Cadwork – Carpentry block course 3 days

Regstr.Nr.:	xyz
Date:	xyz
Funding:	Funding from VSSM, MAEK and ZPK
Course Provider:	Cadwork SA, Route de Montreux 151, 1618 Châtel-Saint-Denis
Registration:	Link to the cadwork homepage

INFORMATION ABOUT THE COURSE

Course number organizer: xyz

Educational focus:

Day 1

Getting to know cadwork 2D with the software-specific elements and functions

Day 2

Getting to know cadwork 3D with the software-specific elements and functions

Day 3

Learn how a 3D file must be structured in order to work efficiently.

Output material lists and learn more about their setting options.

Getting to know the automatic plan outputs with the output, container elements, and the single-piece drawing.

Description Course content:

Day 1

The 2D basic course is based on a practical example.

Based on this, the cadwork-specific elements (surfaces, lines, nodes, dimensions and texts) are familiarized.

Furthermore, many useful basic functions are shown, which can be applied and consolidated in the company after the course.

Day 2

The 3D basic course is based on a practical example.

On the basis of this, the cadwork-specific elements (member, plate, auxiliary volume, bolt and VBA) are familiarized.

Furthermore, many useful basic functions such as working in levels, inserting end types, preparation for material lists are shown, which can be applied and consolidated in the company after the course.

Acquisition of basic knowledge of the JTC (corpus configurator)

Day 3

When the plan is output, a sample file is structured from A-Z and the interrelationships of this structure are explained.

In the next step, certain control mechanisms are shown.

During the list calculation, the difference between the parts list and the production list is explained, and the visibility of the content and its sorting are then explained in the list module.

The following planned expenses are also considered:

- Single piece drawing
- Output element
- Containerelement

Detailed information at: Link to training description on homepage

Training objective: The aim is to optimize the way of working and the processes in planning.

Independent work with the cadwork 2D module from creating a file to printing plans.

Independent work with the cadwork 3D module from creating a file to designing with cadwork elements to manually transferring views and sections to 2D.

Know how to build a 3D file.

Know the background and dependencies of the structure for the plan output.

Gain basic knowledge of automatic plan output. Which can then be consolidated in operation.

Follow-up course of: **-**

Target audience: Carpenters, carpentry project managers, carpentry production managers, technicians, master craftsmen, engineers or related professions.

Requirements: Basic knowledge of professions related to carpentry or wood construction

Basic knowledge of Windows.

Type of employment: Employees, Owners

Type of training: Basic course

Detailed information about the course:

Detailed course structure:

Day 1

Basics:

- How do I open a new file?
- Getting to know the menus

Insert the following elements:

- Guidelines
- Inserting Faces Using the Previously Inserted Guides

Activate:

- Getting to know the possibilities of how components can be activated. And why and when they need to be activated.

Modify:

- Getting to know the modification possibilities of surfaces

Graphic pens:

- Getting to know how to work with the G1-G16 graphic pens
- Match button is explained

Function: Cutting/welding.

- Trunning and intersecting elements
- Welding of elements

Stretch function:

- Get to know different stretching functions and understand when which should be used.

Catalogue:

- Working with catalog parts

Insert and modify the following elements:

- Lines, Knots

Copy:

- Easy copying of éléments
- Various other copy functions

Layout:

- Print frame, plan head, project data
- Positioning the drawing
- Move the elements to another layer

Dimension:

- Insertion of horizontal, vertical and parallel dimensions
- Modification options of a dimension

Text:

- Inserting and modifying normal text
- Inserting and Adjusting Paragraphs
- Insert and layout text box

Print

- Directly from the software, print plans
- Create a PDF and then print the PDF

Day 2

Basics:

- How do I open a new file?
- Getting to know the menus

Element Bar and Plate:

- Inserting these elements
- Attributes such as color/name and material are explained

Move/Copy

- Various copy and move functions are shown

Activate:

- Getting to know the possibilities of how components can be activated. And why and when they need to be activated. (Refresher of the functionalities of the activation options from the 2D basic course)

Modify:

- Getting to know the modification possibilities of rods and plates (color-material assignment)
- First short input on the structure of a 3D file, so that the attributes assembly and subassembly are understood.
- View and get to know the axle system of plate and rod

Material management:

- Adapt existing material
- Create new material (reference to Mtextur)

2D Layer:

- Getting to know the 2D layer
- Functionalities and area of application are explained
- Difference between cutting and viewing surface are looked at

Cutting function:

- Various cutting functions such as (cutting hard-soft, cutting, cutting through, cutting over 3 points, etc.)

Stretch function:

- Get to know different stretching functions and understand when which should be used

End types:

- Creating End Types
- Explain the representation of the counterparts, etc.
- Viewer Mode

Constructing in the 2D plane:

- Using a practical example, it is learned how to design in a 2D plane

Scenes:

- Get to know functionality/area of application

Working with the JTC:

- Introduction to the working methods of the JTC (Corpus Configurator)

Planned expenditures:

- Manual sheet output with (,) are shown
- Further work in 2D (repetition of the 2D basic course)
- Export BIMteam
- Labeling (production number, etc.)
- Creating a Tif. File

Day 3

Structure of a 3D file:

- How does a 3D file have to be structured?
    - Building
    - Projectile
    - Assembly
    - Building subgroup
    - Etc.
- Get to know the attributes and know where they can be managed.

Bequeath:

- How can the attributes described above be efficiently transferred to other components

Activate:

- Activate and show and hide by attributes
- Get to know attribute viewers as a tool

Scenes:

- Scenes can not only display visibility levels but can also react to attributes.
- Get to know other functionalities of the scenes

Control mechanisms:

- Collision Control (How can I apply it and fix problems)
- Control of duplicate elements
- Problematic components

Wiles:

- Difference between bill of materials and production list
- The calculation configuration can be used to influence how the numbers can be assigned.
- Gain basic knowledge of how the list can be designed and displayed.

Planned expenditures:

BIMtam

- Getting to know the cloud-based platform BIMteam for coordinated and model-based work.
- Exporting a 3D model to this platform

Comma:

- Planned expenses with the decimal point

- Advantages and disadvantages are shown.

Single piece drawing:

- Get to know the area of application
- What to consider about the issue
- Calculation of edits
- What needs to be considered when issuing
- View layout file
- Output and subsequent further processing in 2D

Output element:

- Get to know the area of application
- Creating an Output Item
- Adding Views and Sections
- Modifying these
- Layouts from the output
- Configurations for the individual views
- Representation of the elements in the sheet output Using the material window
- Output and subsequent further processing in 2D

Containerelement:

- Get to know the area of application
- Difference to output element is explained
- Creating a Container Element
- Adding Views and Sections
- Modifying these
- Layouts from the output
- Configurations for the individual views
- Representation of the elements in the sheet output Using the material window
- Output and subsequent further processing in 2D

Specialization JTC

- Develop settings and own catalogue parts according to the wishes of the participants

Tips and tricks:

- Since a maximum of 4 participants participate in the training, there is still enough time to give tips and tricks on the functions and elements described above.
- Depending on the interests of the participants, the focal points of the different editions are also individually designed.

INFORMATION ABOUT THIS COURSE

Venue:	Cadwork SA, Bodenrebenweg 5, 3225 Müntschemier
Directions:	See map
Information on how to get there:	Parking at the training rooms is limited, so carpool if possible. From Müntschemier train station, the course location can be reached in 5 minutes on foot.
Number of course days:	3
Duration in hours:	21h
Day/Weekend/Evening Course:	Day Course
Dates Remarks:	Arrival of the participants from 08:00 Course times from 08:30 – 12:00 and from 13:00 – approx. 17:00
Course instructor:	Team cadwork 04
Language:	German
Min. participants:	2 pers.
Max. participants:	4 pers.
Description of costs:	Participation in the course including work on an existing PC in the training room, course materials and writing materials, and a time-limited trial license of cadwork on your own device Lunch is not included

CONTACT OF THE COURSE PROVIDER

Contact: Cadwork SA, Route de Montreux 151, 1618 Châtel-Saint-Denis
Phone: +41 21 943 00 46
Mail: formation@cadwork-04.ch

PRICES

Price of the training: 490.- excl. VAT

Prices can also be seen on the homepage

REGISTRATION DEADLINE AND IMPLEMENTATION CRITERIA

Registration deadline can be found on the homepage, but certainly 2 weeks before the start of the course

In order for the course to be carried out, at least 2 participants are required.