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EXPERTISE

Experienced Purchasers Education Research Transfer for Industry 4.0 Skills Expertise

EQF framework of each unit

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Knowledge, skills and competences in the EQF framework of each unit

Unit TUDO		Silver Worker in PSM		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the basic role, benefits, processes and aspects of a PSM department.	The learner understands the difference between consumer and commercial buying activities.	The learner is able to explain opportunities and challenges when acting as the interface between internal customer requirements and external supply networks.	

Unit TUDO		General PSM		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the impact of the digitalization and the industry 4.0 on the working environment of the PSM department.	The learner understands the future skills which are necessary for the changing processes in the PSM department.	The learner is able to address discrimination and requirements of silver workers in the PSM department for lifelong learning.	

Unit TUDO		Purchasing knowledge and innovation		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the fundamental aspects of the necessary understanding of purchasing in strategic and operational purchasing processes of current and future materials and services.	The learner understands the potential and challenges of knowledge acquisition from internal functions and external partners for the development of purchasing continuously knowledge.	The learner is able to acquire current knowledge of internal processes and the business environment to ensure competitiveness through the PSM department.	

Unit TUDO		Purchasing integration		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	Learners knows processes and design principles for integrating strategic purchasing practices and objectives with organizational objectives.	The learner understands the different requirements of internal departments and external partners for the integration of the procurement department into the supply chain.	The learner is able to involve the PSM department in existing and new processes to ensure a strategic contribution to the organization's objectives.	

Unit UTwente		Digitalized procurement systems and IT landscape		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the main technological drivers behind the industrial revolutions and the resulting digital transformation.	The learner understands the impact of past technological revolutions on PSM practices in operational and strategic procurement.	The learner is able to explain opportunities and challenges when adapting to the ongoing technological developments in the PSM department.	

Unit UTwente		Digital strategic sourcing processes		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the main digitalized aspects of the specification, supplier selection and contracting of the strategic sourcing process steps.	The learner understands the impact of the digitalization of the strategic sourcing processes and understands the possibilities and challenges of these efforts.	The learner is able to participate in the planning, implementation and utilization of the strategic sourcing process to prepare the PSM department for digital transformation.	

Unit UTwente		Digital operative procurement processes		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the main digitalized aspects of the ordering, expediting and follow-up with evaluation of the operative procurement process steps.	The learner understands the impact of the digitalization of the operative procurement processes and understands the possibilities and challenges of these efforts.	The learner is able to participate in the planning, implementation and utilization of the operative procurement process to prepare the PSM department for digital transformation.	
Unit UTwente		Procurement process optimization and automization		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows about process automation and what kind of benefits and challenges are faced to optimize processes of the PSM department.	The learner understands the impacts of using process automation instead of Human on supply chain RPA and understands the difference to artificial intelligence.	The learner is able to participate in the implementation of optimization processes for the automation of recurring tasks in the PSM department.	
Unit EUBA		Procurement business analytics		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows basics about procurement business analytics with potential concepts of the usage of big data in the PSM department.	The learner understands the impact of data analytics in procurement, gathered data in process of procurement and benefits in specific use cases of the PSM department.	The learner is able to explain opportunities and challenges of procurement business analytics in the PSM department.	

Unit EUBA		Procurement data management		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the basics of collecting, storing and providing basic data in PSM to support the department's processes.	The learner understands the growing importance of data management and knows how to assess its potential and the associated challenges.	The learner is able to assess existing and future data management for the development of the purchasing department.	
Unit EUBA		Procurement data analytics		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the principles of “data analytics”, different types of analytics and the important impacts on PSM.	The learner understands the benefits and challenges of human purchasing intention vs Big Data Analytics.	The learner is able to assess procurement analytics tool and techniques in the purchasing processes.	
Unit EUBA		Procurement data governance		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows about the organizational roles, responsibilities and processes for effective and secure data governance.	The learner understands different problem situations in dealing with purchasing data and understands different approaches to addressing them.	The learner is able to apply principles of effective and secure data governance in their tasks in the procurement department.	
Unit LUT		Strategic management of global trends in PSM		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows current and future trends in the field of supply chain management like sustainability or resilience efforts which influences the PSM departments and the tasks and processes in the future.	The learner understands the impact of changing customer behaviors and strategic goals of companies on the tactical and operational PSM processes.	The learner is able to explain opportunities and challenges of future global trends of supply chain management in the PSM department.	

Unit LUT		Strategic and economic performance		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows activities and processes to create competitive advantage (e.g., via new supplier markets, tooling, etc.).	The learner understands the contribution of purchasing to optimizing cash flow beyond the classic savings made by purchasing.	The learner is able to contribute to the support and development of long-term organizational goals.	

Unit LUT		Environmental performance		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows different objectives of environmental performance and how sustainability goals can be achieved through the PSM department.	The learner understands trade-offs in improving environmental performance within the organization as well as outside with external SC partners.	The learner will be able to contribute to the environmental performance of the whole supply chain from within the PSM department.	

Unit LUT		Resilience of supply chains		
Duration:	Knowledge	Skills	Competence	
Learning outcomes correspond to EQF level 6	The learner knows the basics of risk and crisis management and knows the important role of the PSM department to strengthen supply chain resilience.	The learner understands the internal and external causes and types of crises in the purchasing processes and understands possible principles for managing them.	The learner is able to prepare and prevent future risks and crisis by adjusting individual and organizational capabilities.	