



MERCER
COUNTY COMMUNITY COLLEGE

COURSE OUTLINE

Course Number	Course Title	Credits
FAS 150	Technical Skills for Apparel Production I	3 credits
Hours: Lecture/Lab/Other	Co- or Pre-requisite	Implementation Semester & Year
1 Lecture/ 4 Lab Hrs	None	Spring 2023

Catalog description:

Introduces students to basic and intermediate sewing skills applicable to both home and factory production. Upon completion of the course the student will have a strong foundation in the use of the home sewing machine as well as basic to intermediate construction techniques for sewing various garments.

<u>General Education Category:</u> Not GenEd	<u>Course coordinator: (Name, telephone number, email address)</u> Kay Lindsay, Assistant Professor of Fashion 609-570-3135 lindsayk@mccc.edu
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Required texts & Other materials:

A Guide to Fashion Sewing by Connie Amaden-Crawford, 6th edition, Fairchild Books
ISBN: 978-1-60901-001-0

Course Student Learning Outcomes (SLO):

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

1. Identify the tools and equipment needed for garment construction and demonstrate the ability to use them. [Supports ILG #1, 2, 4, 9 & 11; PLO # 1,5,7]
2. Differentiate stitches and seams, both hand and machine, determine the best stitch/seam for the purpose, and correctly implement them. [Supports ILG #1, 2, 4,7,9 & 11; PLO # 1,5,7]
3. Analyze fabrics for weave, weight, purpose, and drape (hand). [Supports ILG #1, 2,4, 7 & 9; PLO # 1,5,6,7,8]
4. Distinguish body types, take accurate measurements, and read size charts. [Supports ILG #1, 2, 3, 4, 9 & 11; PLO # 1,5,6,7,8]
5. Analyze measurements to alter dress forms, the basic bodice and skirt patterns, and commercial flat patterns, understanding how fit and ease relate to design. [Supports ILG #1, 2, 3, ,4,9 & 11; PLO # 1,2,4,5,6,7,8,10]

6. Manipulate fabric for fit and style by understanding the use of darts, tucks, pleats, seam placement, drape (bias vs. straight grain), interfacings and linings. [Supports ILG #1, 2, 3, 9 & 11; PLO # 1,5,6,7,8] [Supports ILG #1, 2, 3, ,4,9 & 11; PLO # 1,2,4,5,6,7,8,10]
7. Implement various construction methods to construct a basic bodice and skirt (sleeves, collars, cuffs, plackets, zippers). [Supports ILG #1, 2, 3, ,4,9 & 11; PLO # 1,2,4,5,6,7,8,10]
8. Orally communicate analysis in class discussions and presentations. [Supports ILG #1, 2, 3, 9 & 11; PLO # 1,5,6,7,8,]

Course-specific Institutional Learning Goals (ILG)

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.

Institutional Learning Goal 2 Mathematics: Students will use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems.

Institutional Learning Goal 4. Technology: Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.

Institutional Learning Goal 8. Diversity and Global Perspective: Students will understand the importance of a global perspective and culturally diverse peoples

Institutional Learning Goal 9. Ethical Reasoning and Action. Students will understand ethical frameworks, issues, and situations.

Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills to understand, analyze, or apply information or solve problems.

Program Learning Outcomes for FASHION DESIGN (PLO)

1. Develop foundation art skills to apply to fashion/apparel design development.
2. Develop and present ideas effectively in both written and oral formats.
3. Understand current trends in the fashion industry from a global perspective.
4. Demonstrate knowledge of a wide range of textiles and manufacturing processes.
5. Use specialized computer applications to create fashion/apparel design elements.
6. Drape fabrics on a dress form in preparation for patternmaking and sewing.
7. Develop sewing skills/techniques to produce finished garments.
8. Design and produce individual fashion and apparel pieces.
9. Understand the basic principles of merchandising.
10. Create a portfolio for use in transferring or gaining employment.

Units of study in detail – Unit Student Learning Outcomes:

Unit I

Tools of the Trade

[Supports Course SLOs # 1&8]

Learning Objectives

The student will be able to:

1. Identify sewing tools, equipment and supplies; differentiate and know the use of types of pins, needles, threads, fasteners, notions.
2. Understand sewing terminology.
3. Take accurate measurements and use them to create a simple pattern.
4. Produce straight seams with consistent and accurate seam allowances.
5. Produce projects that demonstrate proficiency with sewing machines and sergers.
6. Produce projects that demonstrate proficiency with hand stitches.
Demonstrate proficiency with the use of irons, steam and pressing equipment.
7. Discuss his/her work and critically evaluate and justify his/her reasons for choosing one tool/method over another.

Unit II

Fabric

[Supports Course SLOs # 2,3,6]

Learning Objectives

The student will be able to:

1. Identify fashion fabrics (cotton, linen, silk, wool, synthetics, blends, lace).
2. Analyze weave/knit, nap, pile, patterns, plaids, stripes and how they affect pattern layout.
3. Use various cutting tools and evaluate the effects of each on different fabrics.
4. Determine grain and correct off-grain (block a fabric).
5. Understand fabric cut on the bias and how to work with it.
6. Differentiate linings and interfacings and understand their purpose and how to apply them.
7. Demonstrate different layouts and cutting methods and evaluate the best one for each project.
8. Discuss his/her work and critically evaluate and justify his/her reasons for choosing one fabric/layout/cutting method over another.

Unit III

Commercial Patterns

[Supports Course SLOs # 1-8]

Learning Objectives

The student will be able to:

1. Read a commercial pattern
2. identify pattern markings and explain their purpose
3. Transfer markings to fabric,
4. Cut accurately and fit a pattern to a dress form and to a live model.
5. Evaluate fabrics for a specific pattern and/or purpose.
6. Discuss his/her work during a critique and critically evaluate and justify his/her own choices and the work of peers.

Learning Objectives

The student will be able to:

Unit IV

Methods of Construction

[Supports Course SLOs # 1-8]

1. Identify the sequence of assembly of fashion garments
2. Produce a project to demonstrate an understanding of various seam styles and their use.
3. Produce a project to demonstrate an understanding of various style details
4. Produce a project to demonstrate an understanding of simple bias treatments and their use.

5. Produce a project to demonstrate an understanding of simple closure details
6. Produce examples of several types of sleeves, plackets, and cuffs.
Produce examples of diverse types of simple collars, facings and neckline finishes.
7. Produce examples of several types of hems and hem finishes.
8. Produce examples of diverse types of simple waistline treatments
9. Discuss his/her work during a critique and critically evaluate and justify his/her own artistic and vocational practice and the work of peers.

Learning Objectives

The student will be able to:

Unit V

The Finished Product

[Supports Course SLOs # 1-8]

1. Create a muslin toile and fit it on his/her model.
1. Select an appropriate fabric(s) for the style and pattern chosen.
1. Prepare and cut the fabric.
1. Assemble the garments and include finishing fashion details.
1. Discuss his/her work during a critique and critically evaluate and justify his/her own artistic and vocational practice and the work of peers.

Evaluation of student learning: [Evaluates SLOs # 1 –8]

Achievement of the course objectives will be evaluated by the following tools:

- Participation
- Garment Looks
- Swatch Kits

	% of Grade
Participation with all weekly labs and discussions	20%
Look 1	20%
Look 2	20%
Look 3	20%
Swatch Kits	20%
Total	100%