



<b>Work package</b>	<b>WP4 – Learning outcome-based, profession-wide, modular curricula for EQF</b>		
<b>Result</b>	R4.5 Creation of the modular curriculum for EQF Level 2		
<b>Date of delivery</b>	Contractual (project application)	Actual (work plan)	31/01/2021
<b>Type of deliverable</b>	<b>Modular curriculum for EQF</b>		
<b>Dissemination level</b>	PU – Public		x
	PP - Restricted to other E+ Programme participants (including EACEA, Commission services and project reviewers)		
	CO - Confidential, only for members of the consortium (including EACEA, Commission services and project reviewers)		
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<b>Summary</b>	Modular curriculum for EQF		
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## Document History

Content or partial result		Version	Contributors	Contribution	Date
Modular curriculum	Level 2	1	Markus Hagspiel	Creation	20.09.2021
		2	Ines Jeschke	Corrections texts	28.11.2021
		3	Markus Hagspiel	Revision	17.01.2022
		4	Ines Jeschke	Additional work from WP3 (final version)	30.06.2022
		5	Markus Hagspiel	Final version	31.07.2022
			Petra Ziegler	Internal Review Report	23.01.2023
			Petra Ziegler	Additions to the internal review report	27.01.2023
		6	Markus Hagspiel	Corrections after review	03.04.2023
		7	Ines Jeschke	Check corrections and additions, final version	21.04.2023



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## Introduction

PSA curricula are curricula (teaching programs) based, on the one hand, on learning goal orientation and, on the other hand, on teaching by instruction.

The description of learning outcomes and learning outcome units (the WHAT) forms the multi-level qualification portfolio for EQF levels 1 to 6 (see WP3) and thus represent the basis for the implementation of the qualifications (the HOW). The developed **PSA curricula** (see WP4) contain the essential competences (contents) that are expected from the learners at the end of the qualification.

The learning content is basically taught in **theoretical and practical learning units** (modules).<sup>1</sup>

The **hours per module are guidelines** based on the national framework curricula. The courses and workshops of the PSA are basically designed to be usable in the labour market and are based on the guideline values.<sup>2 3 4</sup>

Name and number of the UNIT

Name and number of the UNIT	Responsibility and autonomy	to be trained / learned		Theory (professional training organisation)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Measurement and calculation L4_U1-1 Measurement and calculation	He / she is able <ul style="list-style-type: none"> <li>to properly apply the basic rules, regulations and methods of the various calculations.</li> <li>to analyze and assess received documents.</li> <li>to carry out calculations, compare, identify relationships.</li> <li>to delegate and control individual services for the calculations.</li> <li>to communicate with business partners.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>the calculations required for work preparation and the implementation of services in the painting trade.</li> <li>the basic rules, regulations and components for the preparation of the following calculations:                             <ul style="list-style-type: none"> <li>Measurement calculations</li> <li>Material calculations</li> <li>cost calculations</li> <li>calculation</li> </ul> </li> </ul>	He / she can <ul style="list-style-type: none"> <li>read construction drawings, tables and graphics.</li> <li>present the numbers and calculations required for the billing in a clean, clear, unambiguous and clearly recognizable manner.</li> <li>describe and explain these basic rules, regulations, components and methods of the various calculations.</li> <li>create allowance calculations (determine masses / quantities).</li> <li>carry out material calculations (material requirements, productivity, layer thicknesses, consumption calculations, layer thickness conversion, determine material costs).</li> <li>prepare effort calculations (determine and document time requirements).</li> <li>formulate and describe simple calculations (differentiate between net and gross amounts, structure a price calculation, internet cost offers).</li> </ul>	rules, regulations and methods of the various calculations. Measurement rules.	50	Create measurements on site (mass determination)	100	
				Determine material calculations (demand, consumption, costs, visible thicknesses, conversions)	20	Carry out project-related material calculations	60	
				Effort calculations, simple calculations	45	Project-related simple preliminary and final costing	150	
SUM					115		290	

The course number is the number of a bookable course/workshop (see WP5).

Total hours per UNIT

<sup>1</sup> The example shows that the essential content is taught here in 3 modules:

- Module 1 = Rules ...
- Module 2 = Material calculations ...
- Module 3 = Cost calculations ...

<sup>2</sup> The individual modules basically consist of theoretical (yellow columns) and practical (red columns) learning units. For example, Module 1 here consists of a total of 150 hours (50 hours of theory and 100 hours of practice).

<sup>3</sup> The individual modules can be further subdivided in terms of content and time into a variety of courses and/or workshops (see WP5).

<sup>4</sup> If learners want to achieve a national vocational qualification, the national rules and regulations must be complied with (see WP1 and WP8).



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## Level 2 Overview total hours (Example: Austria <sup>5</sup>)

UNIT	Responsibility and autonomy	to be trained / learned		Theory	Guideline in hours	Practice	Guideline in hours	Course No.	
		Knowledge	Skills						
L2_U1	<b>UNIT 1 – Basic skills</b>								<b>376</b>
	L2_U1-1 Language (native language)				72		---		
	L2_U1-2 Mathematics				120		---		
	L2_U1-3 Information technology basics				80		---		
	L2_U1-4 General knowledge				40		---		
	L2_U1-5 <i>Foreign language</i> – English				40		---		
	L2_U1-6 Art and design				24				
L2_U2	<b>UNIT 2 – Occupational field-specific skills</b>								<b>740</b>
	L2_U2-1 Occupational field and workplace				16		24		
	L2_U2-2 Tools, machines, devices				40		40		
	L2_U2-3 Environmental protection				8		16		
	L2_U2-4 Tools, machines, devices				24		56		
	L2_U2-5 Materials, substances, coating materials				40		120		
L2_U2_6 Techniques, activities, processes				80		240			
<b>SUM</b>					<b>584</b>		<b>496</b>	<b>1.080</b>	

<sup>5</sup> Here, **using Austria as an example, the hours per module are shown**, which are based on the Austrian framework curriculum. This file is supplemented by an overview of all hours per partner country (see excel file "PSA\_WP4\_dt+en\_FINAL overview hours\_Level 2\_02.12.2022"), because the scheduled hours can differ within Europe. In the excel file you can find the maximum and minimum hours for each partner country. The courses and workshops of the PSA are based on the guideline values and can deviate, depending on the learning objective.



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**Level 2 – Basic qualification II in the painting trade (preparation for vocational training in the painting trade)**

	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Basic Skills L2_U1-1 Language (native language)	He / she is able to <ul style="list-style-type: none"> <li>use solid language knowledge and skills, especially in a work context and under supervision.</li> <li>extract, understand and process information from texts of various forms and origins if the framework auxiliary conditions and tools are specified.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>the basic rules of spelling and punctuation.</li> <li>reading comprehension strategies.</li> <li>the rules of language appropriate to the subject and the situation in the work area.</li> <li>strategies for acquiring, sifting through and selecting information.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>predominantly express himself / herself independently, appropriately and in a manner appropriate to the situation.</li> <li>participate in group discussions and provide his / her opinion with occasional assistance.</li> <li>also recognize the opinion of other people.</li> <li>ask specifically if something is unclear (at work).</li> <li>read and interpret simple texts related to work.</li> <li>write and explain frequently occurring foreign and technical terms.</li> <li>record information in short texts.</li> <li>complete prepared texts (form, report book).</li> <li>write standardized texts (e.g. curriculum vitae, work report).</li> <li>obtain and interpret a wide variety of information from factual and commonly used texts (e.g. table and diagram, job advertisement, usage and / or assembly instructions, advertising text and product packaging ).</li> </ul>	Basis spelling and marking	16	---	---	
				Basic reading comprehension	16	---	---	
				Use of the language in the work area	56	---	---	
<b>SUM</b>					<b>72</b>	integrative	---	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Basic Skills L2_U1-2 Mathematics	He / she is able to <ul style="list-style-type: none"> <li>• apply basic mathematical knowledge and skills in the context of work and under supervision.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>• the basic arithmetic in the number range 100.</li> <li>• simple geometric figures and bodies.</li> <li>• the basic mathematical terms.</li> <li>• the units used in the painting trade and the rules of transformation.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>• calculate with simple numbers in his / her head and carry out rough calculations.</li> <li>• use the calculator effectively.</li> <li>• carry out basic arithmetic in the professional or everyday numerical range and use them in factual and text exercises.</li> <li>• apply calculation rules (e.g. rules in parentheses).</li> <li>• select common units according to the situation and convert them into the next unit.</li> <li>• understand and explain the concept of percentage as part of a whole.</li> <li>• record the results properly.</li> </ul>	Basics mathematics related to the work	120	---	---	
<b>SUM</b>					<b>120</b>	integrative	---	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
<b>UNIT 1 – Basic Skills</b> L2_U1-3 Information technology basics	He / she is able to <ul style="list-style-type: none"> <li>• apply essential ICT knowledge and skills in connection with work and simple routine tasks.</li> <li>• observe rights and obligations when handling your own and third-party digital data.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>• the rules for handling information and communication technology (ICT).</li> <li>• the essential rules of data protection and copyright.</li> <li>• simple digital forms of presentation for the presentation of work results.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>• operate technical aids used for communication (e.g. smartphones, machines and computers).</li> <li>• create, format and print simple texts in a word processing program.</li> <li>• present work results with simple digital forms of presentation.</li> <li>• use the possibilities of the internet in a professional context.</li> <li>• use networks (social media).</li> </ul>	Basics of information and communication technology (ICT)	64	---	---	
				Basic rules of data protection and copyright law	16	---	---	
<b>SUM</b>					<b>80</b>	integrative	---	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
		<p>UNIT 1 – Basic Skills L2_U1-4 General knowledge</p>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>develop strategies for action in order to be able to exercise their rights and duties as responsible citizens, mostly independently.</li> <li>treat people and the environment respectfully and appropriately with selective support.</li> </ul>					
				<p>Role as employee</p>	16	---	---	





		<ul style="list-style-type: none"> <li>the essential aspects to be considered when concluding contracts.</li> <li>the importance of environmental and climate protection for the future.</li> </ul>	part and draw conclusions for his / her own realities of life	Respectful treatment of people and the environment	8	---		
<b>SUM</b>					<b>40</b>	integrative	---	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
<b>UNIT 1 – Basic Skills</b> <b>L2_U1-5 Foreign language – English</b>	He / she is able to <ul style="list-style-type: none"> <li>• read and translate simple texts.</li> <li>• communicate in a simple way if the other person speaks slowly and clearly and is ready to help.</li> <li>• write short messages if the framework conditions and resources are in place.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>• the essential words of the basic vocabulary (300-500 words).</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>• understand simple listening texts globally and capture key messages.</li> <li>• understand simple instructions and respond to them appropriately.</li> <li>• capture relevant details of short, also image-based reading texts.</li> <li>• conduct short dialogues on selected everyday communication situations.</li> </ul>	Make yourself understood orally in a simple way and write short messages.	40	---	---	
<b>SUM</b>					<b>40</b>	integrative	---	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Basic Skills L2_U1-6 Art and design	He / she is able to <ul style="list-style-type: none"> <li>• create images and spatial objects with adequate tools and materials.</li> <li>• deal tolerantly with different opinions in relation to art and design.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>• the definition of art.</li> <li>• the basic elements of image design and image concepts.</li> <li>• relationships between design, functional function and target group of a product design.</li> <li>• selected art historical and contemporary image and design elements.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>• use different materials, media and techniques for your own creative products.</li> <li>• realize certain themes in terms of design.</li> <li>• develop and use forms of presentation based on the object and addressee.</li> </ul>	Art and design	24	---	---	
<b>SUM</b>					<b>24</b>	integrative	---	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
<b>UNIT 2 – Occupational field-specific skills</b> <b>L2_U2-1 Occupational field and workplace</b>	He / she is able <ul style="list-style-type: none"> <li>to have an overview of the world of work and to classify one's own professional field.</li> <li>to set up own's workplace with occasional assistance and given framework conditions and aids and to restore the basic order after the work has been completed.</li> <li>to take part in group discussions and to contribute with guidance.</li> <li>to recognize the opinion of others with occasional help and ask if something is unclear at work.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>basically his / her own work area, the associated rights and obligations and has an overview of the world of work.</li> <li>the accepted and common manners in the world of work, that means dealing with customers and in a team.</li> <li>his / her own strengths and weaknesses in relation to the usual work in the work environment.</li> <li>rights and duties of employers and employees.</li> <li>the elements of a well-organized workplace in one's own work environment.</li> <li>different professional groups in the field Color technique and interior design and the respective areas of activity.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>apply the common manners in the world of work with occasional assistance.</li> <li>reflect on and accept her / his role in society, her / his role and the role of colleagues in the workplace with guidance and occasional assistance.</li> <li>accept criticism in the work environment with occasional support.</li> <li>compare job offers with his / her own abilities with occasional support.</li> <li>assess own's strengths and weaknesses as well as own's abilities and use them for common work with occasional support.</li> <li>organize own's work with occasional support and under specified framework conditions and take responsibility for his / her own tasks.</li> <li>identify problems at work predominantly independently, look for solutions and implement a suitable solution under supervision.</li> <li>describe own's abilities and use them for common work with appropriate support.</li> </ul>	Overview of occupational field and key activities	4	---	---	
				Workplace set-up	12	Workplace set-up	24	
<b>SUM</b>					<b>16</b>	integrative	<b>24</b>	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
<b>UNIT 2 – Occupational field-specific skills</b> L2_U2-2 Occupational safety	He / she is able to predominantly independently <ul style="list-style-type: none"> <li>recognize the need for safety in the workplace and implementing the essential accident prevention and safety regulations in the work process.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>safety rules and recognizes sources of danger at work.</li> <li>the need for accident prevention and health regulations and is ready to comply with them.</li> <li>the basic first aid measures.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>use simple safety measures to avoid dangerous situations.</li> <li>use personal protective equipment.</li> <li>observe accident prevention and safety regulations in the work process.</li> <li>interpret escape routes and rescue facilities.</li> </ul>	Safety rules and sources of danger in the workplace	16	Recognize sources of danger in the workplace	16	
				Accident prevention and health care	20	Apply accident prevention and health care	16	
				First aid measures	4	Observe first aid measures	8	
<b>SUM</b>					<b>40</b>		<b>40</b>	



UNIT 2 – Occupational field-specific skills L2_U2-3 Environmental protection	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able to <ul style="list-style-type: none"> <li>develop an awareness for the ecological problems of our time and to derive predominantly independently consequences for one's own environmentally conscious actions.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>the interrelationships between the environment, work techniques and materials.</li> <li>the importance of material cycles.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>pay attention to economical and environmentally friendly use of energy and materials.</li> <li>avoid waste, separate recyclable materials and dispose of them properly.</li> <li>show the ecological connection between the environment, work techniques and materials.</li> </ul>	Economical and environmentally friendly use of energy and materials	4	Economical and environmentally friendly use of energy and materials in operations	8	
			Avoiding waste and separating recyclables	4	Avoiding waste and separating recyclable materials in the plant	8		
<b>SUM</b>					<b>8</b>		<b>16</b>	



UNIT 2 – Occupational field-specific skills L2_U2-4 Tools, machines, devices	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able to <ul style="list-style-type: none"> <li>develop an awareness for the ecological problems of our time and to derive predominantly independently consequences for one's own environmentally conscious actions.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>the function of the most important job-specific tools, machines, devices and assigns them to their area of application.</li> <li>the maintenance measures for tools, machines and devices.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>select tools, machines and devices taking into account the material and processing method and use them correctly.</li> <li>clean and care for tools, machines and devices.</li> </ul>	Select tools, machines and equipment	16	Select tools, machines and equipment	40	
			Cleaning and maintaining tools, machines and equipment	8	Cleaning and maintaining tools, machines and equipment	16		
<b>SUM</b>				<b>24</b>		<b>56</b>		



Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
	Knowledge	Skills					
He / she is able <ul style="list-style-type: none"> <li>with occasional assistance to differentiate various materials, substances and coating materials and use them appropriately when carrying out simple routine work.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>the most important substrates and the essential properties of the materials, coatings and substances.</li> </ul>	He / she can mostly independently <ul style="list-style-type: none"> <li>select materials, substances, coatings and aids for the work process and use them based on their properties and requirements of the work process.</li> </ul>	Selecting materials, coatings and auxiliary materials for the work process	40	Selecting materials, coatings and auxiliary materials in the work process	120	
<b>SUM</b>				<b>40</b>		<b>120</b>	





	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
<b>UNIT 2 – Occupational field-specific skills</b> <b>L2_U2-6 Techniques, activities, processes</b>	He / she is able to <ul style="list-style-type: none"> <li>carry out simple work techniques and routine work largely independently under given framework conditions and aides.</li> <li>practice and carry out new activities in the field of work under supervision.</li> </ul>	He / she knows <ul style="list-style-type: none"> <li>the essential work techniques, activities and work processes in the painting trade.</li> <li>the essential quality features.</li> </ul>	He / she can with occasional assistance <ul style="list-style-type: none"> <li>carry out simple work techniques (e.g. sanding / abrasion).</li> <li>prepare and pre-treat substrates.</li> <li>carry out simple ancillary work (e.g. covering) and coating techniques.</li> <li>present, review and improve own's work results.</li> </ul>	Perform simple activities and work techniques	80	Perform simple activities and work techniques	240	
<b>SUM</b>					<b>80</b>		<b>240</b>	



## Quellenverzeichnis

Training courses for painters; Austrian Federal Economic Chamber (WKO), Vienna; <https://www.wko.at/branchen/gewerbe-handwerk/maler/ausbildungen-maler.html>; download: 09.03.2021

Framework curriculum for the training occupation of painter and varnisher; Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of 18.12.2020, Secretariat of the Standing Conference of the Ministers of Education and Cultural Affairs, Department of Vocational Education, Continuing Education and Sport; Berlin; [berufsbildung@kmk.org](mailto:berufsbildung@kmk.org); <http://www.kmk.org>; <https://www.kmk.org/themen/berufliche-schulen/duale-berufsausbildung/downloadbereich-rahmenlehrplaene.html>; download: 20.01.2021



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