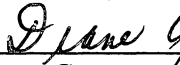



City College of San Francisco  
Course Outline of Record

I. GENERAL DESCRIPTION

A. Approval Date	September 2014
B. Department	Fashion
C. Course Number	FASH 25A
D. Course Title	Weaving 1
E. Course Outline Preparer(s)	Janice Sullivan
F. Department Chairperson	 Diane Green
G. Dean	 Kimberly Harvell

II. COURSE SPECIFICS

A. Hours	Lecture: 1 weekly (17.5 total) Laboratory: 3 weekly (52.5 total)
B. Units	2
C. Prerequisites	None
Corequisites	None
Advisories	None
D. Course Justification	Weaving 1 is the first class in a three class series in the textile certificate program. In the textile industry it is a specialized skill that enables students to understand and construct a woven cloth. The student produces basic weave structures used in apparel and interior fabrics. The course includes calculating warps, classifying yarns, analyzing woven structures, and their finishing techniques. The construction of a final project requires designing, selection of appropriate materials, and weaving a fabric suitable for fashion apparel, or interiors.
E. Field Trips	No
F. Method of Grading	Letter
G. Repeatability	0

III. CATALOG DESCRIPTION

A beginning course in the fundamentals of loom controlled multi-harness weaves. Emphasis on the fundamentals of fiber classification, yarn calculation, comprehensive drafting, weave analysis and fabric finishing techniques.

IV. MAJOR LEARNING OUTCOMES

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

- Design, plan and execute a woven textile using appropriate material and equipment.
- Plan and develop construction techniques on paper drafts and computer drafts.
- Appraise the proper hand loom suitable for specific textile constructions.

- D. Interpret designs and instructions found in books and periodicals.
- E. Distinguish the properties of various fibers and how they relate to the woven construction.

## V. CONTENTS

- A. Introduction
  - 1. Equipment
    - a. Selection
    - b. Operation
    - c. Care
  - 2. Materials
    - a. Yarn selection
    - b. Amounts needed
- B. Preliminary steps to weaving
  - 1. Preparation of the warp
  - 2. Warping the loom
- C. Basic weaves used in textile construction
  - 1. Straight twill
  - 2. Point twill
  - 3. Hand controlled lace weaves
  - 4. Tapestry Techniques
  - 5. Mechanics of achieving the basic weaves
  - 6. Simple variations of basic weaves to achieve interesting and unusual textiles
- D. Textile design
  - 1. Fundamentals of color, line, texture, pattern, form, and composition
  - 2. Sources of design ideas
  - 3. Incorporation of design ideas into textile products.
  - 4. Use of computer programs, such as WeaveMaker for Mac, to design woven textiles
- E. Analyzing existing textiles
  - 1. Construction techniques used
  - 2. Design principles incorporated in textiles
  - 3. Positive and negative characteristics of textiles
- F. Textile Evaluation
  - 1. What to look for in textile art and fabrics as related to individual needs, aesthetics, and desired use
  - 2. Where and how to locate textile information

## VI. INSTRUCTIONAL METHODOLOGY

- A. Assignments
  - 1. In class
    - a. Weave a two yard twill sampler that includes two different weave structures.
    - b. Identify a variety of fibers and analyze their effect on the woven structure by weaving samples.
    - c. Hand draft woven structures on paper in black and white and color.

- d. Design woven structures on the computer for a final project.
- e. Weave a final project suitable for fashion or interiors.
- 2. Out of class
  - a. Several woven structures drafted on paper.
  - b. Read assignments from handouts on topics such as: Yarns, Color Drafting, Color in Weaving, Fabric Finishing Techniques
  - c. Design a final project on paper including color and fiber specifications, computer printout of the fabric draft.
- B. Evaluation
  - 1. Midterm exam
  - 2. Basic two yard twill sampler including two weave structures and individual designs.
  - 3. Original textile designs on paper and computer.
  - 4. Final project of an original textile designed for apparel or and interior fabric.
- C. Textbooks and other instructional materials
  - 1. Learning to Weave, Deborah Chandler, Interweave press, 1995.
  - 2. Supplemental reading material and instructor-generated handouts on topics such as drafting, color in weaving, finishing techniques.

## VII. TITLE 5 CLASSIFICATION

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