

SAN DIEGO COMMUNITY COLLEGE DISTRICT
COLLEGE OF CONTINUING EDUCATION
COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER

CLTX 641

COURSE TITLE

INTRODUCTION TO EMBROIDERY AND DIGITIZING

TYPE COURSE

NON- FEE

VOCATIONAL

CATALOG COURSE DESCRIPTION

This course explores the entire spectrum of embroidery techniques, from hand embroidery and free motion stitching to industrial machine embroidery and design digitization. This course is designed to provide students with a well-rounded understanding of embroidery, from its rich historical roots to its modern applications in commercial industry and artisans' creative projects. Students use the various techniques explored in the class to create multiple embroidered textile products. (FT)

LECTURE/LABORATORY HOURS

72 - 80

ADVISORIES

NONE

RECOMMENDED SKILL LEVEL

Knowledge of general math and basic computer skills.

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
SDCE 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. Explore current approaches to designing and producing decorative items.
2. Gain an understanding of how embellishment can enhance the aesthetic and economic value of textiles.
3. Develop the ability to evaluate the relationships between line, shape, texture and color in textile design.
4. Gain awareness of fiber characteristics that are appropriate and compatible for use on textile surfaces.
5. Appreciation for the textile embellishment techniques used in various fiber arts.
6. Gain an awareness of the tools and equipment required for textile embellishment design.
7. Explore recycling clothing and textile items through decorative applications.
8. Gain an understanding of resource management and safety procedures to consider when producing textile surface designs.
9. Explore various employment and entrepreneurial approaches for marketing textile products.
10. Gain an understanding of the importance of employability skills and the entrepreneurial mindset in the workplace.

COURSE OBJECTIVES

Upon successful completion of the course, students will be able to:

1. Create original textile surface designs.
2. Evaluate the relationships between line, shape, texture, and color in design.
3. Select and use tools and equipment required for various techniques.
4. Perform some or all of the following textile embellishment techniques by hand or by machine: appliqué, computer usage, decorative stitchery and embroidery.
5. Use and apply proper procedures and tools to enhance the textile surface design project.

6. Troubleshoot and edit digitized designs effectively.
7. Demonstrate timesaving techniques in the construction of the textile surface design project.
8. Recycle clothing and/or textile items by applying a surface design aligned with current trends.
9. Explain marketing embellished textile products through entrepreneurial venues, local establishments, craft shows, fundraisers, and on the Internet.
10. Identify and discuss employability skills for embellishers in all the different facets of the textile industry.

SECTION II

COURSE CONTENT AND SCOPE

1. Introduction to Embroidery and Digitizing and the Product & Textile Surface Treatments: Embroidery 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. Essential Entrepreneurial and Soft Skills 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. History of Embroidery
 - 3.1. Evolution of embroidery through to digital processes
 - 3.2. Types, uses and positioning in cultural contexts
4. Embroidery Materials, Tools and Equipment
 - 4.1. Overview of embroidery machines and their capabilities
 - 4.1.1. Safety guidelines
 - 4.1.2. Maintenance
 - 4.2. Overview of threads
 - 4.3. Embroidery needles
 - 4.4. Embroidery hoops
 - 4.5. Stabilizers

5. Embroidery Techniques
 - 5.1. Hand embroidery
 - 5.2. Free motion embroidery
 - 5.3. Industrial machine embroidery
6. Design Composition and Creativity
 - 6.1. Principles of design composition and layout
 - 6.2. Color theory and thread selection
 - 6.3. Working with text and fonts
 - 6.4. Creating custom design elements
7. Introduction to Digitization Software
 - 7.1. Types of embroidery designs
 - 7.2. File formats
 - 7.3. Stitch types and their applications
 - 7.4. Handling intricate details and small lettering
 - 7.5. Editing and refining digitized designs
8. Documentation/Portfolios of Skills
 - 8.1. Portfolio
9. Career Options and Job Opportunities
 - 9.1. Payroll employee
 - 9.2. Self-employment
 - 9.3. Freelancing
 - 9.4. Employment resources
 - 9.4.1. Online marketplaces and job posting sites
 - 9.4.2. Social media
 - 9.4.3. Networking
10. Application of Sustainable Principles in the Context of Textile Embellishment
 - 10.1. Definition
 - 10.2. Impact of industry on the environment
 - 10.3. Zero waste

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 embroidery 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 completed learning project actualizations.
2. Written plan of embroidered product projects using planning document(s), where the student explains their chosen project theme and visual inspiration, and the production process is listed.
3. Calculate the cost of the finished embroidered 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 embroidery developments and new trends in the clothing and textile industry.
3. Practical application of embroidery skills on textile 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. Research and create a cultural hand embroidery sample.
2. Create a design using various free motion techniques.
3. Modify an existing motif to create a unique embroidered sample.

EVALUATION

A student's grade will be based on multiple measures of performance related to the course objectives. The assessment will measure the development of independent critical thinking skills and the student's ability to perform surface design embroidery skills. Evaluation of the student's ability will be based on, but not limited to, the following criteria:

1. Completion of the capstone project.
2. Completion of a portfolio demonstrating various hand and machine embroidery techniques and testing samples.
3. Completion of class 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

The Big Book of Embroidery: A Guide to Bernina Embroidery Machine, Susan Buck, Bernina, 2019.

Supplies:

Students supply basic sewing supplies and at least a 16GB USB flash drive. Access to computer and internet is needed to complete assignments.

PREPARED BY: Teri Tavares, Becky Wilkins, Shirley Pierson

DATE: November 2023

REVISED BY: _____

DATE: _____

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