

High School of Fashion Industries
H. Nieto, Principal

10th Grade Fashion Design and construction

The 10th Grade Fashion Design course is designed to guide students through many aspects of garment design and construction. Students will become familiar with the various hand and machine sewing techniques essential for achieving professional results in garment construction.

This course is offered to students that would like to pursue a fashion design career major.

REQUIRED MATERIALS:

- Loose leaf note book, pen and pencils
- Supply box
- Sample/reference binder
- 12" transparent ruler
- Box of pins, pincushion
- Package of hand sewing needles, thimble
- Fabric scissors, seam ripper
- Spool of thread *white & pink*
- French Curve
- Tape Measure
- Bobbin & Bobbin Case
- 8 1/2 x 11 Portfolio
- 8 1/2 x 11 Sketchbook
- Markers
- Color Pencils

• *Note additional art supplies may be required for the Portfolio Development Unit*

COURSE REQUIREMENTS:

- All homework, class assignments including; unit samples, design projects, exams etc. must be completed as assigned neatly and on time.
- Always come to class prepared with your class notebook and all essential tools and supplies
- If absent, you must make-up all missed class work, homework, and exams as soon as possible
- Know your safety rules and practice them daily
- Participate in work place clean up that includes replacing tools and supplies in their proper place
- Class participation includes taking an active role in class discussions and project demonstrations. As well as working cooperatively with your teacher and peers.

★ In addition to class work projects there will be one exam per marking period. As well as at least one fashion related literacy, illustration or research assignment per marking period or schools term

COURSE OUTLINE

Unit 1:

□ GENERAL ORIENTATION

- Student information requirements
- Overview of what will be covered in class in term 1
- Tools and supply requirements
- Class rules and regulations
- Review the need for sample/reference book

ASSIGNMENT # 1: Design a cover page for student's sample/reference book

□ SAFETY RULES AND REGULATIONS

- Review safety test
- Safety test

□ MEASUREMENTS AND MEASURING DEVICES

Review types of measuring tools
How to read a ruler

ASSIGNMENT# 2: Create a measurement bar

□ GRAIN LINE IDENTIFICATION

- Discuss fabric structure and methods of production
- Demonstrate grain line identification

ASSIGNMENT# 3: Locate and identify each grain direction of a muslin swatch

Unit 2:

□ BASIC HAND SEWING

- Basting stitches: Even, uneven, tailored
- Review hand sewing tools, safety: use of thimble and fabric scissors

ASSIGNMENT# 4: Create a hand - stitched sample of each basting stitch

★ ENRICHMENT PROJECTS:

- Hand shirring stitches
- Basted tailored hem finish

□ **HAND HEMS**

- Discuss different types of hand hems and their appropriate use in different fabric and garment applications
- Hem finishes

ASSIGNMENT # 5: Create hand hems stitches:

1. Slip stitch
2. Catch stitch
3. Hemming stitch

UNIT 3:

□ **LOCKSTITCH SEWING MACHINE**

- Review the parts of the lockstitch sewing machine
- Parts of the machine test
- Threading machine and bobbin, and needle replacement
- Review machine operating safety rules
- Machine control

ASSIGNMENT # 6: Machine stitching:

1. Straight/parallel stitching
2. Turning corners
3. Diagonal stitching
4. Half circle stitching

□ **SEAMS AND SEAM FINISHES**

- Review types of seams and their appropriate use in fabric and garment applications
- Discuss decorative seams
- Seam finishes and seam pressing

ASSIGNMENT # 7: Machine stitch seams:

1. Plain seam
2. Tailored seam
3. Over-locked seam
4. French seam
5. Flatfell seam
6. Curved french seam

UNIT 4

□ UNIT CONSTRUCTION AND DECORATIVE SEWING APPLICATIONS

FACINGS TYPES AND APPLICATIONS

ASSIGNMENT # 8: Machine stitch a shaped or fitted facing

POCKET TYPES, APPLICATIONS AND DECORATIONS

ASSIGNMENT # 9: Machine stitch a patch pocket

BIAS AND BIAS APPLICATIONS

ASSIGNMENT #9: Cut and sew bias

- Bias facing/binding

CASINGS AND CASING APPLICATIONS

ASSIGNMENT # 10: Machine stitch a casing with elastic insert

- ★ Enrichment project: Machine stitch a casing with a heading
Machine stitch a casing with a bias drawstring insert

BUTTON AND BUTTON HOLE APPLICATIONS

- Discuss types of button hole and buttons and their functional or decorative use in garment construction
- How to measure and mark a button hole placement
- How to the use of the button hole machine to stitch a buttonhole and adjust the length of the button hole
- How to hand stitch a button to a garment (2 hole, 4 hole and shank)

ASSIGNMENT# 11: Machine stitch a buttonhole and hand stitch a button to fit the buttonhole

- ★ Enrichment project: Create bias loops and hand stitch shank buttons

Unit 5

□ FINAL PROJECT: ROMPER

- Students will use all notes samples and information learned throughout the term to complete a pre-cut baby romper garment.