	Workshops		
Recommended or required reading and other learning resources / tools			
Prerequisites and co-requisites	English from the first 2 years of the Bachelor study Civil Engineering. Or English certificate at B1 level.		
Level	Bachelor		
Grading scale	Assignment = Achieved/Not achieved, Oral exam = 1 up to 10, 1 dec.		
Assessment methods and criteria	Type of assessment	Grade weighting	Criteria
	Assignments	0	Higher or equal to 5.5
	Oral Exam	1	Higher or equal to 5.5
Language of Instruction	English		
Name of lecturer	For information about the lecturers you can contact Almar Meijerink		
Mode of delivery	Face to Face		