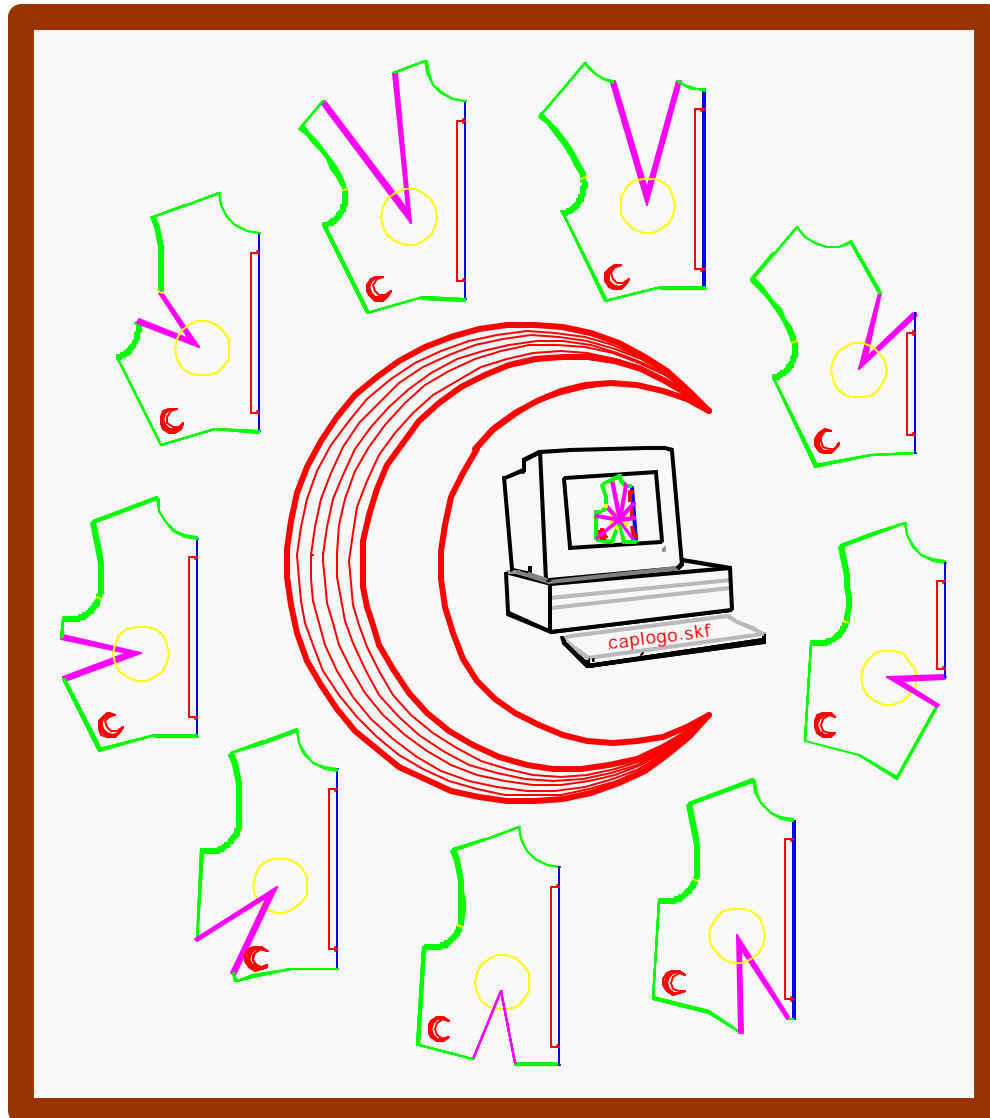
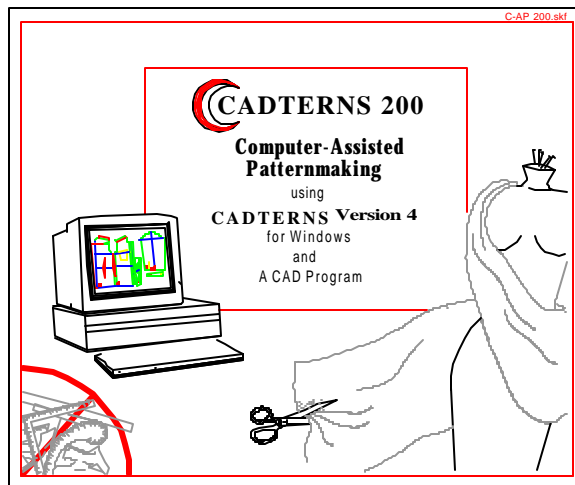


CADTERNS Cyber School of On-line Learning



Learn how to turn personal **CADTERNS®** Ready-to-Style™ slopers into personal Ready-to-Cut™ sewing patterns using the best of both manual and computer tools and techniques. For an overview of lessons as they become available, download the **C-AP Courses Outline** that follows. Please note that the new shaded [Pattern Styling Series](#) corresponds with sections in the 100 and 200 series.



CADTERNs[®] Computer-Assisted Patternmaking[™]

Cyber Courses Outline

CADTERNs Cyber courses use a combination of:

- HTML (Rich Text) format
- E-mail attachments
- Requirements:
 - Your own custom sloper drawings obtained from one of the following:
 - ⇒ CADTERNs Pro
 - ⇒ CADTERNs Lite
 - ⇒ CADTERNs DXF drawing files available through e-mail
 - ⇒ Other **DXF compatible** drafting or drawing files
 - E-mail address
 - WWW browser such as Netscape or Internet Explorer
 - Traditional drafting tools for manual patternmaking
 - CAD program for digital patternmaking.

You are invited to do one or more of the following:

- A.** Complete all exercises and assignments manually for credit toward a **CADTERNs Level I** certificate.
- B.** Complete exercises and assignments digitally for credit toward a **CADTERNs Level II** certificate.
- C.** Design an ensemble of your choice, style and sew the patterns. Keep illustrated records and photographs for the purpose of demonstrating patternmaking skills and problem-solving capabilities for certification in **CADTERNs Level III (Instructor)** certificate.
- D.** Select as many or as few of the courses as you wish, for your own personal interest and enjoyment.

Credit for assignments can be obtained by submitting screen print files and photos by attachments to e-mail.

CADTERNS 100 Series: Maximizing Benefits of CADTERNS Lite

Computer-Assisted Patternmaking™ using CADTERNS

CADTERNS 100: Introduction – Maximizing Benefits of Lite

- ⇒ Personal patternmaking system
- ⇒ Test Fit
- ⇒ Digital (Computer-Assisted) Patternmaking
- ⇒ Limited, Lite or Pro?
- ⇒ Cut, Fit, Style and Design

CADTERNS 101: Measurements

- ⇒ First Four
- ⇒ Several More

CADTERNS 102: Ready-to-Style Slopers

- ⇒ Personal Starter Set
- ⇒ PAT Files
- ⇒ Personal City Personal Starter Set
- ⇒ Personal Pattern Libraries
- ⇒ Sloper Generations

CADTERNS 103: Ready-to-Cut Patterns

- ⇒ Print Sloper Pattern
- ⇒ Cut Test Garment
- ⇒ Sew Test Garment
- ⇒ Fit Test Garment
- ⇒ Pinch-Fitting
- ⇒ Using Personal Slopers for Styling New Patterns
- ⇒ Using Personal Slopers for Fitting Other Patterns

CADTERNS 104: Ease

- ⇒ Default Ease
- ⇒ Ease Modifications
- ⇒ Setting Length with Ease
- ⇒ Styling with Ease
- ⇒ Casings for pull-on Styling
- ⇒ Dirndl Skirts
- ⇒ Blouse and Shirt Dresses
- ⇒ Stretch Fabric Fashions

CADTERNS 105: Configuration Options

- ⇒ Including or excluding Seam Allowances and Hems
- ⇒ Space Between Sloper Blocks
- ⇒ Overlaying Patterns
- ⇒ Printing CADTERNS Screens
- ⇒ Overlaying Patterns
- ⇒ Interchanging metric and imperial

CADTERNS 106: Combining Slopers

- ⇒ Interchanging Sloper Sets

- ⇒ Interchanging Sloper Blocks
- ⇒ Outfits and Layering

CADTERNS 110: [Anatomy of a Dart](#)

- ⇒ [Styling](#) Personal Patterns Manually
- ⇒ Cut and Spread (Pivot and Slide) Manual Patternmaking Techniques

CADTERNS 111: Rearranging Darts

- ⇒ [Rotating](#) Darts Manually
- ⇒ [Combining](#) Darts Manually
- ⇒ [Dividing](#) Darts Manually

CADTERNS 112: Converting Darts

- ⇒ [Tucks](#)
- ⇒ [Gathers](#)
- ⇒ [Seamlines](#)
- ⇒ [Flare](#)
- ⇒ [Fullness](#)

CADTERNS 113: Adjusting Fullness

- ⇒ Ease
 - Movement Ease
 - Design Ease
- ⇒ Further Fullness
 - Straight Fullness
 - Circular Fullness

CADTERNS 114: Applying Finish

- ⇒ Functional Finish
 - seam allowances
 - hems
 - facings/interfacing
 - button/buttonhole closures
- ⇒ Decorative Finish
 - Pockets
 - *ETC.*

CADTERNS 120: Altering Other Patterns with **CADTERNS** Custom Slopers

- ⇒ Sloper of origin
- ⇒ Reference Lines
- ⇒ Reference Points
- ⇒ Darts

CADTERNS 200 Series: Maximizing Benefits of CADTERNS Pro

Computer-Assisted Patternmaking™ using **CADTERNS** and a CAD program:

- ⇒ 200 From Cut and Spread to Rotate and Stretch
- ⇒ 201 Styling an A-Line Skirt
 - Convert dart to flare

- Modify length
 - Add seam allowances and hem
 - Rename pattern pieces
 - Retrieve pocket from library
- ⇒ 202 Drafting a Perfect Pocket
- DRAW: lines, circles, arcs
 - MODIFY: erase, copy, break, undo
 - ASSIST: Snap, Ortho, Attach
 - Add facing and seam allowances
 - Accurately position buttons and buttonholes
 - Create pocket library
 - Add scallop edge pocket to library
- ⇒ 203 Adding a Yoke to an A-Line Skirt
- Rotate back dart
 - Convert back dart to yoke
 - Add corresponding front yoke
 - Add circular fullness
 - Add hem facing
 - Group pattern pieces
 - Name pattern pieces
- ⇒ 204 Pattern Layouts and Markers
- Rotate, mirror and reposition pattern pieces
 - Draw paper pattern
 - Draw fabric layout
- ⇒ 205 Project Documentation
- Naming pattern pieces
 - Design details
 - Styling details
 - Finishing details

CADTERNs 210: [Anatomy of a Dart](#)

- ⇒ [Styling](#) Personal Patterns Digitally
- ⇒ Rotate and Stretch Patternmaking Techniques,

CADTERNs 211: Rearranging Darts

- ⇒ [Rotating](#) Darts
- ⇒ [Combining](#) Darts
- ⇒ [Dividing](#) Darts

CADTERNs 112: Converting Darts

- ⇒ [Tucks](#)
- ⇒ [Gathers](#)
- ⇒ [Seamlines](#)
- ⇒ [Flare](#)
- ⇒ [Fullness](#)

- ⇒ 220 Pleated Skirt
 - Add straight fullness
 - Pleat placement
 - Shape waistline
- ⇒ 230 Palazzo Pants
 - Add elastic casing for pull-on pants
 - Add circular fullness
 - Draw flared hem facing
- ⇒ 240 Sundress
 - Style scooped neckline, sleeveless bodice
 - Neckline and armhole facings
 - Add dirndl skirt
- ⇒ 250 Blouse with yoke
 - Rotate bust dart
 - Convert dart to seamlines for yoke
 - Modify button closure - yoke only
- ⇒ 260 Princess Style Sheath
 - Style sheath skirt into V-Line
 - Convert darts to seamlines
 - Add trumpet styling

CADTERNS 300 Series: Innovations and Applications

Demonstrate Computer-Assisted Patternmaking™ Skills using **CADTERNS** and a CAD program:

Suggestions for self-directed exploration include:

- ⇒ 301 Personal Patternmaking Application Project
 - Profile subject or scenario for personal patternmaking
 - Assemble personal Style File from magazines, catalogues, etc.
 - Draw information illustrations for some of the styles from personal file
 - Choose an outfit from your Style File. Select the sloper or combination of slopers and metamorphose the patterns, keeping an illustrated log or a Morphwheel™ of completed steps.
- ⇒ 302 Other pockets, same methods
 - Decorative Edges and Other Variations
 - Multiple Patch Pockets and Uses
 - Other-than-Patch Pockets
- ⇒ 303 Same pockets, other methods
 - Polylines
 - Absolute Co-ordinates
 - Relative Co-ordinates
 - Polar Co-ordinates

- Ortho
 - Break, Extend and Trim
- ⇒ 304 Third generation slopers
- Select style based on 1st or 2nd generation sloper
 - Use style as sloper for other new styles
 - Illustrate a full wardrobe based on new 3rd generation slopers
- ⇒ 305 Drawing a Custom Croquis
- Profile subject for personal patternmaking (Self or Other)
 - Information Illustrations
 - Inspiration Illustrations
- ⇒ 306 Instructional Morph Wheels
- Morph Wheel instructional system
 - Morph Wheel Template
 - Metamorphosing a Style
 - Sewing Sequence Documentation
- ⇒ 306 Self Directed Special Application, e.g.:
- Special Circumstance Problem or Purpose
 - Define and Document System
 - Sloper Management System
 - Personal Style Development

Pattern Styling Series – Using Manual and Digital Techniques

Credit Equivalent CADTERNS 110 – 113 and (or) 210 - 213

⇒ Dart Art 1

- Anatomy of a Dart
- Disposable Experiments
 - Quarter Scale Slopers
 - Quarter Scale Dressforms
 - Quarter Scale Patterns
- Rearranging Darts
 - Rotating to other Seamlines
 - Combining Two Darts into One
 - Dividing One Dart into Two

⇒ Dart Art 2

- Styling Sequence
- Converting Darts
 - Tucks
 - Gathers
 - Seamlines
 - Flare
 - Fullness

⇒ Fullness

- Squared Fullness

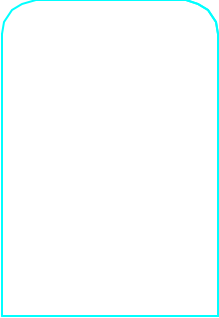
o Flared Fullness

⇒ Finish

- Functional Finish
- Decorative Finish

... CAPMWMORPHWHL.skd

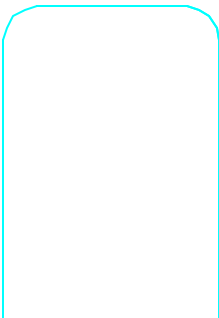
Sloper Styling Style Morphwheel



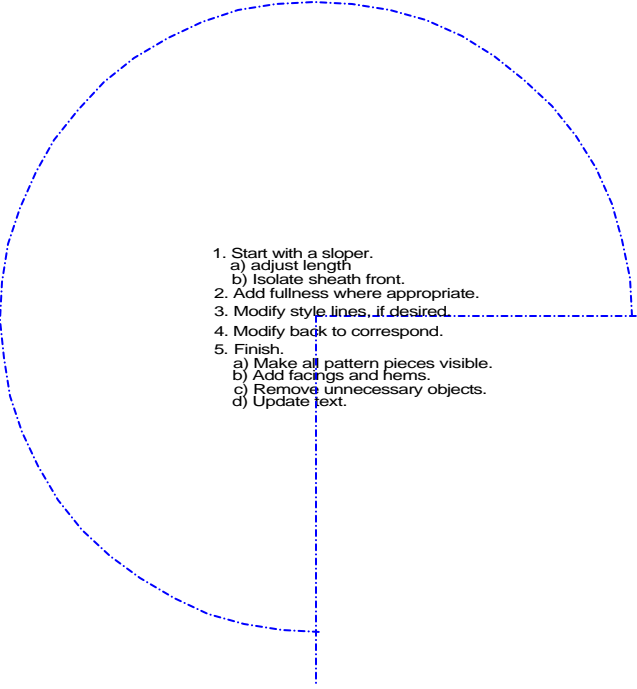
Start

Shorthand terms:

l	= line	
p	= point	
CF	= centre front	
CB	= centre back	
SS	= side seam	
np	= nip	
ch	= crotch	
wt	= waist	
bt	= bust	
kn	= knee	



Finish



① Start

Finish

1. Start with a sloper.
 - a) adjust length
 - b) isolate sheath front.
2. Add fullness where appropriate.
3. Modify style lines, if desired.
4. Modify back to correspond.
5. Finish.
 - a) Make all pattern pieces visible.
 - b) Add facings and hems.
 - c) Remove unnecessary objects.
 - d) Update text.

