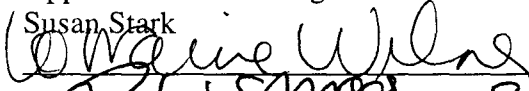
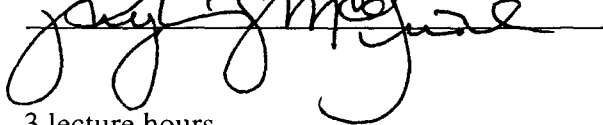


CITY COLLEGE OF SAN FRANCISCO

COURSE OUTLINE

I. GENERAL INFORMATION

A. Date: September 2002
B. Department: Fashion
C. Course Number: FASH 34
D. Course Title: Apparel Manufacturing
E. Course Outline Preparer: Susan Stark
F. Department Chairperson: 
G. Department/Division Dean: 

II. COURSE SPECIFICS

A. Hours: 3 lecture hours
B. Units: 3
C. Advisory: None
D. Course Description: All phases of the manufacture of wearing apparel. The student will learn design limitations determined by cost and production methods, technology used introduction, manufacturing techniques and specifications and computer applications used in industry. Focus is upon small business.
E. Field Trips: Yes
F. Method of Grading: Letter or CR/NC option
G. Repeatability: 1 (Max 6 units)

III. CATALOG DESCRIPTION

All phases of the manufacture of wearing apparel. The student will learn design limitations determined by cost and production methods, technology used in production, manufacturing techniques and specifications and computer applications used in industry. Focus is upon small business.

IV. COURSE OBJECTIVES:

- Upon successful completion of this course, the student should be able to:
1. Calculate design limitations imposed by the level of technology available.
 2. Identify and analyze the feasibility of standard apparel manufacturing machines.
 3. Classify the sequence, processes and specifications of the stages of manufacturing for a given garment.
 4. Make the appropriate cost and quality decisions in the choice of materials and notions for the level of technology available.
 5. Demonstrate ability to develop a plan for a complete production cycle of a line of clothing, including patterning.
 6. Design an apparel production workroom for a small business.

7. Identify industry sources and methods of access.

IV. COURSE CONTENT

Overview of standard manufacturing equipment for small business


1. The design and layout of a production floor and design room
2. Examination of production procedures and cost effectiveness.
3. Analysis of garment development
4. Product standards and specifications
 - a. writing specifications
5. Product development and the design function in the adoption process
6. Apparel design technology
7. Stitches, seams, and thread
 - a. seam appearance and performance
8. Systems for quality management
9. Garment analysis for quality
10. Sourcing materials determining product costs
 - a. identification of industry sources for machines, computer components, software and production materials
11. Exploration of computer applications in pattern development
12. Work flow apparel production systems
13. Production planning
14. Purpose and operation of equipment
15. Sewing machine fundamentals
16. Pressing equipment
17. Performance support materials
18. Screen printing and heat transfer prints
19. Labels
20. Limitations of specific textiles and notions in design
21. Development of production plans for a single garment and a seasonal line

VI. INSTRUCTIONAL METHODOLOGY

A. Assignments

1. Research and report on a variety of equipment and its operation.
2. Solve given workflow problems for maximum efficiency in production, including ergonomics.
3. Write specifications for two garments.
4. Design and describe the production plan for a single garment, specifically identifying quality level, machines, costs, time and materials.
5. Design a production plan for a seasonal line.
6. Using Internet research methods, identify sources for production in report form.

B. Evaluation

1. Written assignments as specified above.
 2. Mid-term
 3. Final project: production sequence of business plan.
 4. Final exam
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C. Texts and Other Materials

1. Fashion Production Terms - Fairchild Publications
2. Apparel Manufacturing - Glock

VII. REQUESTED CREDIT CLASSIFICATION:

Degree Applicable (meets all standards of Title V. Section 55002 (a)).