

# FASH A180: FUNDAMENTAL PRINCIPLES OF CLOTHING CONSTRUCTION 1

Item	Value
Curriculum Committee Approval Date	02/24/2021
Top Code	130300 - Fashion
Units	3 Total Units
Hours	108 Total Hours (Lecture Hours 27; Lab Hours 81)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

## Course Description

Fundamental principles of clothing construction are studied and applied to selected problems with an emphasis on expanding knowledge in a variety of techniques. Fulfills the lower division college transfer requirement in clothing for the family and consumer sciences major. PREREQUISITE: FASH A100. Transfer Credit: CSU.

## Course Level Student Learning Outcome(s)

1. Recognize and perform clothing construction techniques, skills, and knowledge related to garment bottoms, woven and knit.

## Course Objectives

- 1. Select the correct pattern and fabric, recognize and apply the techniques and principles necessary for the construction of the garment.
- 2. Identify and use sewing equipment for general or specific uses.
- 3. Select and use pressing equipment for general or specific uses.
- 4. Apply the principles of construction to the required projects: a fitted skirt, pants, or shorts with zipper, attached waistband, and pockets in a seam.
- 5. Demonstrate ability perform construction techniques as listed in the course techniques list. Techniques can be done on garments or on samples.
- 6. Identify and verbalize the characteristics of a well-made, well-fitted garment.
- 7. Identify and be able to correct the most common fitting imperfections.

## Lecture Content

Introduction to course requirements Terminology Equipment Supplies Sewing machine parts and operation Skirt, pants, or shorts with waistband or facing, zipper, and any type pockets Instructor lecture and demonstration of appropriate techniques. Students will appropriately

construct all demonstrated techniques. Directional Stitching Enclosed Concave Seam Enclosed Convex Seam Enclosed Point Seam Knot Stitching/Lockstitching Seam End Square Knot Seam End Grading Seam Reinforcement of Clip or Slash Backstitching/Backtacking Seam End "V" Off Seam End Stitch in the Ditch Understitching with/without Interfacing Crossed Seams Eased Seam Flat Fell Seam Plain Seam Taped Seam Top Stitching on Seam Bound edge seam finish Clean Finish Seam Finish Double Stitched and Trimmed Seam Finish Hong Kong Seam Finish Serpentine or Multiple Zig-Zag Seam Finish Clean Finish Facing Edge Straight Dart Blind Stitch by Machine Hem Clean Finish Hem Fullness Eased in Hem Fullness Shrunken in Lace (Stretch) Edge Hem Woven Seam Tape Hem Double Fold Hem (5/8"Hem) 38 Graded Seam Allowance in Enclosed Hem Catch Stitch or Herringbone Stitch Even Basting Pin Basting Slip Stitching Hem Pocket Attached in Seam (3 Types) Slant Pocket Mitered Corner Round Patch Pocket Square Patch Pocket Welt pocket Button Attachment – Sew Through Button Attachment – Shank Belt loops Hook and Straight Eye Snap Thread Belt Loop Trouser/Skirt Hook and Eye Attached Waistband in Woven Fabric Casing/Elastic Invisible zipper Shortening a Zipper Lapped Zipper – Machine Stitched Trouser or Jean Fly Front Zipper Machine Worked Buttonhole on Knit Fabric Machine Worked Buttonhole on Woven Fabric Pressing Equipment Selection and Use of Basic Sewing Equipment Organizing Work Space Thread Machines Overlock Zipper Foot

## Lab Content

Press/iron fabrics Select patterns appropriate to garment and end use Take personal measurements Fabrics, Interfacings, and fabric preparation Perform techniques after class demonstrations Grading seams Self-shank button Buttonholes on knit and woven fabric Pattern layout and cutting Matching prints, stripes and plaids Seam techniques Belt loops Overlock technique Fit patterns Zipper/closure techniques Invisible Lapped Fly-front Trouser hook eye Pocket techniques Round patch Square patch Welt pocket Hem Techniques Slip stitch Blind hem Lace edge Seam tape Organize work space Selection and use of basic sewing equipment Seam finishes Flat felled seam Single top-stitched seam 28, 180, 0.230469);">Taped seam Bound edge finish Double-stitched and trimmed seam finish Demonstrate techniques to create Project #1 Pocket construction Zipper techniques Use of zipper foot Waistband construction Belt loops Hems Re-do techniques as necessary Demonstrate techniques to create Project #2 Perform practical portion of final exam

## Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)
- Lab (04)
- DE Live Online Lab (04S)
- DE Online Lab (04X)

## Instructional Techniques

Lecture; demonstration; laboratory

## Reading Assignments

Each technique corresponds to a reading assignment in the textbook. 1-2 hours per week.

## Writing Assignments

Students write a self-evaluation for each garment sewn. The take-home portion of the final exam is in short-answer essay format. 1-2 hours per week.

## Out-of-class Assignments

Each technique is due the following class meeting. Students will complete techniques and work on sewing projects in the OCC sewing lab that is available for independent work related to sewing projects. 2-3 hours per week.

## Demonstration of Critical Thinking

Students will create garments using the techniques learned and the parameters given by the instructor. They will analyze and evaluate their garments according to skill level and appropriate use of patterns and fabrics that meet the needs of the end user.

## Required Writing, Problem Solving, Skills Demonstration

Students will write descriptions of each technique and provide a written evaluation of garments sewn. The take-home portion of the final exam is in short-answer essay format. Students will determine the appropriate techniques and method of implementation when demonstrating skills needed to create the assigned garments.

## Eligible Disciplines

Family and consumer and studies/home economics: Masters degree in family and consumer studies, life management/home economics, or home economics education OR bachelors degree in any of the above AND masters degree in child development, early childhood education, human development, gerontology, fashion, clothing and textiles, housing/interior design, foods/nutrition, or dietetics and food administration OR the equivalent. Masters degree required. Fashion and related technologies (merchandising, design, production): Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

## Textbooks Resources

1. Required The Readers Digest Association Ltd.. Readers Digest New Complete Guide to Sewing: Revised Updated Step-by-Step Techniques for Making Clothes Home Furnishings, latest ed. Pleasantville: Readers Digest, 2010 Rationale: latest 2. Required Langdon, Nancy J. S. . Singer: the Complete Photo Guide to Sewing. , ed. Creative Publishing International, an Imprint of the Quarto Group, 2018

## Other Resources

1. Fashion 180 technique forms provided through material fees.