

City College of San Francisco
Course Outline of Record

I. GENERAL DESCRIPTION

A. Approval Date September 2014
B. Department Fashion
C. Course Number FASH 25C
D. Course Title Weaving 3
E. Course Outline Preparer(s) Janice Sullivan
F. Department Chairperson


Diane Green

Kimberly Harvell

G. Dean

II. COURSE SPECIFICS

A. Hours Lecture: 35 total
Laboratory: 52.5 total
B. Units 3
C. Prerequisites 25B
Corequisites None
Advisories None
D. Course Justification Weaving 3 is the third course in a series required for the textile certificate. This course prepares students for entry level employment in the textile industry. Advanced technical skills allow them to incorporate surface design techniques such as dyeing yarns, painting warps, ikat, and felting in combination with woven fabrics. Mechanics of the dobbie loom, designing, and weaving on it further enhance their knowledge. Portfolio development, presentation and marketing skills are developed.
E. Field Trips Optional
F. Method of Grading Letter
G. Repeatability 0

III. CATALOG DESCRIPTION

In further developing the students' knowledge of weave structures, emphasis is placed on theory and design. A major focus will be integrated surface design techniques with woven cloth to create signature fabrics for fashion and interiors.

IV. MAJOR LEARNING OUTCOMES

Upon completion of this course a student will be able to:

- A. Analyze fabric drafts for 4-16 harness hand looms.
- B. Design complex weave structures using computer weave programs.
- C. Experiment with a variety of fibers in a woven cloth.
- D. Demonstrate the mechanics of the dobbie loom.

- E. Integrate surface design techniques with a woven structure.
- F. Evaluate and critique textiles for apparel and interior fabrics.
- G. Design and weave a portfolio of woven fabric samples that express a personal style.

V. CONTENTS

- A. Fabric structures on 8 harness looms and dobby loom
 - 1. Advancing twills
 - 2. Double weave
 - 3. Deflective double weave
 - 4. Inlay
 - 5. Network drafted weaves
 - 6. Collapse weaves
 - 7. Color and weave effects
 - 8. Ikat weave
- B. WeaveMaker software for designing
 - 1. Basic drafting black and white
 - 2. Color
 - 3. Designing with WeaveMaker library
- C. Fiber variations in woven cloth
 - 1. Combinations of different weight yarns
 - 2. Wool in combination with silk
 - 3. Overspun yarns
 - 4. Silk and linen
 - 5. Polyester and other man-made fibers
- D. Dobby loom
 - 1. Designing with peg bars
 - 2. Turning 8 harness drafts into 16 harness for dobby loom
 - 3. Dobby loom sample creation
- E. Surface design techniques on warps and wefts
 - 1. Dyeing warps
 - a. Procion dyes for bast fibers
 - b. Acid dyes for protein fibers
 - 2. Ikat (tie-dye warps and wefts)
 - 3. Painted warps
 - a. thin and thick dyes
 - b. Textile paints
 - 4. Screen Printing
 - a. Warps
 - b. Wefts
 - 5. Discharge
- F. Evaluation of textiles for apparel and interiors
 - 1. Fibers
 - 2. Yarn sets
 - 3. Beat
 - 4. Weave structures

G. Finishing

1. Cleaning
2. Felting
3. Edge treatments
4. Backed fabrics for upholstery
5. Steaming

H. Portfolio

1. Critique
 - a. Giving and receiving constructive criticism
 - b. Using critique to improve work
2. Presentation
 - a. Mounting fabrics
 - b. Drafts
 - c. Yarn samples
 - d. Yarn calculations
 - e. Finished goods
3. Marketing
 - a. Craft fairs
 - b. Galleries
 - c. Retail stores
 - d. Industry

VI. INSTRUCTIONAL METHODOLOGY

A. Assignments

1. In class
 - a. Calculate and wind warps for samples
 - b. Dye or paint warps and wefts
 - c. Draft weave structures using WeaveMaker
 - d. Warp the dobbie loom
 - e. Weave 8 samples of assigned weave structure for portfolio
 - f. Weave 1 sample on the dobbie loom
 - g. Participate in instructor-led group critiques of student work
 - h. Optional field trips such as design studios, craft fairs, materials vendors
 - i. Weave capstone final project
2. Out-of class
 - a. Mount samples in portfolio for presentation including computer fabric drafts, yarn samples, warp calculations
 - b. Mount sample woven on dobbie loom include computer drafts, warp calculations, yarn samples
 - c. Finish textiles using techniques appropriate to fabric
 - d. Maintain journal of ideas including samples of various yarns and fibers dyed, painted or discharged with dye calculation notes
 - e. Written assignment: Marketing survey of handwoven material and items for fashion and/or interiors
 - f. Reading Assignments: Required and recommended reading assignments will be outlined in the course syllabus. Assignments on designing and

drafting weave structures, the nature of handwoven cloth, fabrics for apparel and interiors, marketing handwoven items will be topics required and will correspond to lectures covered in class.

B. Evaluation

1. Participation in class activities, such as group discussions and critiques
2. Tests and/or quizzes that measure the students' knowledge of weaving procedures and definitions of the terms and concepts presented in the course content.
3. Idea journal
4. Eight portfolio samples and one doobby loom sample that measure the fulfillment of the course objectives such as the ability to:
 - a. Design weave structures using a computer weave program
 - b. Demonstrate the mechanics of the doobby loom
 - c. Integrate surface design techniques (dye, paint, discharge) with a woven structure
 - d. Design woven fabric samples that express a personal style
 - e. Utilize appropriate finishing techniques.
5. Final capstone project that demonstrates quality of work/inventiveness/creativity, idea/content, design/function, craftsmanship

C. Textbooks and other instructional materials

1. Alice Schlein: Network Drafting, Bridgewater Press, 1994
2. Madelyn VanDerHoogt: The Complete Book of Drafting for Hand-weavers, Shuttlecraft Books, 1988
3. Ann Sutton and Diane Sheehan: Ideas in Weaving, Interweave Press, 1989
4. Double Weave on Four and Eight Shafts, Ursina Arn-Grischott, 1999
5. Weaving Textiles That Shape Themselves, Ann Richards, The Crowood Press, 2012
6. Articles from periodicals such as Weavers' Magazine, Handwoven, and Fiberarts

VII. TITLE 5 CLASSIFICATION

CREDIT/DEGREE APPLICABLE (meets all standards of Title 5. Section 55002(a)).