SECTION I

SUBJECT AREA AND COURSE NUMBER

CLTX 645

COURSE TITLE	ALTERNATE TITLE
FUNDAMENTALS OF PATTERN MAKING	BEGINNING PATTERN MAKING; GARMENT DESIGN

TYPE COURSE

NON-FEE   VOCATIONAL

CATALOG COURSE DESCRIPTION

This open entry/open exit course introduces the student to basic pattern making skills used to create apparel and costumes for clients, self, and family members. The course focuses on the development of garment patterns using one or more of the following methods: drafting, flat pattern manipulation, draping, and computer aided pattern making. Information on copying previously made garments will be included along with guidelines for the use of a croquis for garment design. (FT)

LECTURE/LABORATORY HOURS

        54

ADVISORIES

NONE

RECOMMENDED SKILL LEVEL

Sixth grade reading level, ability to communicate effectively in the English language, and knowledge of general math. Concurrent enrollment or completion of VESL or VABE Course.

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.

INSTITUTIONAL STUDENT LEARNING OUTCOMES (CONTINUED)

3. Critical Thinking
   SDCE students critically process information, make decisions, and solve problems independently or cooperatively.
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

This course provides instruction in pattern making skills and techniques used to create apparel and costumes in the garment industry, for the custom dressmaker and for family, friends, and personal use; to develop problem solving techniques to create original designs or restyle previously worn garments; to enhance the student's reading, writing, math, communications and teamwork skills so they may interact successfully with employers, customers, family and friends; to provide opportunities for the student to demonstrate competence through hands-on projects and portfolio pieces; improve design skills through assigned classroom projects and to provide information on entry level employment opportunities in the apparel industry.

COURSE OBJECTIVES

Students will demonstrate through practical applications, written and oral communication skills, their ability to:

1. Demonstrate the principles of design by making a pattern or an original design using one or more methods of pattern making.
2. Design a garment on three croquis silhouette drawings that flatters the body proportions of the test fit model.
3. Define and describe pattern making terminology, basic pattern making tools and techniques necessary to create an original design, and restyle or copy an existing garment.
4. Demonstrate the correct usage of pattern making tools and equipment: computer pattern making programs, rulers, and color coding with pens.
5. Measure a man, woman, child, dressform or doll and convert the measurements into a well fitting pattern using one or more pattern making techniques.
6. Repattern a basic sloper, block, or commercial pattern into a well fitting original design garment using the flat pattern manipulation method.
7. Restyle a garment, pattern, and/or fashion details by adding current design lines.
8. Copy a ready-made garment.
9. Increase or decrease a simple pattern by hand grading one or more sizes.
10. Identify appropriate fabric and findings for a given pattern to create the finished image desired.
11. Create a layout of an ergonomically correct workspace including lighting, drafting table, cutting table, and sewing machine set up.
12. Demonstrate time saving equipment and techniques used in pattern production such as computer generated patterns, draping skills, sequencing, organizing and planning.
13. Sequence the order of events in pattern production and evaluate final product.

14. Identify skills that are transferable to the job market including: research, communications, teamwork, and pattern making competencies.
15. Identify three or more entry-level positions in the apparel industry for a novice pattern maker.
16. Qualify for a certificate of completion by demonstrating 80% mastery of skills embodied in the competencies.

SECTION II

COURSE CONTENT AND SCOPE

1. Introduction to Pattern Making and Garment Design
2. Pattern Making Nomenclature
    2.1. Terms
    2.2. Symbols
3. Equipment, Tools, and Supplies
    3.1. Measuring equipment
    3.2. Drafting equipment
    3.3. Paper, forms and charts
    3.4. Cutting equipment
    3.5. Test fit models
    3.6. Pressing equipment
4. Measuring Processes and Skills
    4.1. Drafting
    4.2. Commercial patterns
    4.3. Computer aided pattern making
    4.4. Test fit models
    4.5. Standards of good fit and ease
5. Basic Pattern Making Methods
    5.1. Flat pattern manipulation - pivot and slash methods
    5.2. Draping
    5.3. Hand drafting
    5.4. Computer aided pattern making
    5.5. Copying ready-made garments
    5.6. Grading
6. Original Garment Designs
    6.1. Avenues of influence: history, eveningwear, movies, politics, and cultures
    6.2. Croquis
7. Fabric Selection
    7.1. Test fit
    7.2. Final garment
8. Ergonomically Correct Tools, and Workspace Design
9. Resource Management – Time, Money, Materials, Space
10. Marketing Pattern Making Skills
    10.1. Areas of employment
    10.2. Job search portfolios

APPROPRIATE READINGS

Appropriate readings may include, but are not limited to: textbooks, supplemental reading assignments, relevant industry periodicals, reference manuals, and computer manuals.

The Art of Fashion Draping (2nd. Ed.), Amaden-Crawford, C., New York, NY, Fairchild
Publications, Inc., 1996
Patternmaking for Fashion Design, Armstrong, H. J., New York, NY, Harper Collins Publishers,
1995
Professional Pattern Grading for Women's Men's and Children's Apparel, Handford, J.,
Redondo Beach, CA, Plycon Press, 1980
Professional Patternmaking for Designers: Women's Wear, Men's Casual Wear, Handford, J.,
Redondo Beach, CA, Plycon Press, 1984
Patternmaking by the Flat-Pattern Method (7th Ed.), Hollen, N. R. & Kundel, C. J., Upper
Saddle River, NJ, Prentice Hall, 1993
Fitting & Pattern Alteration: A Multi Method Approach, Liechty, E.G., Pottberg, D. N. &
Rasband J. A., New York, NY, Fairchild Publications, Inc, 1992

WRITING ASSIGNMENTS

Appropriate writing assignments may include, but are not limited to: maintaining a portfolio of class assignments and projects, and the completion of a pattern and cost card for one or more patterns designed in class.

OUTSIDE ASSIGNMENTS

Outside assignments may include, but are not limited to: reading texts, reference resources, or handouts; research required to complete projects, and organization of personal portfolio.

APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING

Assignments that demonstrate critical thinking may include, but are not limited to: analyzing croquis images, designing appropriate styles, and identifying the best pattern making method to produce a selected style.

EVALUATION

A student's competency will be based on multiple measures of performance. Assessment will measure development of independent critical thinking and technical pattern making skills. Evaluation of the student's ability will be based on, but not limited to, the following criteria:

1. Mastering the following pattern making technical skills: computer aided pattern making, drafting, draping, flat pattern manipulation, copying ready made garments, and grading. Quality is measured using pattern making competency standards that are discussed in class.
2. Demonstrate the correct use of a croquis in designing a garment.

EVALUATION (CONTINUED)

3. Completion of assigned projects. Projects will be evaluated using pattern making competency standards. Projects require the student to use the new skills acquired throughout the course.
4. Participation in class activities.
5. Working on projects with classmates.
6. Class critiques of student projects. Quality is measured using pattern making competency standards discussed in class.
7. Creation of a portfolio. Quality is measured using pattern making competency standards discussed in class.
8. Completion of 80% of the performance objectives.
9. 80% mastery of the skills embodied in the class assignments.
10. Attendance and punctuality.

NOTE: Students requesting a Certificate of Completion must satisfactory complete all ten evaluation competencies. However, if a student's goal is to master one or more individual technical skills, a Certificate of Achievement may be issued upon satisfactory completion of that work.

METHOD OF INSTRUCTION

Classroom lectures, demonstrations, laboratory, handouts, audio-visual presentations, computer assisted (group and individual) instruction, field trips, guest speakers, and student projects.

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

TEXTS AND SUPPLIES

Textbooks are teacher's preference.

The Art of Fashion Draping (2nd Ed.), Amaden-Crawford, C., New York, NY, Fairchild
          Publications, Inc, 1996
Make Your Own Patterns, Bergh, R., London, England, New Holland Publishers, Ltd., 1997
Patternmaking for Fashion Design, Armstrong, H. J., New York, NY, Harper Collins Publishers,
          1995

Student will provide requisite pattern making tools and supplies. The student may also provide her/his own sewing machine to be used in class.

PREPARED BY: Nancy Fisher/Marjorie Howe   DATE: March 24, 1988

REVISED BY: Joan McKenna/Marjorie Howe   DATE: March, 1999

REVISED BY: Instructional Services/SLOs Added   DATE: February 2, 2017

REVISED BY: Shirley Pierson   DATE: May 6, 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