



Fall 2016

18 week Course – 15 Class Sessions (3 Monday Holidays)

Starts: September 12, 2016 Ends: January 23, 2017

Mondays 4 – 9 pm

Instructor: Joan McKenna

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619-588-2244

Blog: [www.sewalongwithjoanie.wordpress.com](http://www.sewalongwithjoanie.wordpress.com)

**Fundamentals of Patternmaking**

## **Draping on Body Doubles**

**Location:** West City Campus  
3249 Fordham Street  
San Diego, CA 92110  
Room 209 & 203

ALL My Syllabi are ALWAYS subject to change.

Before or After the First Day of Class: Download, Print, and Read this syllabus, Class Etiquette Notes, & Patternmaking Glossary. Bring everything to class and be prepared to take notes, fill out registration and other forms.

**YOU ARE RESPONSIBLE FOR THESE.**

**Hospitality and Consumer Sciences**

**SLOs, Visions, Missions, Entrepreneurial Fashion Patternmaking (EFP)**

**Program Purpose/Vision:** The purpose is to provide San Diego Community College Continuing Education with non-credit courses consistent with the current Family and Consumer Sciences Program Plan for Community Colleges.

**Mission Statement:** Students completing courses or programs in San Diego Continuing Education's Hospitality and Consumer Sciences department will gain knowledge and skills in any of the possible subject matter offerings (foods/nutrition; culinary arts/hospitality/fashion productions/fashion merchandising/textiles/interior design/life management/consumer issues and personal development) in order to prepare for vocational careers in the above and to positively affect one's quality of life. The vision is to increase professional development, expand course diversity, enhance CE's image and grow enrollments in HCS.

**SDCE Institutional Student Learning Outcomes:**

**1. Social Responsibility**

SDCE students demonstrate interpersonal skills by learning and working cooperatively in a diverse environment.

**2. Effective Communication**

SDCE students demonstrate effective communication skills.

**3. Critical Thinking**

SDCE students critically process information, make decisions, and solve problems independently or cooperatively.

**4. Personal and Professional Development**

SDCE students pursue short term and life-long learning goals, mastering necessary skills and using resource management and self-advocacy skills to cope with changing situations in their lives.

**5. Diversity**

SDCE students incorporate and use principles of civility and compassion as they develop knowledge and skills: recognizing, respecting and valuing the place and role of all individuals in their community.

**Fashion Discipline Student Learning Outcome (SLO):**

Students completing a fashion or fashion production course or program will be able to understand and apply concepts, technologies, related skills and techniques by successfully completing class projects in order to prepare for fashion careers.

**Entrepreneurial Fashion Patternmaking (EFP) Program (SLO):**

By mastering the skills and techniques necessary to make patterns, the students exemplify that they are ready for an entrepreneurial venture in the field of fashion production.

**EFP Module and Course Student Learning Outcomes (SLO):**

**Module 1: Patternmaking Essentials & Fit**

Students will learn the basic essential patternmaking techniques necessary to make a production quality master sloper pattern or design. They will build upon this skill by being able to drape, flat pattern manipulate, or custom style a garment with ideal fit.

**EFP 2: Draping on Body Doubles**

Students will establish their knowledge and competencies by draping, patterning and building a final dress that fits their dress form, fit model or themselves.

**Course Objectives:**

Students will demonstrate their class acquired learning and competencies through practical applications, plus written and oral communications. At the end of the course, with reasonable attendance, the student should be able to prove their ability to:

1. Write personal goals (SLOs) and evaluation of their achievement upon completion of the course.
2. Use patternmaking terminology, basic patternmaking tools and techniques throughout the course.
3. Manufacture a standard couture dress form to the wearing comfort level measurements of a fit model.
4. Design 3 garments on a croqui that flatters the body proportions of the fit model.
5. Understand how the time saving techniques of draping help flat patternmaking in garment production and in fit.
6. Drape and convert the drape into an industry standard pattern.
7. Validate and showcase skill using the principles of draping by producing an original draped design with appropriate broadcloth fabric and findings to produce the finished image desired.
8. Recognize skills that are transferable to entry level positions in the fashion job market including: research, communication, soft skills, and entrepreneurial patternmaking services. Identify employment, career and venture possibilities.
9. Student **must** attend 80% of the classes in the course. Missing more than 20% of the course hours will effect learning, grade, and program certificate earning ability. (I wrote a Patternmaking Program that has NOT been approved, yet.) What you don't finish in class will be assigned for homework. Keep up with the assignments.

### **Method of Instruction:**

Methods of Instruction may include, but are not limited to: classroom lectures, laboratory classroom discussions, digital and hardcopy handouts, collaborative learning, peer guidance, demonstrations, patternmaking software programs, internet research, You Tube, accounting and document processing programs, books on disk, text books, library building books, recommended readings, audio-visual presentations, field trips, guest speakers, completion of portfolios, student presentations, sewn projects, personalized attention, and other student projects. This course, or sections of this course, may be offered through hybrid distance education. To get Individualized Help: Write your name on the white board in descending order under the word "Help."

**Syllabus is subject to change at the discretion of the instructor.**

## **Draping on Body Doubles Student Syllabus and Needs List**

**Week 1: Monday September 12: Room 209** – First Day of Class. Introductions. Computer Registration. Use your CSIDs number. Student Learning Outcome Sheets. Tools and Equipment supplied by the School. Syllabus. Patternmaking Terms. Measuring Handout. If you use a fit model, they will need to come to class several times for fittings. Classroom Etiquette. Handouts and Resources and a **USB**. Keep up with assignments. **Homework is a must !!!** **DRESS FORMS CAN NOT BE STORED AT THE SCHOOL. I HAVE NO SECURE PLACE FOR THEM.\*\*** Sewing

Level required for the course: Intermediate/Advanced or talk to the instructor. Need to know how to fit and sew. Cutting in room 209. Computers in Room 208. Access to a sewing machine or TLC for the school's machines. Signing out Sewing Machines to use/EROs. Required & Recommended Text(s). Receiving help and learning from each other. Always list your topic on the "Help" board. Buying your project needs and patternmaking supplies. **The 48 inch 2-way separating zipper from J&N. Keyston Stuffing.** You will need your lifetime sewing kit. Email your absences to the instructor. **Cleaning up at end of EACH class: 8:45 PM. Students need to Sweep and make sure the tables are spray cleaned before they go home.** Today's Lesson: Buying a dress form. Check Ebay and Overstock.com. Measuring for your dress form and slipcover. Lap Tops and free programs. Supply list and what to wear for measuring next Monday Night. What is a croqui? (ONE is in your syllabus) Designing on Croqui – Power Point Presentation.

*I realize that this class is starting AFTER this field trip. BUT.....if you downloaded, printed and read your syllabus early, you may want to come. It would be fun to meet you, early.*

*Also: I want to advise you of a new place to buy fabric in La Mesa. This place has different kinds of fabrics. I would not buy any other sewing supply there. Go to Yardage Town and Central Sewing. Their quality is better. You can also check [www.wawak.com](http://www.wawak.com). Check out Hobby Lobby @ 8810 Grossmont Blvd. CA La Mesa, 91942. They have light denim with no stretch in solid colors for your dress forms.*

*You will need to go to Joanne's to get a dress form. They seem to be on sale. [www.joanannfabrics.com](http://www.joanannfabrics.com) Also check, Ebay, Thrift Shops, and Craig's List.*

**Homework: Remember to bring your syllabus to Saturday's Fandango !!!!!**

**Saturday, Sept 10, 2016:** Fandango Field Trip to buy project needs and sewing supplies. Remember to bring your supply money and your syllabus. I have asked my Sewing Techniques Portfolio Class, my Upcycling Classes, and my Flat Pattern Manipulation Class to join this fandango.

**9:30 AM - Yardage Town.** 1043 Broadway. El Cajon. 92021. Phone: 619-444-3208. Buy your fabric, notions, and supplies here for your dress form. Carol is the manager.

**11-11:30 AM - Central Sewing.** 1125 North Second Street. El Cajon. 92021. Phone: 619-447-3244. See Babylock and INDUSTRIAL sewing machines. Meet the owners: Paula and Mike Rupley. Good deal on a dress form - \$159.00. Patternmaking ruler and tools.

? Lunch ? **MJ's Family Restaurant** 576 North 2nd Street. El Cajon, CA 92021 (619) 444-1902  
<http://mjsfamilyrestaurant.com/>  
**El Cajon Bistro.** 109 Jamacha Road, El Cajon, CA 92019 (619) 590-0278.  
[www.elcajonbistro.com](http://www.elcajonbistro.com).

**Homework: Pre-shrink your fabric.**

**Week 2: Mon. Sept 19 Room 209** – Measuring for your slipcover. Taking pictures for your personal croqui. Need to wear a dark tight t-shirt and leggings. **Check the needs list for what you need for today's Class !!!!!** Have you Ordered your 48 inch zippers???? **Homework:** You will need the Function Key Strip, Your cell phone pictures, your measurements, and your USB for the next class.

**Student Needs List for Measuring Day: Monday – Sept 19<sup>th</sup>, 2016.**

**DARK** Body Suit, or Leotard, or bathing suit, and tights, or leggings. You can wear a tight fitting t-shirt and tight shorts.

Socks (Measurements are taken without shoes on.)

**GOOD BRA** – to be permanently put on the dressform. Needs to be one you like.

Post-it notes

Correction Tape

Fairly New or New Tape Measure

?Armpit/Crotch Tape Measure only IF you have one.

Ultra and fine Sharpie Markers

1 or 2 sharp Pencils with erasers

Straight Pins

6 inch Sewing Gauge

6 or 7 Large Safety Pins

Enough 1 inch elastic to cover your bust, waist, hips, and abdomen, + 6 inches.

“Anything” Scissor

2 or 2 ½ yards of weighted cord with ends sealed. Noose one end.

Highlighter

**Week 3:** \_\_\_\_\_ – We will be in West City Center **computer room 208** for the class. We will be making our croqui pictures and our dressform cover pattern. Bring your **USB** and a fairly new tape measure to class. We will be using Patternmaker Software to produce a dressform cover in your fit model’s size. We will be using Paint.net to make our croqui pictures. Thanks to Megan Leppert, we can use the computer room.

Remember to put your printer-ready PDF pattern on your **USB**. You will need to take it to **Staples** to print it out on their wide carriage plotter. Bring your **USB** and syllabus to Staples. Your 36 inches wide x 108 inches long pattern should cost around \$16 to print. **The ONLY Staples that can NOT do this is the Staples on Rosecrans.** All the rest of the San Diego Staples can print the cute PDF patterns. Here is what the Staples personal need to know:

Use black and white wide format printer  
20 lb. bond roll. 36 in wide.  
Use no page scaling > NONE  
Auto rotate and center is OK  
Do NOT Print color. Print in BLACK only.  
Properties: Advanced Setting  
Post Script Custom Page Size: Width 36 in. Height 108 in.

Click OK when it says: “The custom page size parameters you have entered are inconsistent. Click ok to let system automatically resolve the inconsistency. Click cancel to stay in the dialog and resolve the inconsistency yourself.”

Just Click OK !!!!! Then OK, OK, OK, until you get back to the original print window. The composite preview should show NO shading. Click PRINT and be patient. It takes a minute or two to start.

**!!!!!!!!!!!!VERY IMPORTANT Homework:** Cut out your Patternmaker computer generated pattern with one inch seam allowances. Remember the long sleeve to use for the right arm. There is NO TIME to pin the pattern together and try it on. Cut and sew your NON STRETCH DENIM dress form cover

and right arm on grain with **machine basting stitches**. Bring the cover and right arm in and Have a fitting with the instructor. Leave back zipper place totally open. Have a **fit model** fitting with the instructor in the next class. Remember to always wear your DRESSFORM BRA when having dressform fittings.

**Week 4:** \_\_\_\_\_ – WWC Room 209. Continue to Fit and sew with big basting stitches. Remember to always wear your DRESSFORM BRA when having dressform fittings. **Machine baste** zipper in center back. Zipper heading should be 1 inch down from neck edge. The extra length of zipper, needs to hang freely at the bottom of the slip cover. Zipper needs to be inserted right side out. Have another fitting. Remember to always wear your DRESSFORM BRA when having dressform fittings. Once the dress form is fitting you correctly, resew with small 10 to 12 stitches per inch. In the final fitting, we will mark your side seams, CF, CB, Bust, Waist, Hips, and Cross Mark Apex in pencil. Complete the “casing bottom” of the form cover so that it pulls tight with the cording inserted.

**Week 5:** \_\_\_\_\_ – Measure and make the dress form 1 inch SMALLER than your measurements. (Bust, Waist, Hips) Pad out with upholstery batting 2 inches extra for the bust, 1 inch extra for the waist and 2 inches for the high and low hips . Put on the bra. Hide the dress form keys in the bra. Use the cleaner's plastic to be able to easily fit your dress form cover on the dress form. Fit your dress form cover on the dress form using the dry cleaner's plastic. Zip up the cover. Measure your basic measurements on the form. FOR EASE: Make the tolerance 2 inches bigger than your bust measurement. For your waist, make the tolerance 1 inch bigger. For your high and low hips, use 2 inches of tolerance. **Homework:** Cover the armhole and neck openings with extra pieces of fabric. Hand stitch in place.

**Week 6:** \_\_\_\_\_ – Catch up day. ~~Sew on Soutache braid by hand~~ Use 3/32 inch draping tape to mark: side seams, CF, CB, Bust, Waist, Hips, and Cross Mark Apex. Work on completing your right arm. Baste together the dress form “arm.” The arm should be made for the right side of the dress form. Fit the fabric arm to your arm. It should be a tight fit. Resew with default stitching. Completely sew up the “arm” openings putting maxi piping in wrist and cap. Stuff according to the directions in your text. To prevent overstuffing: compare measurements of stuffed bicep with your bicep measurements. Correct stuffing as needed. Dress form arm should have a tolerance of 1/2". What you didn't finish in class, is assigned for **Homework**.

**Week 7:** \_\_\_\_\_ – You will need the \* asterisk items from the needs list. We will **drape and pattern** the bodice front and back this week. You will “Drape Along with Joanie” in class. Trust me. It is easy with your text – page 36. Connie Amaden-Crawford does a great job. Today, I will grade your completed Dress Form. Pictures will be taken for grading during week 9. **Homework:** Draw on your croqui, your final designs. From the 3 designs, we will decide together which one you will drape. *I know, that you may be uncomfortable using this new skill. Stick to things you can drape from our text book.*

**Week 8:** \_\_\_\_\_ – Basic Skirt and Pattern – page 78. We will create patterns from the drapes. You will “Drape Along with Joanie” in class. You will make patterns for homework. Pictures will be taken for grading. Fit time, we will drape the Basic Torso Pattern – page 106. We will create patterns from the drapes. You will “Drape Along with Joanie” in class. Pictures will be taken for grading during week 9. **Homework:** Take some pattern paper home and trace off your Basic Skirt and Torso Patterns.

**Week 9:** \_\_\_\_\_ – Give the instructor your chosen croqui fashion designs. Together we will decide which one you will drape. I will photocopy the chosen design. **KEEP ALL DESIGNS SIMPLE.**

Design at least 3 original dresses on 3 separate croqui. Each dress must show: front, both sides and back view. One of these designs will be made up into your final draped garment. Number your designs 1 for first choice, 2 for second choice and 3 for third choice. Discuss your choices with the instructor. While the instructor is grading and taking pictures: Drape a Princess Bodice. p 168. Do NOT Create patterns from the drapes. You will NOT be “Draping Along with Joanie” in class. Show the instructor your drapes on your dressform.

**Saturday, November 5, 2016** - Sew Pro's Field Trip to the LA garment District and M & L Fabrics. \$50. Call Clairmont Sew Pro's for details: 1-858-279-2500.

**Week 10:** \_\_\_\_\_ – Everyone will drape Dartless Shapes – p. 192. Students will pair off and drape Necklines, Collars and Cowls. There are 12 collar and cowl designs. Chapters: 15 - 17. Pp 339 - 410. Notched Jacket Collar: pp. 379. Class presentations.

**Week 11:** \_\_\_\_\_ – Chapter 12. Skirts. Page 229. Class will split in pairs. Class presentations.

### **Thanksgiving Break: November 21 - 25**

**Week 12:** \_\_\_\_\_ – Begin work on your original draped dress from your croqui design picture. You will create patterns from the drapes. You will sew the dress up with zippers, or other closures. Yes, you will be flat patterning facings. I will show you how. Final pictures will be taken the last day of class on your fit model.

**Week 13:** \_\_\_\_\_ – Continue working on your original dress.

**Week 14:** \_\_\_\_\_ – Continue working on your original dress.

### **Winter Break. Dec 19, 2016 – Jan 2, 2017. Classes resume January 3, 2017.**

**Week 15:** No class on Monday, January 2.

**Week 16:** \_\_\_\_\_ – Continue working on your original dress.

**Week 17:** Martin Luther King's Birthday – Monday, January 16. No Class this week.

**Week 18: January 23, 2017 – Week 18:** Last Day of Class ☹. Time given for project completions. Pictures for grading will be taken of you, your final projects and your dressforms.

### **Student Needs List: (\*Asterisk items not needed until AFTER form is made.)**

**I really tried to include everything.**

**[www.wawak.com](http://www.wawak.com) for the best prices.**

Full Size” Dress Form – Slightly smaller than your (BUST-WAIST-HIP) measurements.

(A Salvation Army FIND will work....)

\*Needlepoint tracing wheel.

\*1 or 2 1 ½ inch (the large size) pattern hooks.

\*Manila Paper ONLY if you want to Hard Copy your slopers – OPTIONAL in draping course

**NON STRETCH solid color DENIM.** (Pre-shrink before cutting.)

5 ½ yds. 45 inch wide for sizes

5 yds. 60 inch wide for sizes

48 inch 2-way nylon separating zipper - JN Zipper \$8 - \$10 ???

The kind that would be used in Parka Jackets, Rainwear, & Sportswear.

7 mm nylon zipper. 2-way. Open End. Opens in both directions is best.

[www.jnzipper.com](http://www.jnzipper.com) Toll Free: 888-699-1188

Do **NOT** buy a plastic zipper. It won't hold up to what we need to do.

\*3/32 inch dress form tape. Draping Tape (5 rolls, 801G-A) \$6.50

<http://www.pgmdressform.com/professional-draping-tape-c138/draping-tape-801g-p94.html>

(Optional) 10 - 15 yards Soutache Braid. (Optional)

[http://www.etsy.com/search/supplies?search\\_submit=&q=soutache+braid&view\\_type=gallery&ship\\_to=US&page=2](http://www.etsy.com/search/supplies?search_submit=&q=soutache+braid&view_type=gallery&ship_to=US&page=2)

1 package of Maxi Piping for arm.

Upholstery Batting. (Go to Keyston Brothers) Split this with a fellow student. 1 \$80 bag services 2 (Maybe more) dresses/forms. To get the discounted price of \$80 bring your student ID and say you are in this course. Item number: CTN5050S – 50% Linters & 50% Staple.

Keyston Brothers (Mondays: 8 - 4. Tuesday – Fridays: 7:30 AM – 4 PM.)

9669 Aero Drive

San Diego, CA 92123-1805

(858) 277-7770 or (858) 598-1190

BRING YOUR **CSIDs card** for the discount. \*\*\*\*\*

Good Fitting Bra for the form. One you are happy with now. Used in Dressform construction.

1 to 2 Plastic bags/covers/wraps from dry cleaners.

1 to 1 ½ yards Heavy Cord. (Extra Long Shoe Lace is fine.)

Polyester Thread. (Close to denim color but not an exact match)

(Optional.) 2 to 3 Super Glue Gel.

\*Start with 8 yards of inexpensive **Woven Solid Color** fabric. MUSLIN okay, but expensive. Buy Broadcloth from Yardage Town. It is sold 45 and 60 inches wide.

NOTE: Final garment may be draped in a print or plaid broadcloth.

\* Fairgate ruler # 01-128P Fashion 3 in 1 Rule (Dritz Fashion Ruler is okay to use)

You can buy Lance Rulers @ Ace when you take the LA trip with Sew Pros

Fabric Scissors.

Paper Scissors.

Quilting Straight Pins. (The ones with big yellow heads are fine)

Tape Measure – Fairly new. (They really do stretch out.)

18" x 2" Clear C-Thru Grid Plastic Ruler

3/4 inch Scotch Magic tape (Green Scotch Tape).

\*Eraser, B pencil (#2 pencils with easers okay.)

\*4 Ultra Fine Sharpie Markers felt-tip pens – red, blue, green and black

\*White Pattern Paper (School will supply pattern paper.)

**1 - 2 yards fusible nylon tricot May need tons more**

1 roll of adding machine tape.

4 gig **USB**

Colored pencils

**Lifetime Sewing Kit**

¼ inch double folded bias tape. (Ribbon just isn't strong enough to hang the arm.)

2 yards of weighted cord with ends tied off and one end made into a noose.

**Required Textbook for Industry Draping:**

Amaden-Crawford, C. (2012). *The Art of Fashion Draping*. (4th. Ed.) New York, NY: Fairchild Publications.

**Recommended Text for Fitting:**



Liechty, E., Rasband, J., Pottberg-Steineckert, D. ( Older Editions are just fine). *Fitting and Pattern Alteration: A Multi-Method Approach to the Art of Style Selection, Fitting and Alteration.* New York, NY: Fairchild Publications. ISBN: 978-1-56367-783-0.

Check [www.Amazon.com](http://www.Amazon.com) or other places listed on my blog's link page.

### **Course Assessment**

A student's competency will be based on multiple measures of performance. Assessment will measure the development of independent critical thinking and demonstrable skill. Final course evaluation of the student's ability will be based on, but not limited to, the following criteria:

1. Written personal goals (SLOs) and evaluation of their achievement upon completion of the course.
2. Use of patternmaking terminology, basic patternmaking tools and techniques throughout the course.
3. Assemblage of a standard couture dress form to the comfort wearing level measurements of a fit model.
4. Design of three garments on separate croqui that flatter the body proportions of the fit model/dressform.
5. Understanding how the time saving techniques of draping help flat patternmaking in garment production and in fit.
6. Draping a garment and converting the drape into an industry standard pattern.
7. Validation and showcasing of skill using the principles of draping by producing an original draped design with appropriate broadcloth fabric and findings to produce the finished image desired.
8. Recognizing skills that are transferable to entry level positions in the fashion job market including: research, communication, soft skills, and patternmaking services. Identifying employment, career and venture possibilities.
9. Student **must** attend 80% of all class hours per course. Missing more than 20% of the class hours will effect their grade.

### **Future Classes and Events:**

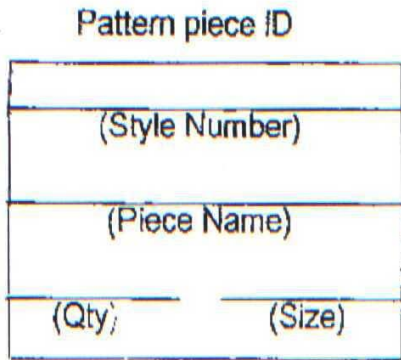
**Saturday, November 5, 2016** - Sew Pro's Field Trip to the LA garment District and M & L Fabrics. \$50. Call Clairmont Sew Pro's for details: 1-858-279-2500.

I have no idea what I will be teaching Spring 2017.

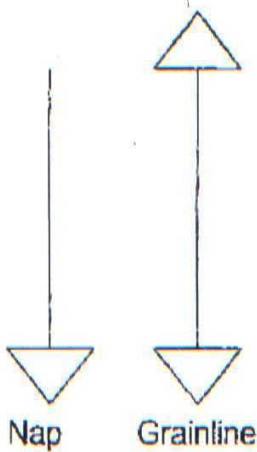
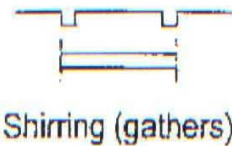
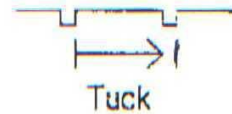
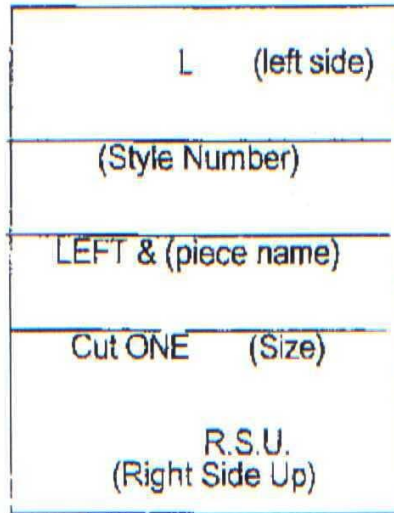
**NOTE: THE FOLLOWING SLEEVE PATTERNS ARE THE CORRECT SHAPES.....YOU MAY WANT/NEED TO ENLARGE THE PATTERNS ON A PHOTOCOPIER.....**

For one right arm you need: 2 triangle pieces, 1 oval piece, and one small circular piece.

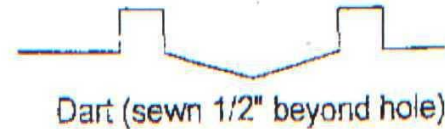
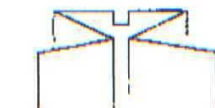
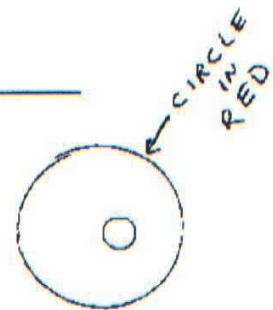
# KATHLEEN FASANELLA'S Common Pattern Markings

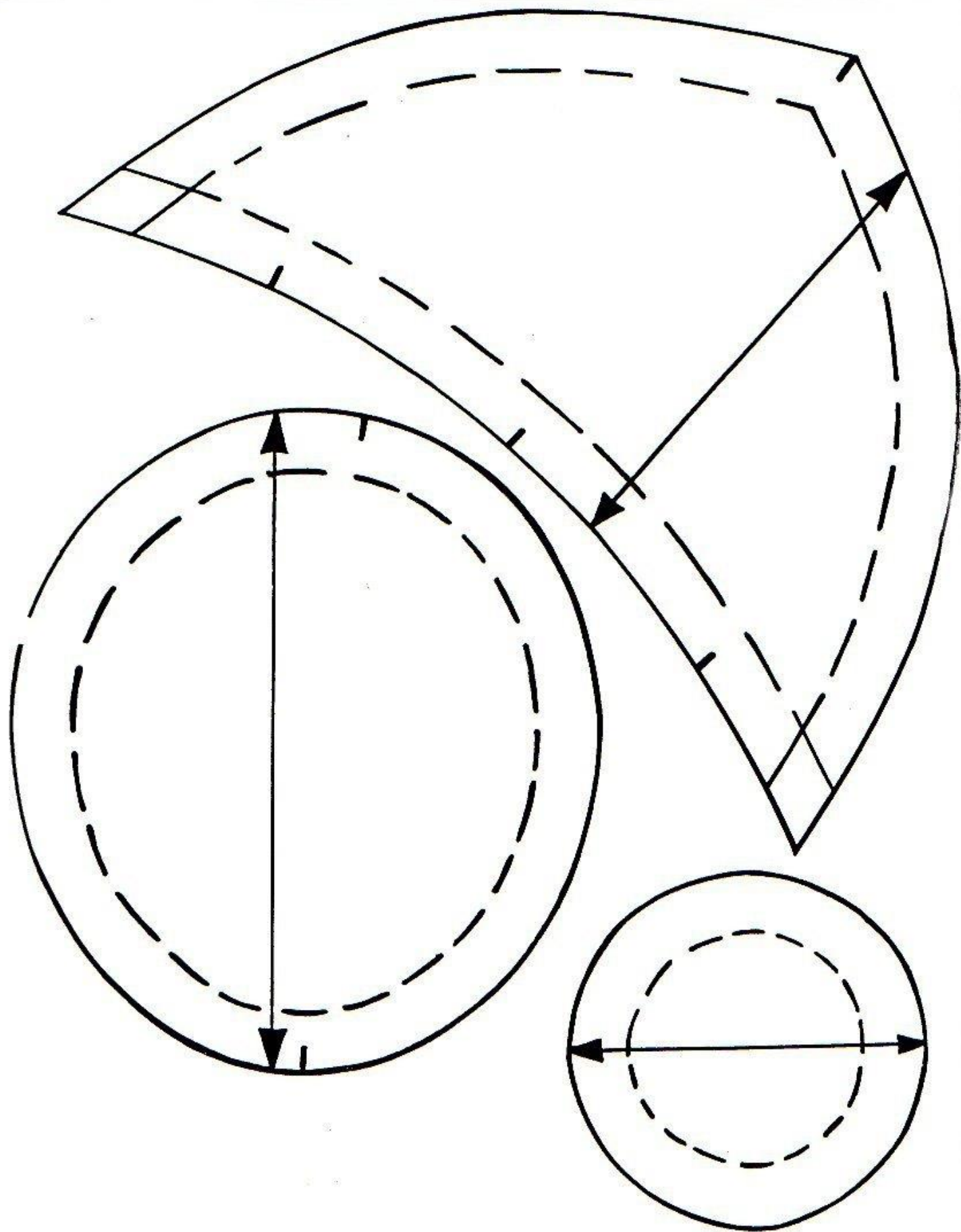


Asymmetrical Piece ID Example:



Match Stripe (cross grain)





**Croqui Silhouette in Paint.Net FREE DOWNLOAD**  
[www.getpaint.net](http://www.getpaint.net)

Make sure you have the required 4 pictures: front view, 2 side views and back view. Each picture should be complete from toe through hair. (Cell phone pictures work well.)

Download FREE Paint.net @ <http://www.getpaint.net/>

In Paint.net:

Select new art board. Landscape Orientation: 11 x 8.5 inches.

Put the first picture on in the center. Use a side view.

Crop the outer edges. Do not lose feet and hair.

Resize to 8 inches. Save.

Select other 3 pictures.

Make sure the 4 pictures are all the same size: from head to toe. 8 inches.

Save each picture. Print each picture on the art board, which should be canvas size 11x 8.5.

Print each picture separately. I could NOT do this in grayscale.

Put all 4 pictures on one piece of paper.

Trace around the 4 pictures. Use this as your original.

Put your name and the date in a corner. Put in clear sheet protector.

Photocopy the original and design on your personal croqui.

Design 3 dresses or skirt outfits. (We did not drape a pants master pattern.)

Discuss with instructor the ease of draping your designs.

Chose the **one** you like the best to drape and sew up.

**Croqui Silhouette in your Photo Editor / Paint Shop Pro**

Make sure you have the required 4 pictures: front view, 2 side views and back view. Each picture should be complete from toe through hair. (Cell phone pictures work well.)

Take each picture and crop it long and narrow. Do not lose feet and hair.

Save each picture separately. Put all 4 cropped pictures on screen at one time.

Select Print Layout.

Select Landscape Orientation: 11 x 8.5 inches print layout art board.

Put the first cropped picture on in the center. Use a side view.

Program will ask you to scale.

Drag/Select rest of cropped pictures from side board.

Make sure the 4 pictures are all the same size: from head to toe.

Use scale feature. Pull evenly from corner.

Front view on left side and the back view on the right side.

Saving is done in .jpg. Print in grayscale.

Trace around the 4 pictures. Use this as your original.

Put your name and the date in a corner. Put in clear sheet protector.

Photocopy the original and design on your personal croqui.

Design 3 dresses or skirt outfits. (We did not drape a pants master pattern.)

Discuss with instructor the ease of draping your designs.

Chose the **one** you like the best to drape and sew up.

# DISTANCE BETWEEN

$X \sim Y$

## INTERPRETING THE CIRCLE/CASCADE RADIUS CHART

The chart indicates the radius needed to develop a circle or part of a circle. It is easy to use and eliminates the need for complex mathematical formulas for developing patterns for circular-type skirts, cascades and flounces. One need know only the distance to be covered by the inside edge of the circle.

**Column 1** represents the distance to be covered in whole numbers (inches). For measurements in between whole numbers, use Column 1 as follows:

- 25½ inches or less, use 25 inches.
- Over 25½ inches, use 26 inches.

These measurements are close enough for test fitting.

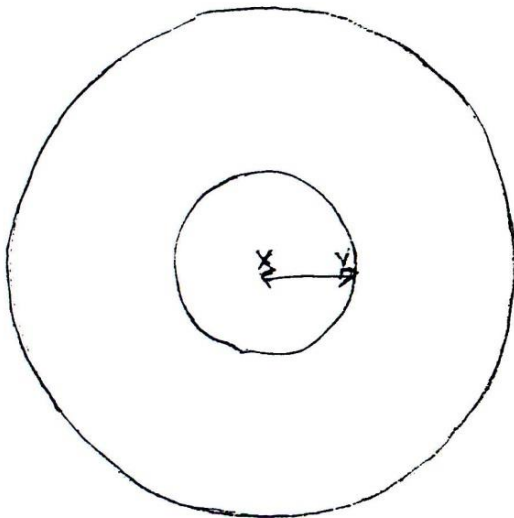
**Columns 2, 3, 4, and 5** represent the radius for circles or part of a circle covering the distance given in Column 1.

**The symbols - and +** represent ⅛ inch added to or subtracted from the number to which it is associated.

To include seam allowance for the inside circle subtract ¼, or ½ inch (depends on required seam) from the radius measurement. (The draft will mention this.)

## CIRCLE/CASCADE RADIUS CHART

Column 1 Distance covered	Column 2 1/4 circle	Column 3 1/2 circle	Column 4 3/4 circle	Column 5 Full circle
1	0 5/8	0 1/4+	0 1/4-	0 1/8+
2	1 1/4+	0 5/8	0 1/2-	0 3/8-
3	1 7/8+	0 7/8+	0 5/8	0 1/2-
4	2 1/2+	1 1/4+	0 7/8-	0 5/8
5	3 1/8+	1 5/8-	1 1/8-	0 3/4+
6	3 3/4+	1 7/8+	1 1/4+	0 7/8+
7	4 1/2-	2 1/4-	1 1/2	1 1/8
8	5 1/8-	2 1/2+	1 5/8+	1 1/4+
9	5 3/4-	2 7/8	1 7/8+	1 3/8+
10	6 3/8	3 1/8+	2 1/8	1 5/8-
11	7	3 1/2	2 3/8-	1 3/4
12	7 5/8	3 3/4+	2 1/2+	1 7/8+
13	8 1/4+	4 1/8	2 3/4	2 1/8-
14	8 7/8+	4 1/2-	2 7/8+	2 1/4-
15	9 1/2+	4 3/4+	3 1/8+	2 3/8
16	10 1/8+	5 1/8-	3 3/8+	2 1/2+
17	10 3/4+	5 3/8+	3 5/8-	2 3/4-
18	11 1/2-	5 3/4+	3 3/4+	2 7/8
19	12 1/8-	6 1/8	4 1/8-	3
20	12 3/4-	6 3/8	4 1/4	3 1/8+
21	13 3/8	6 5/8+	4 1/2-	3 3/8-
22	14	7	4 5/8+	3 1/2
23	14 5/8+	7 1/4+	4 7/8	3 5/8+
24	15 1/4+	7 5/8	5 1/8-	3 3/4+
25	15 7/8+	7 7/8+	5 1/4+	3 7/8+
26	16 1/2+	8 1/4+	5 1/2+	4 1/8
27	17 1/8+	8 5/8-	5 3/4-	4 3/8-
28	17 3/4+	8 7/8+	5 7/8+	4 1/2-
29	18 1/2-	9 1/4-	6 1/8+	4 5/8
30	19 1/8-	9 1/2+	6 3/8	4 3/4+
31	19 3/4	9 7/8	6 5/8-	4 7/8+
32	20 3/8	10 7/8+	6 3/4+	5 1/8-
33	21	10 1/2	7	5 1/4
34	21 5/8+	10 3/4+	7 1/4-	5 3/8+
35	22 1/4+	11 1/8	7 1/2-	5 1/2+
36	22 7/8+	11 1/2-	7 5/8	5 3/4-
37	23 1/2+	11 3/4+	7 7/8-	5 7/8
38	24 1/8+	12 1/8-	8 1/8-	6 1/8-
39	24 7/8-	12 3/8+	8 1/4+	6 1/4-
40	25 1/2-	12 3/4-	8 1/2	6 3/8
41	26 1/8-	13 1/8-	8 5/8+	6 1/2+
42	26 3/4	13 3/8	8 7/8+	6 5/8+
43	27 3/8	13 5/8+	9 1/8	6 7/8-
44	28	14	9 3/8+	7
45	28 5/8+	14 1/4+	9 1/2+	7 1/8+
46	29 1/4+	14 5/8+	9 3/4	7 3/8-
47	29 7/8+	14 7/8+	9 7/8+	7 1/2-
48	30 1/2+	15 1/4+	10 1/8+	7 5/8
49	31 1/8+	15 5/8-	10 3/8+	7 3/4+
50	31 7/8-	15 7/8+	10 5/8	7 7/8+



# **Fractions to Decimals**

## **Commit to Memory**

### **There will be Quizzes**

$$\mathbf{1/8 \text{ inch} = .125}$$

$$\mathbf{1/4 \text{ inch} = .25}$$

$$\mathbf{3/8 \text{ inch} = .375}$$

$$\mathbf{1/2 \text{ inch} = .5}$$

$$\mathbf{5/8 \text{ inch} = .625}$$

$$\mathbf{3/4 \text{ inch} = .75}$$

$$\mathbf{7/8 \text{ inch} = .875}$$

$$\mathbf{1 \text{ inch} = 1.0}$$

**Good to Know:  $1/16 \text{ inch} = .0625$**

**$1/32 \text{ inch} = .03125$**

**$1/64 \text{ inch} = .015625$**

<b>Patternmaker</b> <b>Control + F Key</b>		Snap Off	Snap to Grid	Snap to End Point	Snap to Nearest	Snap to Ortho	Snap to Mid Point	Snap to Intersect	Snap to Offset	Snap to Meas. Dist.			Yardage Grid On/Off
Pg Up Pg Down Home End ← ↓ ↑ →	Zoom Out Zoom In Z to Mouse Zoom all Pan	Zoom Out <b>F1</b>	Zoom In <b>F2</b>	Zoom to Cursor <b>F3</b>	Grid Points On/Off <b>F4</b>	Vertice Points On/Off <b>F5</b>	Select Snap <b>F6</b>	Grading Arrows - 3 Modes <b>F7</b>	Digitizer Mouse On/Off <b>F8</b>	Pan to Mouse <b>F9</b>	Drag & Drop On/Off <b>F10</b>	Open Layers Box <b>F11</b>	Page Grid On/Off <b>F12</b>