

SAN DIEGO COMMUNITY COLLEGE DISTRICT  
COLLEGE OF CONTINUING EDUCATION  
COURSE OUTLINE

**SECTION I**

**SUBJECT AREA AND COURSE NUMBER**

CLTX 521

**COURSE TITLE**

ADVANCED SEWING CONSTRUCTION 1

**TYPE COURSE**

NON-FEE

VOCATIONAL

**CATALOG COURSE DESCRIPTION**

This course builds on the Sewn Product Construction Essentials Certificate. Students learn advanced skills while constructing pants. The course includes advanced use of sewing equipment, textiles and patterns, emphasizing pants construction. Skills are evidenced by completed projects and portfolio. Students develop an understanding of industry standards, product quality, cost, entrepreneurial mindset, and sustainable principles for employment in today's industry through hands-on experience. (FT)

**LECTURE/LABORATORY HOURS**

72 - 80

**ADVISORIES**

Completion of CLTX 512 SEWN PRODUCT CONSTRUCTION 2 with a grade of 'C' or better, or equivalent

**RECOMMENDED SKILL LEVEL**

Basic computer literacy and knowledge of general math.

**INSTITUTIONAL STUDENT LEARNING OUTCOMES**

1. Social Responsibility  
SDCCE students demonstrate interpersonal skills by learning and working cooperatively in a diverse environment.
2. Effective Communication  
SDCCE students demonstrate effective communication skills.

3. Critical Thinking  
SDCCE students critically process information, make decisions, and solve problems independently or cooperatively.
4. Personal and Professional Development  
SDCCE 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.
5. Diversity, Equity, Inclusion, Anti-Racism, and Access  
SDCCE students critically and ethically engage with local and global issues using principles of equity, civility, and compassion as they apply their knowledge and skills: exhibiting awareness, appreciation, respect, and advocacy for diverse individuals, groups, and cultures.

### COURSE GOALS

1. Learn advanced sewn product construction skills used for apparel and sewn products with woven and knitted textiles.
2. Demonstrate knowledge of equipment and tools used in advanced sewing.
3. Increase knowledge of fibers, fabrics and their uses.
4. Gain an understanding of sewn product construction terms.
5. Increase knowledge of using patterns and basic fitting applications.
6. Increase the understanding of the importance of product quality, cost and sustainable principles.
7. Gain an understanding of the entrepreneurial mindset and soft skills and their importance in the workplace.

### COURSE OBJECTIVES

Upon successful completion of the course the student will be able to:

1. Identify and use tools and machines appropriately to create sewn products.
2. Identify fibers and fabrics and discuss their function or uses.
3. Define and explain the impact of sustainability on the fashion industry.
4. Create pants using advanced sewing construction skills.
5. Demonstrate competence of sewn product construction terms as evidenced by following a pattern guidesheet.
6. Compute the cost of time and materials for the completed sewn product project.
7. Evaluate quality of completed sewn product project.
8. Demonstrate competence of sewn product construction skills as evidenced by completing a portfolio.
9. Explain entrepreneurial mindset and soft skills and their application in the workplace.

## **SECTION II**

### **COURSE CONTENT AND SCOPE**

1. Introduction to Advanced Sewn Product Construction 1 & Advanced Sewn Product Construction Certificate Program
  - 1.1. Clothing and Textile (CLTX) programs and pathways
    - 1.1.1. San Diego College of Continuing Education (SDCCE) programs and pathways
    - 1.1.2. Credit by exam
  - 1.2. Course learning management system
    - 1.2.1. Canvas
    - 1.2.2. Other supporting software used
2. Review Essential Entrepreneurial Mindset in the Classroom and Work Environments
  - 2.1. Definition of entrepreneurial and soft skills
  - 2.2. Examples of entrepreneurial and soft skills
    - 2.2.1. Communication skills
    - 2.2.2. Conflict resolution skills
    - 2.2.3. Problem solving
    - 2.2.4. Design thinking
    - 2.2.5. Digital tool skills
3. Sewn Product Planning
  - 3.1. Design elements of a garment or sewn product
  - 3.2. Fabric selection
    - 3.2.1. Textiles for pant construction
    - 3.2.2. Textiles suited for course
4. Selection, Use, Maintenance of Equipment, Tools and Supplies
  - 4.1. Tools and notions
  - 4.2. Pressing tools and equipment
  - 4.3. Sourcing supplies
  - 4.4. Safety
5. Advanced Construction Skill Development
  - 5.1. Review of math skills required for sewn product construction
  - 5.2. Measurements
    - 5.2.1. Body measurements
    - 5.2.2. Pattern measurements
    - 5.2.3. Fabric measurements
    - 5.2.4. Finished garment Measurements
  - 5.3. Patterns
    - 5.3.1. Sizing
      - 5.3.1.1. Comparison of ready to wear, commercial patterns and industry patterns

- 5.3.1.2. Determining size
- 5.3.1.3. Discussion about fitting techniques
- 5.3.2. Commercial patterns
- 5.3.3. Industry patterns
- 5.4. Using a commercial pattern
- 5.5. Review project preparation
- 5.6. Advanced woven textile sewing construction skill development
  - 5.6.1. Trousers versus jeans
  - 5.6.2. Interfacings for pant construction
  - 5.6.3. Seam techniques & seam finishes for pant construction
    - 5.6.3.1. Topstitching
    - 5.6.3.2. Hong Kong finish
    - 5.6.3.3. Flat fell seams
    - 5.6.3.4. Mock flat fell seams
    - 5.6.3.5. Bound seam finishes
  - 5.6.4. Lining pants
  - 5.6.5. Hemming for pant construction
    - 5.6.5.1. Hand sewn hems
    - 5.6.5.2. Machine sewn hems
    - 5.6.5.3. Bound hems
  - 5.6.6. Shaping the pant
    - 5.6.6.1. Pleats
    - 5.6.6.2. Darts
  - 5.6.7. Pant pockets
    - 5.6.7.1. Single welt pocket
    - 5.6.7.2. Double welt pocket
    - 5.6.7.3. Slant front pocket
    - 5.6.7.4. In seam pocket
    - 5.6.7.5. Additional pocket options
  - 5.6.8. Closures & hardware for pant construction
    - 5.6.8.1. Cut on fly zipper
    - 5.6.8.2. Sew on fly zipper
    - 5.6.8.3. Hooks & bars
  - 5.6.9. Waist
    - 5.6.9.1. Contoured waistband
    - 5.6.9.2. Straight waistband
    - 5.6.9.3. Belt carriers
- 5.7. Advanced knit textile sewing construction skill development
  - 5.7.1. Athletic pant construction
    - 5.7.1.1. Fit considerations
    - 5.7.1.2. Fabric selection

5.7.2. Seams with domestic machines vs. sergers/ industrial

5.7.2.1. Flatlock

5.7.3. Hems

5.7.3.1. Coverstitch

5.7.4. Waistline

5.7.4.1. Elastic

5.7.4.2. Ribbed

5.7.4.3. Waistband

5.7.5. Crotch

5.7.5.1. Gusset crotch

6. Sewn Product Quality

6.1. Self-evaluating sewn products

7. Sewing Skills Portfolio Preparation

7.1. Characteristics of a professional portfolio

### APPROPRIATE READINGS

Reading assignments may include, but are not limited to, subject matter textbooks, workbooks, instructor written handouts, industry-related publications, online help pages, articles posted on the internet, information from web sites, online libraries, resource manuals, videos and tutorials. Topics will be related to sewn product sewing construction and the cut and sew industry.

### WRITING ASSIGNMENTS

Appropriate writing assignments may include, but are not limited to:

1. Maintain a portfolio of class notes, technique samples and assignments.
2. Plan sewn product projects using planning document(s).
3. Calculate the cost of the finished sewn product project(s).

### OUTSIDE ASSIGNMENTS

Outside assignments may include, but are not limited to:

1. Independent, further exploration of a class topic.
2. Independent research on developments and new trends in the clothing and textile industry.
3. Practical application of advanced sewing skills on garments or sewn products outside of class assignments.
4. Practical application of sustainable best practices learned in class.

### APPROPRIATE ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING

Assignments that demonstrate critical thinking may include, but are not limited to:

1. Student self-evaluation of the completed sewn product projects using designated rubric.
2. Use pattern layout diagrams to place pattern pieces onto fabric for cutting.
3. Use a pattern guide sheet or written tutorial to correctly complete sewn product project.
4. Apply advanced sewing construction skills to complete the sewn product projects.

### EVALUATION

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

1. Completion of the course advanced sewn product project(s) using a woven textile.
2. Completion of the course advanced sewn product project(s) using a knit textile.
3. Completion of a portfolio demonstrating competence of advanced sewing techniques.
4. Completion of class attendance and participation requirements.

Upon successful completion of all courses included in the program, a Certificate of Program Completion will be issued.

### METHOD OF INSTRUCTION

Methods of instruction may include, but are not limited to:

1. Classroom and streamed lectures
2. Demonstrations
3. Journaling
4. Laboratory
5. Classroom, virtual, or online discussions
6. Web-based resources
7. Work based learning opportunities
8. Job shadowing
9. Field trips
10. Guest speakers
11. Audio-Visual resources
12. Video resources
13. Collaborative learning
14. Individual/small group instruction

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

## TEXTS AND SUPPLIES

*New Complete Guide to Sewing*, Reader's Digest Association, Reader's Digest, current edition  
*Pants for Real People: Fit and Sew for Any Body*, Alto, M. and Palmer, P., Palmer/Pletsch Publishing, current edition  
*Making Trousers for Men & Women: A Multimedia Sewing Workshop*, David Page Coffin, Quarry Books, current edition  
*Power Sewing Step by Step*, Betzina, S., Taunton Press, current edition  
*Successful Sewing*, Westfall, M., Goodheart-Wilcox Company, Inc., current edition  
*The Sewing Book: An Encyclopedic Resource of Step-by-Step Techniques*, Smith, Allison, DK, current edition  
*Sewing with Knits and Stretch Fabrics*, Czachor, S., New York: Fairchild Books, current edition

### Web Resources:

Sewing.org, <http://sewing.org/html/guidelines.html>

### Periodicals:

*Threads*

*Women's Wear Daily*

*California Apparel News*

*Business of Fashion*

*Sew News*

### Supplies:

The student will provide required sewing and project supplies listed on syllabus. The student will need access to a sewing machine to complete the required assignments, projects and portfolio when not in the sewing lab on campus.

PREPARED BY: Shirley Pierson MFA DATE: November 2023

Instructors must meet all requirements stated in Policy 5500 (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 5500  
California Community Colleges, Title 5, Section 55002  
Continuing Education Catalog