

SAN DIEGO COMMUNITY COLLEGE DISTRICT
CONTINUING EDUCATION
COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER

CLTX 530

COURSE TITLE

ALTERNATE TITLE(S)

CLOTHING 7 OCCUPATION/TEXTILE

POWER SEWING

TYPE COURSE

NON-FEE

CATALOG COURSE DESCRIPTION

The course is designed for the student desiring to acquire entry level skills for employment in the clothing production industry. Production techniques on construction and power equipment will be used in the classroom. Job preparation information will be included. (FT)

LECTURE HOURS

LABORATORY HOURS

54

ADVISORIES

NONE

RECOMMENDED SKILL LEVEL

Basic English and Operation of Domestic Sewing Machine.

INSTITUTIONAL STUDENT LEARNING OUTCOMES

1. Social Responsibility
SDCE students demonstrate interpersonal skills by learning and working cooperatively in a diverse environment.
2. Effective Communication
SDCE students demonstrate effective communication skills.
3. Critical Thinking
SDCE students critically process information, make decisions, and solve problems independently or cooperatively.

INSTITUTIONAL STUDENT LEARNING OUTCOMES (CONTINUED)

4. Personal and Professional Development

SDCE students pursue short term and life-long learning goals, mastering necessary skills and using resource management and self advocacy skills to cope with changing situations in their lives.

COURSE GOALS

Achievement of the course objectives will help the student develop:

1. Entry-level skills for employment in the clothing production industry.
2. An awareness of the terminology connected with the garment production industry.
3. An awareness of job opportunities available in the garment industry.
4. An awareness of the quality of finished garments from various manufacturers.
5. An awareness of the cost to purchase and maintain equipment and supplies.
6. An awareness of the role the consumer plays in the marketplace.
7. An awareness of an employee's rights and responsibilities.
8. An awareness of resource management in the home and the workplace.
9. An awareness of resource management in the home and the workplace.

COURSE OBJECTIVES

At the end of the course the student will demonstrate an ability:

1. To discuss and practice safety procedures when operating plant equipment.
2. To clean and lubricate a power sewing machine.
3. To recognize defects in power sewing machine stitching.
4. To perform the following techniques on a power sewing machine:
 - 4.1. Wind and thread a bobbin.
 - 4.2. Thread the machine.
 - 4.3. Replace a needle.
 - 4.4. Raise the pressure foot.
 - 4.5. Start and stop the machine.
 - 4.6. Control the machine speed.
 - 4.7. Start and end a seam.
 - 4.8. Stitch straight and curved seams.
 - 4.9. Adjust machine tension.
 - 4.10. Back track.
5. To apply attachments to a power sewing machine.
6. To operate the following machines.
 - 6.1. Overlock.
 - 6.2. Buttonholer.
 - 6.3. Invisible hemmer.
7. To practice building up speed for piecework.
8. To press garments properly.

COURSE OBJECTIVES (CONTINUED)

9. To identify various types of fabric, interfacings and sewing supplies.
10. To take accurate body and pattern measurements.
11. To layout and cut-out garments according to specifications.
12. To interpret content and care labels.
13. To compare price and quality of equipment and supplies.
14. To develop a resume and fill-out a job application.
15. To participate in a simulated job interview.
16. To recognize a fair wage and to discuss employer's rights and responsibilities as well as the employee's rights and responsibilities.
17. To discuss energy conservation techniques and the recycling of fabrics and used clothing.

SECTION II

COURSE CONTENT AND SCOPE

1. Plant Safety Regulations and Procedures
 - 1.1. General safety rules
 - 1.2. Plant operation regulations
 - 1.3. OSHA
 - 1.4. Fair labor practices board
2. Sewing Terminology
 - 2.1. Garment terms
 - 2.2. Machine parts
 - 2.3. Machine operation
 - 2.4. Patterns
3. Power Sewing Machines
 - 3.1. Identification of thread guides
 - 3.2. Machine threading procedures
 - 3.3. Threading and winding a bobbin
4. Operating Procedures for Industrial Sewing Machine
 - 4.1. Starting and stopping the machines
 - 4.2. Foot controls
 - 4.3. Knee controls
5. Stitching Techniques
 - 5.1. Straight stitching
 - 5.2. Curved seams
 - 5.3. Tension adjustment
 - 5.4. Back tacking
 - 5.5. Speed-piece work per hour
6. Special Types of Power Sewing Equipment
 - 6.1. Overlock
 - 6.2. Buttonholer
 - 6.3. Invisible hemmer
 - 6.4. Drapery pleater
 - 6.5. Drapery tacking

COURSE CONTENT AND SCOPE (CONTINUED)

7. Pressing Techniques and Procedures
 - 7.1. Flat seams
 - 7.2. Gathers
 - 7.3. Ease
 - 7.4. Pockets
 - 7.5. Steam pressing
 - 7.6. Sleeves
 - 7.7. Pants legs
8. Equipment
 - 8.1. Ironing boards
 - 8.2. Seam rolls
 - 8.3. Clappers
 - 8.4. Irons
 - 8.5. Press cloths
9. Measurements
 - 9.1. Body
 - 9.2. Pattern
10. Patterns
 - 10.1. Layouts
 - 10.2. Alterations
11. Garment Layout, Cutting and Marking
 - 11.1. Grain lines
 - 11.2. Marking
 - 11.3. Coordination of fabric design and pattern style
 - 11.4. Adjustment for different fabric widths
12. Resource Management
 - 12.1. Timesaving techniques
 - 12.2. Energy conservation techniques
 - 12.3. Recycling of products
13. Job Preparation
 - 13.1. Interview techniques
 - 13.2. Job applications
 - 13.3. Interpersonal relationships in employment
 - 13.4. Employer expectations and responsibilities
 - 13.5. Employee expectations and responsibilities

APPROPRIATE READINGS

Students may be given reading assignments from the course text book, informational handouts, trade publications and internet articles.

WRITING ASSIGNMENTS

Appropriate writing assignments may include, but are not limited to: maintaining a portfolio of class assignments, projects and techniques, completion of record keeping forms for each garment constructed, mathematical calculations performed as needed to alterations, fit, and cost analysis of garments.

OUTSIDE ASSIGNMENTS

Outside assignments may include, but are not limited to: internet research, readings, studying as needed to perform successfully in class, completion of intermediate level garments and a sewing portfolio.

APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING

Assignments that demonstrate critical thinking may include, but are not limited to: selection of a commercial pattern, fabrics and notions for the selected fit model demonstrating correct analysis of body type, fit, personal color selection and application of intermediate sewing skills in the construction of the garment.

EVALUATION

The student and the teacher will evaluate the success of the course using one or more of the following methods in addition to the student's attendance:

1. The student will set goals and evaluate the achievement of these goals upon completion of the course.
2. The teacher will evaluate the student's competency in running the power equipment and garment construction based on speed and accuracy.
3. The student and the teacher will evaluate the student's garment(s) using various ready-to-wear as standards.
4. The student securing employment as a result of the training received in class.

METHOD OF INSTRUCTION

Lectures, demonstrations, guest speakers and student projects.

The course, or sections of this course, may be offered through distance education.

TEXTS AND SUPPLIES

A Guide to Fashion Sewing, Connie Amaden-Crawford, Fairchild Publications, Inc.,
current edition

Granger, M. & Sterling, T. (Current Edition). *Fashion Entrepreneurship: Retail Business Planning*. New York, NY: Fairchild Publications

Student syllabus.

Bibliography supplied by Consumer and Home Economics Department upon request.

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DATE February 2, 2017

REVISED BY Shirley Pierson

DATE May 6, 2020

REVISED BY Shirley Pierson

DATE November 4, 2020

Instructors must meet all requirements stated in Policy 3100 (Student Rights, Responsibilities and Administrative Due Process), and the Attendance Policy set forth in the Continuing Education Catalog.

REFERENCES:

San Diego Community College District Policy 3100
California Community Colleges, Title 5, Section 55002
Continuing Education Catalog