



9132

APPLIED TEXTILE DESIGN  
(12C)

40S/40E/40M

A Fashion Design and Technology Course



# 9132: APPLIED TEXTILE DESIGN 40S/40E/40M

## Course Description

This advanced course gives an overview of fabric embellishment techniques. Students explore a variety of surface design applications and produce a sample portfolio incorporating textile design methods.

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### **Goal 1:** Describe and apply **health and safety** practices.

#### **GLO 1.1:** Describe and apply appropriate **health and safety** practices.

- SLO 12C.1.1.1: Demonstrate adherence to safe practices and procedures for facilities, processes, tools, and equipment.
- SLO 12C.1.1.2: Describe the common unsafe acts and unsafe conditions that cause accidents.
- SLO 12C.1.1.3: Describe how to handle unsafe acts and conditions.
- SLO 12C.1.1.4: Explain how to work safely in and around the fashion lab setting.
- SLO 12C.1.1.5: Demonstrate the proper use of sewing machines, sergers, and pressing equipment.
- SLO 12C.1.1.6: Demonstrate the proper use of cutting tools.
- SLO 12C.1.1.7: Prepare a job hazard safety analysis.
- SLO 12C.1.1.8: Describe the safety requirements for using powered and hand tools common to fashion.
- SLO 12C.1.1.9: Demonstrate and describe the procedures used to handle any chemicals.
- SLO 12C.1.1.10: Follow safety procedures when using domestic and industrial sewing machines and sergers.

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### **Goal 2:** Identify, select, describe, use, and manage **equipment, tools, and materials**.

#### **GLO 2.1:** Identify, select, describe, use, and manage **equipment, tools, and materials**.

- SLO 12C.2.1.1: Identify, select, use, and manage equipment, tools, and materials.
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**Goal 3:** Demonstrate the transferable cross-curricular knowledge and skills related to **reading, interpreting, and communicating** information relevant to fashion.

**GLO 3.1:** Demonstrate the cross-curricular knowledge and skills related to **reading, interpreting, and communicating** information relevant to fashion.

SLO 12C.3.1.1: Use the terminology related to surface design application techniques.

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**Goal 4:** Demonstrate an awareness of **historical influences, technological progression, and emerging trends** as inspirational sources for design.

**GLO 4.1:** Describe **historical influences, technological progression, and emerging trends** as inspirational sources for design.

SLO 12C.4.1.1: Demonstrate knowledge of the evolution of fabric embellishment.

SLO 12C.4.1.2: Demonstrate an awareness of emerging trends in surface applications.

SLO 12C.4.1.3: Demonstrate the ability to research innovations in smart fabrics.

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**Goal 5:** Demonstrate an understanding of the characteristics, properties, and end use of **textiles**.

**GLO 5.1:** Demonstrate an understanding of the characteristics, properties, and end use of **textiles**.

SLO 12C.5.1.1: Incorporate knowledge of the characteristics, properties, and end use of textiles into specific surface design applications.

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**Goal 6:** Demonstrate an understanding of the **design process** through the implementation of various artistic renderings.

**GLO 6.1:** Apply cross-curricular knowledge and skills from **the arts** in design conceptualizations.

SLO 12C.6.1.1: Apply the elements and principles of design in surface design applications.

SLO 12C.6.1.2: Recognize the fundamentals of design (including the elements and principles) in artistic renderings.

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**GLO 6.2: Select appropriate textiles** for the end product.

SLO 12C.6.2.1: Select appropriate textiles for surface design applications.

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**GLO 6.3: Illustrate and render** design conceptualizations.

SLO 12C.6.3.1: Use a variety of illustration media to create artistic surface design applications.

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**Goal 7: Demonstrate an understanding of garment patterning techniques.**

**GLO 7.1:** Demonstrate an understanding of the **flat pattern** method.

No applicable SLOs.

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**GLO 7.2:** Demonstrate an understanding of **pattern drafting**.

No applicable SLOs.

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**GLO 7.3:** Demonstrate an understanding of the art of **draping**.

No applicable SLOs.

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**Goal 8: Demonstrate an understanding of garment construction based on industrial standards.**

**GLO 8.1:** Create a **pattern layout**.

No applicable SLOs.

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**GLO 8.2:** Create a sewing **portfolio**.

No applicable SLOs.

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**GLO 8.3:** Construct a **muslin**.

No applicable SLOs.

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**GLO 8.4:** Construct a **final garment**.

No applicable SLOs.

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**GLO 8.5:** Demonstrate **finishing** of garments.

No applicable SLOs.

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**Goal 9:** Demonstrate an understanding of the application of **embellishing techniques** to the surface of textiles.

**GLO 9.1:** Demonstrate an understanding of the application of **embellishing techniques** to the surface of textiles.

- SLO 12C.9.1.1: Create a portfolio that includes a section of medium techniques and applications that incorporates, but is not limited to, the following:
- embroidery/beadwork
  - appliqué
  - quilting
- SLO 12C.9.1.2: Create a portfolio that includes a section on fabric colour additives/manipulation/extraction that incorporates, but is not limited to, the following:
- painting
  - fabric dyeing and bleaching
  - batik/tie dye/shibori
- SLO 12C.9.1.3: Create a portfolio that includes a section on printed textile techniques that incorporates, but is not limited to, the following:
- digital design printing
  - screen printing
  - stamping

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**Goal 10:** Demonstrate an awareness of **sustainability**.

**GLO 10.1:** Demonstrate an understanding of **human sustainability**.

- SLO 12C.10.1.1: Demonstrate an awareness of the purpose and benefits of applied textile design to consumers.
- SLO 12C.10.1.2: Demonstrate an understanding of the socio-psychological aspects of clothing embellishment.

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**GLO 10.2:** Describe the fashion industry's **sustainability practices and impact on the environment**.

- SLO 12C.10.2.1: Demonstrate an awareness of the environmental impact of manufacturing processes used in the textile industry.
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**GLO 10.3:** Describe **sustainable business practices** in the fashion industry.

SLO 12C.10.3.1: Demonstrate an understanding of cost-effective embellishment techniques.

SLO 12C.10.3.2: Demonstrate an awareness of long-term health concerns associated with embellishment techniques (ergonomics, toxicity of mediums, etc.), and how these affect the sustainability of a fashion organization.

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**Goal 11:** Demonstrate an awareness of **ethical and legal standards**.

**GLO 11.1:** Demonstrate an awareness of **ethical and legal standards**.

SLO 12C.11.1.1: Demonstrate an awareness of ethical and legal standards related to knock-offs and copyrighted materials.

SLO 12C.11.1.2: Demonstrate an awareness of legal concerns regarding flammability of certain textiles.

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**Goal 12:** Describe and demonstrate other transferable **cross-curricular** knowledge and skills relevant to fashion.

**GLO 12.1:** Apply knowledge and skills from **mathematics** relevant to fashion.

SLO 12C.12.1.1: Demonstrate an understanding of the geometric requirements in textile pattern design and fashion renderings.

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**GLO 12.2:** Apply knowledge and skills from **other subject areas** (physical education/health education, psychology, social studies) relevant to fashion.

SLO 12C.12.2.1: Demonstrate an awareness of the relationship between fashion and self-esteem.

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**GLO 12.3:** Apply knowledge and skills from **the sciences** relevant to fashion.

SLO 12C.12.3.1: Demonstrate an awareness of the properties of matter, and how they relate to various textiles and embellishment techniques.

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**Goal 13:** Describe and demonstrate **employability skills**.

**GLO 13.1:** Demonstrate fundamental **employability skills**.

- SLO 12C.13.1.1: Demonstrate regular and punctual attendance.
  - SLO 12C.13.1.2: Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.
  - SLO 12C.13.1.3: Demonstrate accountability by taking responsibility for own actions.
  - SLO 12C.13.1.4: Demonstrate adaptability, initiative, and effort.
  - SLO 12C.13.1.5: Demonstrate teamwork skills.
  - SLO 12C.13.1.6: Demonstrate the ability to stay on task and effectively use time in class and work environments.
  - SLO 12C.13.1.7: Demonstrate the responsible use of wireless communication devices.
  - SLO 12C.13.1.8: Demonstrate the ability to meet deadlines.
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**GLO 13.2:** Demonstrate an awareness of **cultural proficiency** and its importance in the workplace.

- SLO 12C.13.2.1: Demonstrate an awareness of cultural influences in applied textile design.
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**GLO 13.3:** Demonstrate an understanding of **business operations** within the fashion industry.

No applicable SLOs.

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**GLO 13.4:** Demonstrate **critical thinking skills**.

- SLO 12C.13.4.1: Demonstrate critical thinking skills during the creative embellishment process.
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**Goal 14:** Demonstrate an understanding of the **fashion industry**.

**GLO 14.1:** Describe the **scope** of the **fashion industry**.

SLO 12C.14.1.1: Demonstrate an awareness of the scope of applied embellishments in the textile industry.

SLO 12C.14.1.2: Research some of the non-garment uses for textiles.

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**GLO 14.2:** Demonstrate an awareness of **educational and career opportunities**, as well as **industry associations**.

SLO 12C.14.2.1: Demonstrate an awareness of career opportunities in textile embellishment.

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**GLO 14.3:** Demonstrate an understanding of **working conditions** in the fashion industry.

SLO 12C.14.3.1: Describe the working conditions found in the applied textile design industry.

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