Course Catalogue Engineering and ICT

EXCHANGE PROGRAMME

Future Technology 2024-2025

University of Applied Sciences Windesheim

Course summary VOE Code: ICT.KS.INT ECTS credits: 1 Level: Bachelor's degree (full-time)	
Course Title	International Course
Type	Optional
Learning competences	
Learning outcomes	The student can give a presentation of 30 minutes for a mixed audience about the differences in (inter)cultural aspects between The Netherlands and their home country.
Course content	Content of the presentation shows aspects that vary from food and habits to teaching and/or working in a company. Some theoretical aspects need to be included, like the dimensions of Hofstede (country comparison) or the ones from Hall. It can start with a general introduction of the country itself. The 30 minutes consist of 20 minutes presentation and 10 minutes Q and A with the audience.
Planned learning activities and teaching methods	Presentation for audience
Recommended or required reading and other learning resources / tools	• Student's laptop. • Big monitor/screen in the room.
Prerequisites and co-requisites	You are required to have two years of Bachelor's study experience and English-language skills at B2 level.
Level	Advanced
Grading scale	1 up to 10, 1 dec.
Assessment methods and criteria	Pass or fail
Language of Instruction	English
Name of lecturer	For information about the lecturers you can contact Wim Rill
Mode of delivery	Face to face

Course summary VOE Code: ICT.KS.FT.V20 ECTS credits: 24 Level: Bachelor's degree (full-time)	
Course Title	Project Future Technology
Type	Compulsory
Learning competences	
Learning outcomes	In Future Technology you learn, in various phases to investigate the possibilities of new technologies and work on new applications using technology. Conducting research, developing proof-of-concepts and/or building prototypes form a substantial part of most projects. Future Technology is one of the elective semesters of HBO-ICT. In these semesters, you learn to participate in projects in a professional working environment. This is done in multidisciplinary teams for actual client or a real-life setting. In this way, you learn from the professional environment, as well as other disciplines in the project. The feedback, evaluation and supervision focuses on preparing students as much as possible for the final graduation phase of the study programme.
Course content	The Future Technology projects can vary considerably. Examples are developing new hardware devices, the optimization of business processes using technology or the deployment of new technology and/or new applications. Every project is different, which means that the learning opportunities can vary as well.

	In Future Technology, every project is different, which means that the learning opportunities can vary as well. It is up to you how you choose to shape your semester. To help the you with your project, a number of workshops can be attended. Some of them are obligatory (e,g., project management, research set-up), others are elective (scrum, design thinking). The workshops are not graded individually, but are aimed to contribute to the success of the specific projects. As a student enrolled in this minor, you will select two Professional Skills (3ECTS each course) from our list of elective courses (Leadership, Financial Management, 7 Habits etc.)		
Planned learning activities and teaching methods	You work on a large project for 20 weeks. The project can have an organisation as client or be initiated by a curious student or lecturer. The multidisciplinary student teams of 3 to 5 students work on the project for 32 hours every week (Tuesday to Friday) at school or at the client's location. As part of the project there are project coaching sessions, workshops contributing to your project and regular presentations in which students share their obtained knowledge and progress. The professional skills are scheduled on Mondays. Therefore students will need to be available from Monday to Friday during this semester.		
Recommended or required reading and other learning resources / tools	Only freely-accessible learning materials are being used. When specific hardware of software is needed for your project, this will be provided.		
Prerequisites and co-requisites	You are required to have two years of Bachelor's study experience in a relevant field and English-language skills at B2 level. It is also recommended to have affinity and interest in new and future technologies and applications.		
Level	Advanced		
Grading scale	1 up to 10, 1 dec.		
Assessment methods and criteria	**Type of assessment**	**Grade weighting**	**Criteria**
	Portfolio Assessment	1	Higher or equal to 5.5
	Professional Attitude	0	Higher or equal to 5.5
Language of Instruction	English		
Name of lecturer	For information about the lecturers you can contact Wim Rill		
Mode of delivery	Face to face		