

OHS Weaving Certificate Course Outline

September 2022

Unit 1: Weaving Basics

Objectives: Student will be able to weave and draft 12 weave structures based on plain weave and twills. Students should become familiar with the 12 basic colours and students should create an original fabric based on the above.

Content

- 12 weaves using 12 hues of the colour wheel
- Characteristics of wool
- Original fabric – combining parts of the 12 weave samples to create three original weaves to give the following effects:
 - a) Colour effect
 - b) Weave effect – pattern
 - c) Weave effect -- texture

Unit 2: Color and Design

Objectives: Student will be able to understand and use colour theory, recognize the basic principles of design as applied to weaving, draw inspiration for the use of colour from natural objects, photographs, etc.

Content

- Colour
- Design

Unit 3: Finger Manipulated Lace Weaves

Objectives: Student will be able to produce finger manipulated lace weaves, design and weave a transparency applying the basic principles of positive-negative design.

Content

- Finger manipulated techniques
 - a) Leno
 - b) Mexican
 - c) Spanish
 - d) Brooks Bouquet
 - e) Danish Medallion
- Transparency wall hanging
- Characteristics of linen and cotton

Unit 4: Tapestry

Objectives: The Student will be introduced to tapestry weaving techniques, discover how these techniques are being used by contemporary tapestry artists, design a cartoon for their tapestry, and learn how to weave and mount tapestries for display.

Content:

- Preparing the loom for tapestry
- Colour and design as applied to tapestry
- Weaving techniques
- Preparing a cartoon

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- Mounting a tapestry for display

Unit 5: Block Weaves

Objectives: Student will be familiar with the theory of block weaves and weaving methods.

Content

- Profile drafting and block designs
- Theory of block weaves based on draft units including traditional block weaves such as Monk's belt, M's and O's, Crackle, Overshot and Huck
- Weaving methods including no tabby, opposites, boundweave, swivel, petit point, and honeycomb

Unit 6: Rug Weaves

Objectives: Student will be able to execute various rug techniques with appropriate finishes.

Content

- Design as applied to rugs
- Techniques for samples (flat weaves, pile weaves, edge treatments, kilim, soumak, double corduroy)

Unit 7: Checks and Plaids

Objectives: Student will be familiar with definitions of checks and plaids (including tartans) and be able to design original fabrics using checks and plaids.

Content

- Definitions of various checks, plaids, and tartans
- Exercises to develop original designs
- Discussion and designing with checks and plaids, including sewing techniques
- Discussion of loom types, warp preparation and warping methods

Unit 8: Colour and Weave

Objectives: Student will be able to draft and weave patterns based on colour placement of the warp and weft, rather than the weave structure.

Content

- Colour and weave sampler to illustrate:
 - a) Log cabin and other colour and weave effects including treadling variations
 - b) Use of colour to change the appearance of fabrics e.g. equal value colours, complementary colours and warm and cool colours
- Characteristics and designing of shadow weave

Unit 9: Fabric Design Sample

Objectives: Student will be able to design a warp using a variety of yarns requiring slewing adjustments.

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- Fabric design sampler will use three different threadings or weave systems to allow students to:
 - a) Compare one treadling effect on different threading drafts
 - b) Gain an appreciation of colour harmonies
 - c) Develop an analytical approach to sampling
- Warp reelings will be made to explore colours and sett requirements for the sampler warp
- Characteristics of silk

Unit 10: Fabric to Fashion

Objectives: Student will be able to design and weave co-ordinating fashion fabrics and present them to a client.

Content

- Construction of a garment from idea to the finished product including purpose, personality and figure of wearer, pattern, colour, materials, weave structure, sewing tips, decorative touches and fashion trends.
- Marketing of fashion fabrics and presentation to clients

Unit 11: Four Shaft Double Weave

Objectives: Student will understand the theory and structure of four shaft double cloth including various double weave pick-up techniques.

Content

- Drafting of basic double weave construction
- Double weave techniques including separate edges (casing), pockets, tubes, exchanging layers, tucks and various pick-up techniques (Finnweave, Mexican, Ulla Cyrus, quilted)
- Colour and design effects in double weave
 - a) Polychrome
 - b) Striped warps

Unit 12: Fabric for Interiors

Objectives: Student will be able to design and weave fabrics suitable for interiors and present them to a client.

Content

- Designing fabrics for interiors from the idea to the finished product including purpose, type of interior, suitability of fibres and weave structures, decorative touches
- Marketing of fabrics for interiors and presentation to clients

Unit 13: Eight Shaft Weaves Including Twill and Satin

Objectives: Student will be able to understand the theory of weave structures based on more than four shafts and be able to design original fabrics for eight shafts.

Content

- Classification of weaves
- Eight shaft weaves: satins, twills and crepes

Unit 14: Contemporary Fibre Art and Public Relations

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Objectives: Student will be familiar with major fibre artists and their work. Students will be able to present themselves and their work in a professional manner in all areas.

Content

- Contemporary fibre artists
- Portfolios, presentation, professionalism
- Marketing your craft
- Setting up an exhibition

Unit 15: Eight Shaft Double Weave

Objectives: Student will be able to design, draft and weave multishaft double cloth and have a basic understanding of backed cloth and pique.

Content

- Theory of multishaft double weave including stitchers, stuffers, and colour effects
- Techniques to be covered include switching layers, four layers to open flat, stitched layers and combining two different weaves in the two layers.
- Theory of backed fabrics including risers, sinkers and ratio of face to back
- Theory of pique, including plain, waved and figured

Unit 16: Unit Weaves

Objectives: Student will be able to draft, design and weave a variety of unit weaves.

Content

- Discuss, design, draft and weave six block summer and winter samples
- Discuss unit drafts for Atwater-Bronson lace, half satin, double two tie, turned twill blocks. Discussion may include dimai, Beiderwand, lampas, Bergman and Quigley

Unit 17: Fabric Analysis

Objectives: Student will be able to analyse any given weave structure and be able to modify and turn a draft. Student will be able to recognize various yarn structures and understand their characteristics. Student will also be encouraged to the production of one-of-a-kind items by using decorative finishes and other embellishments.

Content

- Weave structure analysis
- Recreation of cloth with variations
- Modification and the turning of drafts
- Yarn structure and fibre identification review with yarn chart exercise
- Embellishments and fabric finishings

Unit 18: Research Papers, Presentation, Portfolio and Exhibition

Objectives: Student will receive necessary information to submit an In Depth Study Proposal. Student will be able to present work in a professional manner.

Content

- Research Papers
- Student presentation and portfolio which include binders, slides, and woven pieces
- Exhibition