

# Course Catalogue Engineering and ICT

EXCHANGE PROGRAMME

Supply Chain Engineering 2023-2024

University of  
Applied Sciences

**Windesheim**



Course summary			
VOE Code: EDPSC.E.21	ECTS credits: 10	Level: Bachelor's degree (full-time)	
<b>Course Title</b>	Project Supply Chain Engineering		
<b>Type</b>	Compulsory		
<b>Learning competences</b>			
<b>Learning outcomes</b>	You combine logistics and supply chain management concepts with methods and techniques from the field of operations research, in translating business models into well aligned processes, focused on serving the end customer. You learn to apply consulting, communicative skills for successful interventions. You are trained to work evidence based in order to create new supply chains or to improve existing ones.		
<b>Course content</b>	<ul style="list-style-type: none"> <li>• This project is executed within a company or external organization.</li> <li>• The language is either Dutch or English depending upon the guest organization.</li> <li>• The project will normally be carried out in small groups.</li> <li>• Individual assignments are possible in relevant situations.</li> </ul>		
<b>Planned learning activities and teaching methods</b>	Assignments for an external organisation.		
<b>Recommended or required reading and other learning resources / tools</b>	No special tools needed		
<b>Prerequisites and co-requisites</b>	You are required to have two years of Bachelor's study experience in a relevant field (e.g. Bachelor's degree in Engineering, Business or IT) and English-language skills at B2 level.		
<b>Level</b>	Bachelor		
<b>Grading scale</b>	P1 = 1 up to 10, 1 dec. P2 = Not Achieved/Achieved		
<b>Assessment methods and criteria</b>	<b>Type of assessment</b>	<b>Grade weighting</b>	<b>Criteria</b>
	P1 Project Supply Chain Engineering	1	Higher or equal to 5.5
	P2 Theme	0	Higher or equal to 5.5
<b>Language of Instruction</b>	English		
<b>Name of lecturer</b>	For information about the lecturers you can contact Hendryk Dittfeld		
<b>Mode of delivery</b>	Coaching		

Course summary			
VOE Code: EDCSK.21	ECTS credits: 5	Level: Bachelor's degree (full-time)	
<b>Course Title</b>	Consultancy Skills		
<b>Type</b>	Optional		
<b>Learning competences</b>			
<b>Learning outcomes</b>	This course helps you to develop effective consultancy and communication skills. The aim of this course is to challenge you to examine the assumptions and interpretations you have about yourself and others. It helps you to examine the way you communicate in order to become more effective in getting your message across as a consultant.		
<b>Course content</b>	It is not a theoretical approach (otherwise it would be called "consultancy theory") and therefore we don't prescribe one single consultancy book but we do recommended literature. Also, we aim to go steps beyond the typical how-to and we specifically invite you to share your thoughts, and maybe even theory, models and best practices.		
<b>Planned learning activities and teaching methods</b>	Lectures and Coaching		
<b>Recommended or required reading and</b>			

<b>other learning resources / tools</b>			
<b>Prerequisites and co-requisites</b>			
<b>Level</b>	Bachelor		
<b>Grading scale</b>	1 up to 10, 1 dec.		
<b>Assessment methods and criteria</b>	<b>Type of assessment</b>	<b>Grade weighting</b>	<b>Criteria</b>
	P1 Consultancy Skills Portfolio	1	Higher or equal to 5.5
	P2 Consultancy Skills Assessment	1	Higher or equal to 5.5
<b>Language of Instruction</b>	English		
<b>Name of lecturer</b>	For information about the lecturers you can contact Hendryk Dittfeld		
<b>Mode of delivery</b>	Coaching		

<b>Course summary</b>			
VOE Code: EDSCP.22      ECTS credits: 5      Level: Bachelor's degree (full-time)			
<b>Course Title</b>	Supply Chain Planning		
<b>Type</b>	Optional		
<b>Learning competences</b>			
<b>Learning outcomes</b>	This course will make you realize there is more to supply chain planning than simply moving products throughout the supply chain. Supply chain planning is all about 'the right product in the right place at the right time'. There are numerous factors that affect successful supply chain planning. Within this course we will focus on three main topics; forecasting, inventory management and network design.		
<b>Course content</b>	The course structure is setup in a way that helps you translate theory into practice. The theory can be studied using the book, capita selecta and theory lectures. By linking the theory to your minor projects we will research and analyse to what extend this theory can be used in real-life situations and integrate recent supply chain innovations.		
<b>Planned learning activities and teaching methods</b>	Lectures		
<b>Recommended or required reading and other learning resources / tools</b>			
<b>Prerequisites and co-requisites</b>			
<b>Level</b>	Bachelor		
<b>Grading scale</b>	1 up to 10, 1 dec.		
<b>Assessment methods and criteria</b>	<b>Type of assessment</b>	<b>Grade weighting</b>	<b>Criteria</b>
	T1 SC Planning	1	Higher or equal to 5.5
<b>Language of Instruction</b>	English		
<b>Name of lecturer</b>	For information about the lecturers you can contact Hendryk Dittfeld		
<b>Mode of delivery</b>	Face to face		

<b>Course summary</b>			
VOE Code: EDDSI.21      ECTS credits: 5      Level: Bachelor's degree (full-time)			
<b>Course Title</b>	Demand & Supply Integration		
<b>Type</b>	Optional		
<b>Learning competences</b>			

<b>Learning outcomes</b>	After finishing this course you will be able to identify important aspects that play a role in the strategic and tactical decision making process to align demand and supply. 1. The student is able to successfully organize the integration of demand & supply at strategical and tactical level 2. The student is able to create a substantiated forecast by using integrated business planning 3. The student is able to manage working capital 4. The student is familiar with S&OP planning and knows how to apply this process		
<b>Course content</b>	This course will focus on the understanding of the most relevant aspects related to the Demand & Supply integration process. Exam content is provided via articles and literature provided by the lecturers, guest lecturers and site visits (if applicable).		
<b>Planned learning activities and teaching methods</b>	Lectures & Simulation game The Cool Connection game		
<b>Recommended or required reading and other learning resources / tools</b>			
<b>Prerequisites and co-requisites</b>			
<b>Level</b>	Bachelor		
<b>Grading scale</b>	1 up to 10, 1 dec.		
<b>Assessment methods and criteria</b>	<b>Type of assessment</b>	<b>Grade weighting</b>	<b>Criteria</b>
	T1 Demand and Supply Integration	1	Higher or equal to 5.5
<b>Language of Instruction</b>	English		
<b>Name of lecturer</b>	For information about the lecturers you can contact Hendryk Dittfeld		
<b>Mode of delivery</b>	Coaching		

<b>Course summary</b>			
VOE Code: EDWHF.21		ECTS credits: 5	Level: Bachelor's degree (full-time)
<b>Course Title</b>	Warehousing & Fulfilment		
<b>Type</b>	Compulsory		
<b>Learning competences</b>			
<b>Learning outcomes</b>	After this course, the young professional is capable of explaining and identifying the impact of latest developments in Warehousing and fulfilment, modern integrated logistics and Last-mile Logistics based on the latest insights of technology and emerging markets.		
<b>Course content</b>	This course helps you to understand the latest developments of Warehousing and Fulfilment and the relations and impact they have on the Supply Chain, in concept and calculation. You will understand the role of Fulfilment in e-business, the ICT relations in a formal business environment for the software, hardware and network architecture.		
<b>Planned learning activities and teaching methods</b>	Lectures & Case		
<b>Recommended or required reading and other learning resources / tools</b>			
<b>Prerequisites and co-requisites</b>			
<b>Level</b>	Bachelor		
<b>Grading scale</b>	1 up to 10, 1 dec.		

<b>Assessment methods and criteria</b>	<b>Type of assessment</b>	<b>Grade weighting</b>	<b>Criteria</b>
	P1 Casestudy	1	Higher or equal to 5.5
<b>Language of Instruction</b>	English		
<b>Name of lecturer</b>	For information about the lecturers you can contact Hendryk Dittfeld		
<b>Mode of delivery</b>	Lectures		