



9128

PANT DESIGN AND
CONSTRUCTION (11C)

30S/30E/30M

A Fashion Design and Technology Course

9128: PANT DESIGN AND CONSTRUCTION

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Course Description

This course gives an overview of pant construction techniques. Students study the anatomy, theory, and evolution of pants. Students will design and create pants incorporating techniques from the sewing and patternmaking portfolios created.

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

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

- SLO 11C.1.1.1: Demonstrate adherence to safe practices and procedures for facilities, processes, tools, and equipment.
 - SLO 11C.1.1.2: Describe the common unsafe acts and unsafe conditions that cause accidents.
 - SLO 11C.1.1.3: Describe how to handle unsafe acts and conditions.
 - SLO 11C.1.1.4: Explain how to work safely in and around the fashion lab setting.
 - SLO 11C.1.1.5: Demonstrate the proper use of sewing machines, sergers, and pressing equipment.
 - SLO 11C.1.1.6: Demonstrate the proper use of cutting tools.
 - SLO 11C.1.1.7: Prepare a job hazard safety analysis.
 - SLO 11C.1.1.8: Describe the safety requirements for using powered and hand tools common to fashion.
 - SLO 11C.1.1.9: Demonstrate and describe the procedures used to handle any chemicals.
 - SLO 11C.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 11C.2.1.1: Identify, select, use, and manage equipment, tools, and materials.

SLO 11C.2.1.2: Demonstrate competence in using industrial sewing machines.

SLO 11C.2.1.3: Demonstrate competence in using industrial serger machines.

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 11C.3.1.1: Incorporate knowledge of anatomy involved in the design and construction of pants.

SLO 11C.3.1.2: Use terminology related to pants.

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 11C.4.1.1: Describe historical influences on the evolution of pants.

SLO 11C.4.1.2: Demonstrate an awareness of emerging trends in pant design and construction.

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 11C.5.1.1: Describe appropriate garment care specific to fibre content and fabric construction.

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 11C.6.1.1: Apply the elements and principles of design in artistic renderings.

SLO 11C.6.1.2: Recognize the fundamentals of design (including the elements and principles) in artistic renderings.

GLO 6.2: Select appropriate textiles for the end product.

SLO 11C.6.2.1: Select appropriate textiles for the end product.

SLO 11C.6.2.2: Explain which fibres are appropriate for specific end uses.

GLO 6.3: Illustrate and render design conceptualizations.

SLO 11C.6.3.1: Develop customized croquis to illustrate and render design conceptualizations.

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

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

SLO 11C.7.1.1: Use the flat pattern method to create a pair of pants.

SLO 11C.7.1.2: Create a patternmaking portfolio that includes the following:

- inseam pocket
 - jean-style pocket
 - lined patch pocket
 - flare/peg at knee
 - flare/peg at hip
 - lengthen/shorten at knee
 - lengthen/shorten at crotch
 - lower/raise waist line
 - pant cuff
 - mock fly zipper
 - yoke
 - gore
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SLO 11C.7.1.3: Demonstrate pattern labelling:

- symbols
 - grainlines
 - closures
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GLO 7.2: Demonstrate an understanding of **pattern drafting**.

No applicable SLOs.

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

No applicable SLOs.

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

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

SLO 11C.8.1.1: Create a pattern layout.

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

SLO 11C.8.2.1: Demonstrate the skills required to create a sewing portfolio that includes the following:

- hems
 - cuff
 - edge-stitch
 - serged edge
 - inseam pocket
 - jean-style pocket
 - mock zipper closure
 - lap seam
 - flat felled seam
 - intersecting seam
 - welt seam
 - concave/convex seam
 - sharp corner
 - lined patch pocket
 - mock fly front
 - hand sewing
 - hemming stitch
 - back stitch
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GLO 8.3: Construct a **muslin**.

SLO 11C.8.3.1: Construct a muslin.

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

SLO 11C.8.4.1: Construct a final garment incorporating skills from sewing portfolio and patternmaking portfolio.

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

SLO 11C.8.5.1: Demonstrate care of pants.

SLO 11C.8.5.2: Demonstrate finishing of a final garment including the following:

- steaming
 - pressing
 - trimming threads
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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.

No applicable SLOs.

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

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

SLO 11C.10.1.1: Demonstrate an awareness of the purpose and benefits of pants to consumers.

SLO 11C.10.1.2: Demonstrate an understanding of the socio-psychological aspects of pants.

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

SLO 11C.10.2.1: Describe sustainability practices associated with the textile industry.

GLO 10.3: Describe **sustainable business practices** in the fashion industry.

No applicable SLOs.

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

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

No applicable SLOs.

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 11C.12.1.1: Demonstrate an understanding of the geometric requirements in pattern manipulation and fashion renderings.

SLO 11C.12.1.2: Demonstrate skills in manipulating fractions, decimals, ratios, and percentages, and converting to and from metric and standard measurements.

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

SLO 11C.12.2.1: Demonstrate an awareness of the relationship between fashion and self-esteem.

SLO 11C.12.2.2: Demonstrate an understanding of the relationship among fashion, the fashion industry, and social justice.

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

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

SLO 11C.13.1.1: Demonstrate regular and punctual attendance.

SLO 11C.13.1.2: Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.

SLO 11C.13.1.3: Demonstrate accountability by taking responsibility for own actions.

SLO 11C.13.1.4: Demonstrate adaptability, initiative, and effort.

SLO 11C.13.1.5: Demonstrate teamwork skills.

SLO 11C.13.1.6: Demonstrate the ability to stay on task and effectively use time in class and work environments.

SLO 11C.13.1.7: Demonstrate the responsible use of wireless communication devices.

SLO 11C.13.1.8: Demonstrate the ability to meet deadlines.

GLO 13.2: Demonstrate an awareness of **cultural proficiency** and its importance in the workplace.

SLO 11C.13.2.1: Demonstrate an awareness of the appropriation of cultural features in clothing.

GLO 13.3: Demonstrate an understanding of **business operations** within the fashion industry.

No applicable SLOs.

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

SLO 11C.13.4.1: Demonstrate critical thinking skills during the design and construction processes.

Goal 14: Demonstrate an understanding of the **fashion industry**.

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

SLO 11C.14.1.1: Demonstrate an awareness of the scope of pant design and construction in the fashion industry.

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

No applicable SLOs.

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

No applicable SLOs.
