

## Units of learning outcomes Dead center Lathe

Name of unit	Dead center Lathe – drawing, CNC program
Name of qualification / of the branch to which the unit relates	Fields of study: 23-45-L / 01 Mechanic adjuster
The level of qualification according to the EQF	4
Length (hours)	4 days (28 hours)
Expected learning outcomes (knowledge, skills, independence and responsibility)	<p>Participant:</p> <ul style="list-style-type: none"> <li>a) Builds a Dead center Lathe model using SolidWorks tools</li> <li>b) Creates a technical drawing</li> <li>c) Dimensions the drawing</li> <li>d) Creates a program using SolidCam</li> <li>e) Generates a program for a CNC lathe</li> <li>f) Selects the optimal cutting conditions for machining</li> <li>g) Uses machining simulation</li> <li>h) Loads the program into the CNC lathe</li> <li>i) Tunes the program</li> </ul>
Procedures and criteria for evaluating these learning outcomes	<ul style="list-style-type: none"> <li>- Modeling a Dead center Lathe Model by using SolidWorks Tools</li> <li>- Creating a technical drawing</li> <li>- Dimensioning of a technical drawing</li> <li>- Creating a program using SolidCam</li> <li>- Generating a program for a CNC lathe</li> <li>- Selection of optimal cutting conditions</li> <li>- Uploading a program to a CNC lathe</li> </ul>



	<p>- Tunes the program</p> <p>Criteria:</p> <p>Ad a) Model the Dead center Lathe model by using SolidWorks Tools.</p> <p>Ad b) Create a technical drawing.</p> <p>Ad c) Dimension the technical drawing</p> <p>Ad f) Create a program using SolidWorks</p> <p>Ad e) Generate a program for a CNC lathe</p> <p>Ad f) Select the optimal cutting conditions for machining</p> <p>Ad g) Use machining simulation</p> <p>Ad h) Load the program into the CNC lathe</p> <p>Ad i) Tunes the program</p>
ECVET points associated with the unit	
Unit validity period	

## Evaluation form

The name of the unit	Dead center Lathe – drawing, CNC program			
Name				
Evaluation tasks and criteria	Performed under the supervision	Performed separately	Fulfilled Date Signature	Failed Date Signature
Makes a Dead center Lathe model using SolidWorks tools				
Creates a technical drawing				
Dimensions the drawing				
Creates a program using SolidCam				
Generates a program for a CNC lathe				
Selects the optimal cutting conditions for machining				
Uses machining simulation				
Loads the program into a CNC lathe				
Tunes the program				

Name and signature of the representative of the host organization responsible for the evaluation:

Pupil's signature:

Date and stamp of the receiving organization: