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Course Details

Course Title : Women’s Wear Drafting 2  
Course Code  : FD-0251-05  
Credit Points :  
Weekly Duration : 4Hrs  
Pre-Requisite : Women’s Wear Drafting 1 (FD-0151-05)  
Co-Requisite : None  
Department  : Fashion Design

General Description

To provide participants with the knowledge and skills through practical exercises, lectures, demonstrations and examples to enable them to identify the configuration of the female silhouette in relation to the cut of more complex ladies upper garments. To provide the students with the ability to draft master slopers (blocks) and to use them to develop pattern interpretation according to the style lines of a sketch for women’s upper wear. To provide the students with the ability to develop muslins from the patterns constructed and analyze them on the mannequin. Students will have to successfully complete practical exercises and an integrated project in order to complete the module.

This class is concentrating on the development of upper garments and blouses for women.

Objectives

On completion of this module, students should develop the knowledge and skills to

1. To understand the vocabulary used in relation to the cut of ladies garments: sleeves and bodice.
2. To identify the configuration of the female silhouette in relation to the cut of a ladies garment.
3. To draft the master patterns for slopers (blocks) and to use them to develop pattern interpretations according to the style lines of a sketch, for standard industrial dress forms.

Methodology

Classes will consist of lectures, discussions, presentations, case studies, exercises, tutorials and project reviews.
Assessment

Students must familiarize themselves with the following policies and procedures. Details of these policies and procedures can be found on the Student Handbook.

- Referencing Style
- Assignment Extension Policy
- Assignment Grading
- Plagiarism Policy
- Collusion Policy

Assignment 1  25%
Assignment 2  25%
Blouse Project  40%
Work Ethics  10%
Total  100%

Recommended Text/Resources

You are recommended to purchase or have access to the following:

   Pearson Prentice Hall
   Copyright 2006 by Pearson Education Corporation

Additional References

Purchase of additional resources is not compulsory.

Winifred Aldrich, Metric Pattern Cutting 3rd Edition
Blackwell Science Ltd. 1994
Weekly Schedule

**Week 1:**
Introduction

**Week 2:**
Drafting of the Sleeve block and Construction of the Long Torso Block

*Assignment 1 making the blocks and pattern pieces and sewing the muslin of a basic torso with Long sleeves*

**Week 3:**
Construction of a dress Block

**Week 4:**
Drafting of the blouse foundation and sleeve variations

*Assignment 2 proper masterplan, blocks and pattern pieces for the blouse*

**Week 5:**
Manipulations of darts, adding pleats, etc.

**Week 6:**
Collar variations, plackets, cuffs, etc.

**Week 7:**
*Introduction of the final assignment, the blouse project*

**Week 8:**
Revision of the students designs and drafting instructions

**Week 9:**
Material sourcing trip and introduction to the markets in chinatown

**Week 10:**
Final drafting of the blouse and sewing instructions

**Week 11:**
Sewing of the blouse project

**Week 12:**
Presentation of the individual blouses
-The Blouse Project- 40%

As you have probably realized by now, this term is all about upper garments and blouses, in the widest possible sense. Your creativity and sense of style are going to be challenged in order to imagine an extraordinary blouse for this term and maybe as a milestone in fashion history. You have all the technical knowledge now to construct a standard blouse, but how far can we push this very basic garment?

Think of new and innovative ideas. Think of the sleeves, think of the way we open and close a blouse. Blouses are traditionally made of woven fabrics, and buttons are an essential part of every blouse. Stretch fabrics are a big ‘No No’.

After your initial designs and first steps of drafting, we will do a material sourcing trip to China town, we will spend the day selecting fabrics and exploring the variety of shops and stalls that the Chinese and Indian markets have to offer. After having purchased the materials we can revise or modify the designs and patterns, if necessary, and start with the final blouse.

Your task is to make a properly finished and sewn garment in a fabric or fabric combination of your choice. The sky is the limit.

Since it is a very elaborate project and your garment is to be very detailed and sophisticated this assignment will have a major 40% of your final grade.

Xoxo
Part 1 all about the bodice block
DIVISION OF MEASUREMENTS:
A) ¼ BUST CONTOUR
B) ¼ OF HALF COUNTOUR OF THE BUST
C) ¼ OF HALF COUNTOUR OF THE BUST
D) 1/8 OF HALF COUNTOUR OF THE BUST

PLAN OF THE BODICE BLOCK

BACK

A-B Center back length = 40 cm.
A-C Half length of the back (A-B + 0.5 towards B).
20 cm + 0.5 cm = 20.5 cm.
Square lines from center back line towards the right on A-B-C.
A-D 3 times 1/8 of half bust contour + 0.75 cm ease.
3 x 5.75 cm = 17.25 cm + 0.75 cm = 18 cm.
C-E Same measurement as A-D.
Draw a line parallel to center back line from D to E.
C-F Half of C-E.
E-G 1/8 of half contour of bust = 5.75 cm.
B-H Same measurement as C-F.
Draw a line parallel to the center back line from F to H.
I-J Back dart = 3 cm.
½ of dart on each side of H.
Draw a line from I to F and from J to F.
B-K Same measurement as C-G.
Draw a line from G-K (guide for the back side seam).
A-L 1/8 of half contour of bust + 1.25 cm constant.
5.75 cm + 1.25 cm = 7 cm.
L-M ¼ of 1/8 of half contour of the bust + 0.5 cm constant.
5.75 cm /4 = 1.43 cm + 0.5 cm = 1.93 cm.
Square a line from L-M upwards.
D-N ¼ of 1/8 of contour of the bust = 5.75 cm / 4 = 1.4 cm.
Draw a line form M to N, extend towards the right.
M-O  Shoulder = 1/4 of half bust contour + 0.5 cm.  
11.5 cm + 0.5 cm = 12 cm.  
Give 0.5 cm ease + 1 cm dart to the shoulder.  
12 + 0.5 cm + 1 cm = 13.5 cm.  

P  Half of M-O (center of the dart).  

Q-R  1/2 of dart each side of P = 0.5 cm.  
Draw a line from F-Q.  
Extend this line 0.5 cm towards the tip at S.  

S-U  7 cm shoulder dart length.  

U-T  Same length as S-U = 7 cm.  
Draw a line from T-O and from S-M.  

N-V  Half of N to E.  

V-W  3 cm constant.  
Draw a line from O-V.  
Curve 0.25 cm in at the center of this line.  

W-G  Draw a curve 2.8 cm from E at 45 degrees.  

M  Draw a curve 1.5 cm from L at 45 degrees (back neck line).  

B-X  Take the measurement of the back skirt waist line to mark point X.  

FRONT  

1-2  Place M on square with center back A-B.  
Raise front 1.5 cm constant.  

1-3  Same measurement as C-B  

3-4  3 times 1/8 of half contour of the bust + 2.25 cm constant.  
3 x 5.75 cm = 17.25 cm + 2.25 = 19.50 cm.  

4-5  1/8 of half contour of the bust = 5.75 cm.  

4-6  Half of 3-4 moved 0.5 cm towards point 3.  

1-7  Same measurement as 3-5.  
Draw a line from 5-7.  

1-8  Same measurement as 3-6.  
Draw a line from 6-8.  

6-9  From point 6 lower 1 cm constant for bust level.  

10-11  Front dart = 2.5 cm.  
Half of dart on each side of point 8.  
Draw a line from 10-9 and from 11-9 as dart legs.
2-12 Same measurement as 3-4.
   Draw a line from 12-4.

2-13 1/8 of half contour of the bust + 1.25 cm constant.
      5.75 cm + 1.25 cm = 7 cm.

2-14 Same measurement as 2-13, 7 cm.
      Draw a line form 14 to 9 (bust level).

12-15 1/8 of half contour of the bust, 5.75 cm.
      Draw a line form 15-9 (bust dart).

12-16 1/3 of 1/2 of half outline of the bust + 0.3 cm.
      11.5 cm / 3 cm = 3.8 cm + 0.3 cm = 4.1 cm.

15-17 Front shoulder = 1/4 of half contour of the bust + 0.5 cm + 0.5 cm ease.
      11.5 cm + 0.5 cm + 0.5 cm = 12.5 cm.

18 1/3 of 12-4.
   Draw a line from 17-18.
   Curve 0.5 cm in the center of this line.

14-19 Same measurement as 2-13 = 7 cm (at 90 degrees from 14).

19-20 1/3 of 2-19 less 0.3 cm.
      Draw a curve to point 14.

21 1/2 of 15-17 (position of shoulder dart).

18-5 Draw a curve 2.5 cm from point 4 at 45 degrees.

1-22 Taken the same measurement from the front skirt block of the same size to apply of this basic bodice
      block front waist line.

5-23 1/5 of 5-22, position of bust dart on side seam.

Slash from shoulder line at point 21 down to bust apex point and close towards the front neck line.
Fold each dart: front shoulder dart, front waist dart, back shoulder dart and back waist dart from center towards
the side to get the dart cap and notch position.
BASIC SLEEVE BLOCK

33 BICEP CONTOUR

15 TOP SLEEVE

6 7.5 ARMHOLE WIDTH

9.75 9.75

0.7

33 ELBOW

58 SLEEVE LENGTH

22 WRIST

womensweardrafting

2 12
PLAN OF THE SLEEVE BLOCK

Draw a vertical line parallel to the straight edge of the paper.

Mark point A at the top of the vertical line.

A-B  Height of the top sleeve (from sleeve head to the bicep level) = 14.9 cm.

A-C  Sleeve length = 58 cm.

A-D  ⅛ of A-C + 4 cm constant.
     58 cm / 2 cm = 29 cm + 4 cm = 33 cm.
     From point B-D-C, square the line to both sides.

A-A1  ½ armhole width + 4 cm constant.
      11.5 cm / 2 cm = 5.75 cm + 4 cm = 9.75 cm.

A-A2  Same measurement as A-A1.
      Square a line on A1 and A2 down to the biceps level at point E and F.

A-A3  ⅛ of A-A1 = 4.9 cm.

A-A4  ⅛ of A-A2 = 4.9 cm.

A-A5  ⅛ of A-A3 = 2.45 cm.

A-A6  ⅛ of A-A4 = 2.45 cm.

E-E1  1/3 of A1-E + 1 cm constant.
      15 cm / 3 = 5 cm + 1 cm = 6 cm.

F-F1  ⅜ of A2-F.  15 cm / 2 = 7.5 cm.
      Draw lines from A3 to E1 and from A4 to F1: prolong to the biceps level.

A3-A7  Is the same measurement to A3-A.
      Draw a line from A5-A7.

A4-A8  Is the same measurement to A4-A6.
      Draw a line from A6-A8.

C-C1  ⅜ of wrist size = 11 cm.

C-C2  Same measurement as C-C1.
      Draw lines from B1-C1 and from B2-C2 and curve the top of the sleeve.

- Transfer front and back armhole notches from the bodice to the sleeve.
- To do the shoulder notch: Measure front and back armhole of the bodice. Take the measurement to measure both sides of the sleeve head. Divide by ⅛ to the gap left over and make a notch to match the shoulder seam line.
LONG TORSO BLOCK
- Trace front and back bodice blocks at the same level at bust and waist levels.
- Put back skirt block at center back line with waist line on the same level and trace the skirt block until the hip level only. Follow the back bodice dart and draw new back dart at the same level as the back skirt dart apex point.
- Extend the hip level towards front bodice block reaching to center front line.
- Put front skirt bodice at center front line with hip line on the same level as the back hip level (waist level of the front bodice and the front skirt block may or may not overlap).
- Follow the front bodice dart and draw new front dart at the same level as the front skirt dart apex point.
- Measure 1 cm up from the hip level along the side line of both front and back long torso blocks and do the perpendicular hem.
DART MANIPULATION

Is a method of altering the position of a dart from one place to another, thus achieving a number of design and style variations.

There are two basic methods:

1) Pivoting
2) Slashing

PIVOTING:

- Trace the block, draw the dart.
- Determine the position of the desired dart. Make a mark on the paper as well as on the block.
- Keeping the apex as pivot, (use pencil or pin) turn the block clockwise or anti-clockwise (as needed) until the value of the existing dart is eliminated.
- Retrace the block.
- Transfer the mark form the block to the paper.
- Obtain the value of the new dart by shorten the dart (if needed: this means we have also shifting the position of the apex point of the dart). Apex point shouldn’t be close to the bust point because it can create conical shape at the bust area. Bust area need to be soften for comfortable in wearing.
- Draw new dart and develop the dart cap/hat.

SLASHING:

- Trace the block, draw the dart.
- Determine the position of the desired dart.
- From this point trace a line to the apex.
- Slash it.
- Close the value of the existing dart.
- Obtain new dart.
- Draw new dart and develop the dart cap/hat.
DIFFERENT TYPES OF BODICE BLOCKS

BLOCK NO #1:
- Obtained from the construction with one shoulder dart and one waist dart for front bodice.

BLOCK NO #2:
- Transfer the shoulder dart to the sideline at 4 cm down along the side line from the under armhole position. One bust dart and one waist dart.
BLOCK NO #3:
- Transfer the shoulder dart to the waist. One dart at the waist.
Elimination of Back Bodice Block's Shoulder Dart
Part 2 the blouse foundation
Shirt Sleeve Foundation

MATCH A-B LENGTH OF BODICE ARMHOLE

TAKE IN TO MATCH:
- SLEEVE HEM LENGTH

SLEEVE HEM LENGTH - 2 PLEATS
Part 3 the blouse details

Shirt Front Plackets

One Piece Sleeve Placket
Basic Shirt Collar Foundation

Collar Stand 3.5

Back Neck Measurement Front Neck Measurement

Center Back Shoulder Notch Center Front

Curve

Shirt Stand Collar

Collar Stand

Shirt Stand Collar with Folded End

1/2

15°Overlap

Shirt Collar with Collar Stand and Collar Falls

Collar Falls

1/2

0.4

0.4
Shawl Collar
Part 4 sleeve variations
Bishop Sleeve with French Cuffs

French Cuff
(Use with cufflinks)
Kimono Sleeves and Dolman Sleeves
Circular Hem Sleeve
Cap Sleeve

DESIGN 1

DESIGN 2

self-faced

1/2

1/3

2.5

2.5

1