



Ribbon Design Basic course

This course imparts special knowledge on the technique of analysing samples of standard narrow fabrics (single-layer ribbons, double-layer ribbons, simple rubber weave tape, elastic tapes, etc.). Main objects are to visually recognise ground weaves, to skilfully use the analysing tools and to register the established weave and pattern data in the relevant fabric and loom specification card. The course also introduces into the fundamentals of weight calculations for tapes/ribbons and gives a synopsis on the textile materials used.

Target Group	Staff (specialised operators, weaving supervisor, technician, technical businesspersons) who are supposed for the first time to analyse narrow fabrics but are missing the relevant knowledge in this matter.
Precondition	<ul style="list-style-type: none">• Essential is general basic knowledge of narrow fabric weaving machinery and of textile properties of fibres• Very profitable is a basic knowledge of the study of construction for standard weaves and the pertaining drawing on pattern point papers.
Language Skills	Good to excellent command of one of the course languages German, English, French, Italian or Spanish
Course Content	<p>The participants get familiar with visually recognising the structure of weaves, composition and arrangement of materials, based on standard kinds of woven patterns. Guided by specialised lecturers, they furthermore execute pattern analyses by taking samples apart.</p> <p>The participants register the established data on pattern point paper as well as on fabric and loom specification cards, in the way they are necessary for the relevant loom setting, calculation of material requirements as well as for rewinding, warping and finishing.</p>
Aims	<p>The participants are able to analyse 4 different standard patterns and to define the ground weaves for their reproduction.</p> <p>This comprises:</p> <ul style="list-style-type: none">• to skilfully use the analysing tools (microscope, traction apparatus, analysis needles, precision balance).• to establish the elements of a pattern drawing (specifying warp material, re-peat, weave pattern, reed drawing-in, harness drawing-in, layout for pattern chain or cams).• to establish numbers and repeats of warp and weft ends.• to define yarn counts for the imposed sample by using tabulations.• to establish pattern data and to register them in a specification card.• to prepare the data from the specification card for calculation of weights.
Final Qualification	The course comprises intermediate tests and ends by final examination, in which the success of study of the individual participant will be documented.
Course Duration	1 week (20 lessons)

Course Materials The participants receive sample material to analyse, analysing tools (scissors, magnifying glass, analysis needles, pocket calculator, tape traction apparatus, etc.

The course does **not** cover:

Establishment of special weaves, such as for special narrow fabrics, tapes made by twin needle “Z” systems, loop (leno) weaves, style change for name tapes, etc.

Important notice: For reasons of restricted time available and neutral attendance, no samples others than those planned for this course can be treated.