

Course Catalogue Engineering and ICT

EXCHANGE PROGRAMME

[Future Cities](#) 2024-2025

*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 other's expectations, skills and learning goals • Introduction to the main topics of the module Future Cities 		
Course content	<ul style="list-style-type: none"> • Introduction lecture(s) • Excursion(s) • Workshop(s) 		
Planned learning activities and teaching methods	According to course outline		
Recommended or required reading and other learning resources / tools	<ul style="list-style-type: none"> • Lecturing • Coaching 		
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	Advanced		
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	Face to face		

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><u>Cooperation and co-making in a multidisciplinary international teams</u></p> <ul style="list-style-type: none"> • 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><u>Thinking out of the box and being creative</u></p> <ul style="list-style-type: none"> • 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><u>Extending your professional knowledge about sustainable cities</u> 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. 		

	<ul style="list-style-type: none"> In the second part of the project you will work on an intergral design for a future city district in 2050. <p>The project is connected with several local stakeholders.</p> <p>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 it's own field of expertise. Multiple didactic methods will be used.		
Recommended or required reading and other learning resources / tools	<ul style="list-style-type: none"> 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	Advanced		
Grading scale	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	Face to face		

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	<p>Goals:</p> <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	<p><u>Lectures on Future Cities</u></p> <p>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.</p> <p><u>Field Trip</u></p> <p>As a reference and as an inspiration we will go visit several sustainable projects in a European city of our choice.</p> <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	<ul style="list-style-type: none"> Laptop Internet Passport 		

and other learning resources / tools	<ul style="list-style-type: none"> • Travelbag • (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	Advanced		
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	Face to face		

Course summary	
VOE Code: BT.PL.V24	ECTS credits: 2
Level: Bachelor's degree (full-time)	
Course Title	Professional skills
Type	Compulsory
Learning competences	
Learning outcomes	<p>In this training you develop insights and skills to develop personal leadership, with the following learning outcomes:</p> <ul style="list-style-type: none"> • The student can consciously choose a proactive response in challenging circumstances. • The student has developed a personal mission statement. • The student can set personal goals and focus on what is important to accomplish them. • The student can positively influence relationships from a win-win attitude. • The student can listen empathically and respectfully express their own ideas and needs. • The student can create synergy in teamwork. • The student can take steps for balanced self-improvement on a regular basis.
Course content	In this course you will be working on your soft skills, which will be crucial for your success in the workplace. You will learn to take the lead in your own development and you will receive tools for fruitful cooperation and communication with others. This will take place via (mandatory) interactive workshops which will encourage you to get out of your comfort zone now and then. You will round off this course by means of an assessment in which you reflect on your own development.
Planned learning activities and teaching methods	In interactive workshops the concepts of the 7 habits are explored through discussions, videos, individual and team exercises. Practical application of the habits is facilitated by challenges to put the concepts into practice. During the course students you develop your personal mission statement.
Recommended or required reading and other learning resources / tools	<p>For this course an online learning environment (FranklinCovey All Access Pass) will be used. Recommended optional reading:</p> <p>Stephen Covey, The 7 Habits Of Highly Effective People Revised and Updated 30th Anniversary Edition, ISBN 9781471195204.</p> <p>Access to the All Access Pass learning environment will be provided by Windesheim. Since this is a certified 7 habits training recognized by the worldwide FranklinCovey organisation, students can obtain a certificate for a fee.</p>
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	Advanced		
Grading scale	1 up to 10, 1 dec.		
Assessment methods and criteria	Type of assessment	Grade weighting	Criteria
	Assessment	1	Higher or equal to 5.5
	Attendance	0	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		