Course Catalogue Engineering and ICT

EXCHANGE PROGRAMME

Future Technology 2023-2024

University of Applied Sciences Windesheim

Course summary VOE Code: ICT.KS.FT.V20 ECTS credits: 24 Level: Bachelor's degree (full-time)			
Course Title	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	To be able to enroll in this minor you need to have 105 ECTS and finished your propaedeutic phase.		
Level	Bachelor		
Grading scale	Portfolio = 1 up to 10, 1 dec., Professional Attitude = Not Achieved/Achieved		
Assessment methods and criteria	**Type of assessment**	**Grade weighting**	**Criteria**
	Portfolio	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	Students are coached in their project groups on a weekly basis. Workshops will contribute to the project's needs		