

WP2: Qualification matrix

EQF5-L | Landscaping

Descriptors on level 5:

K: Comprehensive, specialised, factual and theoretical knowledge within a field of work or study and an awareness of the boundaries of that knowledge

S: A comprehensive range of cognitive and practical skills required to develop creative solutions to abstract problems

R/A: Exercise management and supervision in contexts of work or study activities where there is unpredictable change; review and develop performance of self and others

Unit	Unit title	
0	Key competences and basic skills	R
0.A	Adaptability <i>is about intrapreneurship, innovation, communication, analysing, critical thinking, cooperation etc.</i> - can investigate, learn, explore and innovate - thinks and analyses critically and solves issues - knows the value of other ideas, concerns and motives	EQF5-G EQF5-F
0.C	Creativity <i>is about problem solving, idea development, innovation etc.</i> - has an open and curious mind and uses it to develop new ideas - puts new ideas into action to solve issues/problems or develop new services/products	EQF5-G EQF5-F
0.S	Sustainability <i>is about waste, water, energy</i> - knows the basics of ecological processes in natural systems - plans and carries out work tasks in an environmentally sustainable way	EQF5-G EQF5-F

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	<ul style="list-style-type: none"> - adjusts working processes within a set of guidelines, in order to maintain sustainability in a changing environment - assesses the environmental impact of a work process 				
0.T	Technology <i>is about basic digital tools (ITC, mobile phone, photo)</i> <ul style="list-style-type: none"> - carries out work tasks using digital tools - knows relevant equipment and machinery - knows basic legislation concerning reproduction of digital resources for private and commercial purpose - understands the risks of web-based communication i.e., virus, malware - evaluates web pages for relevance and reliability of content - participates in evaluating the use of technology in a work task 				EQF5-G EQF5-F
1	Sector core competence	Knowledge	Skills	Responsibility and autonomy	R
1.1	Production (sector related) <i>is about workplace, tools, working procedures, botany (plant classification, botanical names, growing conditions)</i>	<ul style="list-style-type: none"> - has comprehensive knowledge of how to organize effective workflows to optimize production - has comprehensive knowledge of the tools, equipment and machines in the sector - has specialized botanical knowledge, classification, advanced knowledge of botanical names and varieties - knows about cultivation management with 	<ul style="list-style-type: none"> - sets up the workplace according to ergonomic and effective aspects - adapts and explains the process planning - recognizes and names a comprehensive number of plants and their parts - provides optimal conditions for plant growth - recognizes plant diseases and pests and implement measures 	<ul style="list-style-type: none"> - reacts to new requirements and changes processes, -exercises management and supervision in the green sector - derives detailed care requirements from the external appearance of a plant - selects the right crop protection product and successfully changes the growing conditions - uses pesticides, and considers the costs, risks, and benefits 	EQF5-G EQF5-F

		optimized plant cultivation conditions for many plants			
1.2	Product development (sector related) - sector related <i>Relevant themes:</i> - supply, partners/network, marketing, develop products (mapping needs, plan, work in a creative process, creative tools...)	- knows sources of supply and partners in the industry regionally and internationally - knows marketing opportunities	- cooperates with various partners, building networks and building sales markets - finds creative solutions in product development, including mapping needs, working with creative methods and tools	- observes the market, draws conclusions and reacts independently and reflectively to current trends	EQF5-G EQF5-F
1.3	Communication and company (sector related) <i>is about start-up/entrepreneurship, marketing, law and regulations, communicate with customers verbal and visual, sales and services</i>	- has a comprehensive knowledge of company forms and start-ups, requirements and regulations for companies - knows a variety of marketing measures, legal guidelines, business models, applicable insurances - knows of relevant government agencies	- overviews legal and tax requirements when founding and running a company - cooperates with employees and business partners, finding solutions to complex business and marketing issues - communicates with customers and in comprehensive processes in promotion and sales	- implements comprehensive guidelines and guides employees according to the company's business plan and routines -uses new marketing and communication measures to attract customers and open up new sales opportunities	EQF5-G EQF5-F
1.4	Safety and health (sector related) <i>is about health precautions, safe working methods, cleanliness/hygiene, equipment, pesticides, botany, working environment</i>	- has comprehensive knowledge of health and safety in the field - knows how to develop HES-routines and can	- takes adequate health and safety action, and combines protective measures to achieve this	- develops and follows various and verified work processes according to the principles of health and safety in the sector and can check the behaviour of employees	EQF5-G EQF5-F

		<p>execute them/implement the routines as a leader</p> <ul style="list-style-type: none"> - knows the regulations in health protection and safety when transporting heavy loads, handling tools, cleaning and pesticides - knows the requirements for health and safety clothing in the industry 	<ul style="list-style-type: none"> - teaches employees and controls health-conscious actions - is aware the importance of HES as a leader - applies ethical principles when managing and working in the field - reviews and develops self-performance and the performance of others in the working environment <p>Applies health and safety by using safe working analyses and working instructions</p> <ul style="list-style-type: none"> - applies HES by using safe working analysis (SWA) and working instructions 	<ul style="list-style-type: none"> - develops routines regarding handling flowers with pesticides - manages and supervises work with flowers in a HES context that continuously changes <p>Is conscious of quality and environment, and accountability in company and human resource management</p>	
1.S	<p>Sustainability (sector related) <i>is about sustainable use of resources, ecological footprint, fair trade, protection of the environment and species, UNs Sustainable Development Goals Knowledge of your green supply chain Cradle to cradle, circular-economic</i></p>	<ul style="list-style-type: none"> - knows the criteria for environmental and species protection - knows the 17 UNs Sustainable Development Goals relevant for the field 	<ul style="list-style-type: none"> - works according to the applicable regulations and can explain the approach finding solutions for complex sustainability issues 	<ul style="list-style-type: none"> - works sustainably, rethinks work steps and adapt to the circumstances - acts so not to affect the environment through production measures 	<p>EQF5-G EQF5-F</p>

				- trains employees to work sustainably	
1.T	Technology (sector related) <i>is about digital tools (for payment, communication, in the production)</i> - technological tools (VR..)	has a comprehensive knowledge of the application possibilities of digital devices - has comprehensive knowledge of the use of digital tools in planning, marketing and e-commerce	- uses digital tools and technology to find creative solutions in production, product development and marketing, that are efficient, profitable and increases quality - develops digital sketches - uses various digital components in production, consulting, and sales - uses web-based sales and ordering tools to become more efficient and strategic in the long term	- assumes responsibility for the use of digital media and VR resources for visualization in customer service - independently develops new digital and technological solutions - exercises management and supervision by using digital tools, to develop more efficient working methods - is aware of the ethical issues of using digital tools and technology in communication, and the importance of critical thinking	EQF5-G EQF5-F
2	Occupational core competence	Knowledge	Skills	Responsibility and autonomy	R
2.1	Landscaping production <i>is about planting, constructions, technology, maintenance of green areas, craftsmanship, planning, mapping, establishment, development...</i>	-understands the professional issues associated with planting, construction, and geo- and hydro technology in the establishment and	- applies professional expertise to the planning of a building process. - discusses professional decisions concerning	- plans, analyses, organizes and supervises work, and takes professional decisions regarding building processes related to the landscaping sector	

		<p>maintenance of green areas and landscapes.</p> <p>-knows the importance of proper craftsmanship and quality in all parts of the process of the construction of green areas</p>	<p>purchasing, machinery and building site-logistics</p> <p>- maps existing green areas and analyses and identifies professional issues and describe appropriate measures by referring to relevant information and technical literature.</p> <p>- Sets terms for wages and working hours</p>	<p>- establishes, develops and runs a minor company</p> <p>- plans, builds, surveys and maintains outdoor installations associated with landscaping</p> <p>- develops an ethic attitude to employment processes and the setting of terms for wages and working hours</p> <p>- handles information given by clients and stakeholders in a responsible way.</p>	
2.2	Landscaping product development <i>is about development, interaction....</i>	<p>- knows how to update their knowledge by interacting with relevant sector organisations and - institutions.</p> <p>- knows about major sector organisations and institutions, and knows the traditions, distinctiveness, and role of society that characterizes the landscaping trade</p>	<p>- participates in discussions with stakeholders about development of good practice and thereby contribute to organisational development.</p>	<p>- leads a discussion with stakeholders about product development</p>	

		-knows about concepts and digital planning tools used in design and maintenance of outdoor areas			
2.3	Communication and company <i>is about laws and regulations, guidelines, entrepreneurship</i> <i>- sales and services in landscaping</i> <i>- economics and management</i> <i>- marketing (web, social medias...)</i>	-knows about company establishment and leadership, practical leadership on a construction site, and of organisational development at all levels of a landscaping business - knows about and can assess projects against relevant legislation, standards and contracts. - has knowledge of national stakeholders in the landscaping, gardening and arborist sectors, and has knowledge of the relevant legislation of the own country	establishes a company associated with design and maintenance of a small or medium sized outdoor area - supervises staff in the green area sector by planning, informing, guiding and instructing in an expedient way.	- assesses that a project or work process is carried out within the frames of current legislation -adapts practises to new legislations - assesses wages and working hour- arrangements for national as well as foreign staff in the landscaping business	
2.5	Sustainability <i>is about waste prevention, reduce wastage, sustainable methods (re-use, recycle) and techniques, environmentally friendly materials and techniques, managing stock, using local products, harvest materials, taking care of materials</i>	- understands the importance of biodiversity, sustainable solutions and choice of material in design and maintenance	- plans and carries out working processes with a focus on sustainability	- evaluates sustainability of a work process or a project	

R = Relation to other matrixes