

## APPAREL CONSTRUCTION – AD103

Instructor:	e-mail:
	Term:
Voice mail:	Total class hours: 36
Office hours:	Class meets:

**Course description:** Introduction to apparel industry sewing principles and techniques. Fundamental skills as applied to the construction of a basic garment using standard sewing equipment.

**Course objectives:** The student who successfully completes this course will develop skills and have an understanding of fundamental sewing techniques, fabric and machine handling skills, as well as proper threading and operations, basic hand-sewing skills. Each student will produce a sample book of all techniques they have learned. Each student will understand how to combine a number of fabric shapes and understand the fundamentals of sewing machines. Students will exit this class confident and capable of progressing to the next skill levels: Industrial Machine Sewing and Intermediate Sewing.

**Competencies being assessed.** At the end of course, a student will know how to:

- Apply appropriate apparel terminology in business situations.
- Assess tools offered for construction techniques and match the right tool to the construction technique.
- Manufacture garments using correct construction techniques from first cut to final closure so the garment is ready for sale.
- Spot issues and know multiple ways to correct them according to fabric and cost.

**Class format:** Class time is divided between lecture/demo and supervised workshop time. Construction techniques are explored through a series of samples organized into a class handout. Students will sew three garment projects during the course period.

**Recommended texts:** *Reader's Digest New Complete Guide to Sewing*, 2002, ISBN# 0-7621-0420-1. *Sewing for the Apparel Industry*, Shaeffer, Claire, 2001, Prentiss-Hall, Inc, ISBN# 0-321-06284-1.

**Required supplemental materials:** Students are responsible for bringing suitable fabric to class for projects.

Required tools and supplies:

- Seam gauge (black metal with a plastic slide)
- Tape measure (60"x5/8")
- Machine needles-Universal size 12
- Fine pins with glass heads, 1-3/8"
- Shears – one for paper, a good pair for cloth
- Point turner
- Small scissors or nippers
- Chalk pencil
- Water soluble marking pen
- Pin cushion or magnetic tray
- Seam ripper
- 2, 9" regular polyester zipper (not invisible, no metal teeth)
- 6, 3/4" buttons
- 2-3 yards of *printed* cotton or cotton-poly for samples
- Yardage of fashion fabric of student's choice for skirt/vest, casual pants and day dress/camp shirt projects
- Polyester sews-all thread to match
- 2 yards knit fusible interfacing

**Sample book:** Each week, complete the required samples and present them in the class handout. Each sample is to be accompanied with class notes, observations and complete sewing instructions. Professional and clean presentation is important. Bonus points for researching, copying and adding pertinent magazine articles.

**Standards of conduct: Complete and on-time attendance is mandatory.**

- **No student can miss three or more classes and expect to pass this class.**
- Attendance is at the beginning of each class period. If you are late, you will lose half the attendance points for the day. If you arrive late, it is your responsibility to make sure you have been counted present. If you arrive more than 15 minutes after the beginning of a part of the class period, you will be counted absent for that part of the period.
- If you are absent, you lose the attendance points for that day. If you know ahead of time that you will not be in class, make arrangement with the instructor the night *before* class (by 10 p.m. and by telephone).
- It is the student's responsibility to keep track of assignments and turn them in on time should the students miss the class or arrive late.
- Professionalism means: Turn off your cell phone. Attend the full class. Focus and follow-through during classroom work. Have respect and work well with classmates. Use the same behavior in the classroom as you would on the job in the apparel industry.
- Late work will result in a one letter grade deduction.

**Labeling Policy:** All student work must be turned in with the following information: Name, Course Name/Number, Instructor, Term/Date, Project/Assignment, Contact Info (phone or e-mail). Work may not be accepted for full credit without the required information. PFI cannot guarantee the return of student work that is not labeled with the required information.

**Incomplete:** A student who, due to medical or other exceptional causes, cannot complete the required class work must document his/her situation and submit a written request for an incomplete grade to be entered. The instructor, the academic advisor and director must approve the grade and assign a time line for the work to be completed. Incompletes must be requested and approved no later than the end of the quarter for which the incomplete is requested. To remove an incomplete, a student must complete the required course work before the next quarter commences. If a student does not comply within the time line or does not complete the work, an "F" grade, or the grade calculated by the instructor on the incomplete form, will be entered to replace the incomplete.

To initiate a request for an incomplete grade, the student must fill out an incomplete form and submit it to his/her instructor. The instructor will obtain the required signatures and submit the completed form with final grades.

**Withdrawal (W/WF):** The student who withdraws from a course or from the program during the first six weeks of the quarter will be assigned a "W" code for each course. The "W" code is not used in computation of the student's grade point average; however, "W" credits are counted toward total credits attempted. The student who withdraws from a course or from the program after the ninth week of the quarter will be assigned a "WF" code for each course. The "WF" code is the equivalent of a grade of "F" and is used in computing the student's grade point average.

Students wishing to withdraw from PFI must file an official status change form with the Academic Advisor.

Last day to withdraw from the class is 48 hours before class starts.

**Lab Policies:** Leave food and drink outside the classroom. Disciplinary action will be taken toward any student found using the equipment in an inappropriate manner. Disruptive, disrespectful, rude behavior is not tolerated.

**Plagiarism:** Presenting the writings, images or paraphrased ideas of another as one's own, is strictly prohibited. Properly documented excerpts from other's works, when they are limited to an appropriate amount of the total length of a student's paper, are permissible when used to support a researched argument.

**Attendance Policy:** Students who are absent from all scheduled classes over a 14-day period (2 weeks) are subject to automatic attendance suspension—from PFI, not just from this course. This means the student is administratively withdrawn from all courses and cannot attend classes or continue in the current quarter unless he/she successfully appeals for reinstatement. Students who anticipate violating the attendance policy should contact the academic advisor immediately to discuss options such as withdrawing from PFI or navigating the appeals process.

**Picking up Work:** Please pick up your work no later than the first Friday of the following quarter. If you cannot retrieve your work by this date please make arrangements with me. All work not picked up by this date will be recycled.

**Students with Disabilities:** It is PFI policy not to discriminate against qualified students with a documented disability in its educational programs, activities or services. If you have a disability-related need for adjustments contact the academic advisor.

**Evaluation:**

Attendance/Professionalism/Participation	10 %
Final review	20 %
Samples, class notes	10 %
Skirt/vest project	20 %
Casual pants project	20%
Day dress/camp shirt project	20 %
<b>TOTAL</b>	<b>100 %</b>

**Grade Scale**

Letter	Number	Rating
A	95-100	Excellent
A-	90-94	
B+	87-89	Good
B	83-86	
B-	80-82	
C+	77-79	Satisfactory
C	73-76	Fair
C-	70-72	
D+	67-69	Marginal
D	62-66	
F	<62	Failure

**COURSE CALENDAR**

This syllabus is subject to change at the instructor's discretion.

WEEK/DATE	TOPIC	ACTIVITY	ASSIGNMENTS
1/	Introductions Tools. Materials. Terminology. Process. Goals and	<b>Bring supplies to every class.</b> <b>LECTURE:</b> • Basic tools and machine operation • Characteristics of fabric • Jargon of sewing <b>SEW Samples:</b> • Taut sewing with a 5/8" seam allowance	Text pp. 55-59 Next week: pp. 85-90  Cut skirt

	Objectives. A-line skirt/vest project	<ul style="list-style-type: none"> <li>• Directional staystitching</li> <li>• Clean finish</li> <li>• Grade and trim</li> <li>• Understitching</li> <li>• Edgestitching and topstitching</li> <li>• Clipping and notching</li> <li>• Overlocking</li> </ul> <b>LECTURE:</b> <ul style="list-style-type: none"> <li>• How to read and interpret patterns</li> <li>• How to prepare your pattern and fabric</li> <li>• How to fit your pattern</li> <li>• How to layout and cut fabric.</li> </ul>	
2/		<b>LECTURE:</b> <ul style="list-style-type: none"> <li>• How to control your fabric.</li> <li>• How to master your machine and troubleshoot.</li> <li>• Order of operation.</li> </ul> <b>SEW Samples:</b> <ul style="list-style-type: none"> <li>• Support: Fusing</li> <li>• Details: Centered Zipper, darts</li> </ul> <b>SEW Project:</b> <ul style="list-style-type: none"> <li>• Zipper; Seam finishes</li> </ul>	Next week: pp. 68, 70-72  Cut interfacing, fuse
3/		<b>SEW Project:</b> <ul style="list-style-type: none"> <li>• Facings</li> </ul>	Next week: pp. 235-9, 255
4/		<b>MIDTERM QUIZ PREP</b> <b>FINISH SKIRT:</b> <ul style="list-style-type: none"> <li>• Hems</li> </ul> <b>LECTURE:</b> <ul style="list-style-type: none"> <li>• <b>How to fit pants</b></li> </ul>	Next week: pp. 188, 190 Purchase fabric for casual pants; cut pants
5/	Casual pants project	<b>LECTURE:</b> <ul style="list-style-type: none"> <li>• Types of elastic and where to use them</li> <li>• Order of construction for pants</li> </ul> <b>SEW Samples:</b> <ul style="list-style-type: none"> <li>• Elastic in casing</li> <li>• Sew as you go casing</li> <li>• Flat fell seam</li> <li>• French seam</li> </ul>	Next week: pp. 86-7
6/		<b>SEW Project:</b> <ul style="list-style-type: none"> <li>• Flat fell inseams</li> <li>• Overlock crotch seam</li> </ul>	Work on pull-on pants
7/		<b>SEW Project:</b> <ul style="list-style-type: none"> <li>• French side seams with side seam pockets</li> <li>• Waistband with elastic</li> </ul>	
8/		<b>FINISH Pants:</b> <ul style="list-style-type: none"> <li>• Hems</li> </ul> <b>LECTURE:</b> <ul style="list-style-type: none"> <li>• <b>How to fit a dress with princess seams</b></li> </ul>	Purchase fabric for day dress/camp shirt. Cut fabric. Cut interfacing; fuse.
9/	Day dress/camp shirt project	<b>LECTURE:</b> <ul style="list-style-type: none"> <li>• Types of interfacing and where to use them</li> <li>• Flat construction for garments</li> </ul> <b>SEW Samples:</b> <ul style="list-style-type: none"> <li>• Princess seams</li> <li>• Gathering: Double Row method</li> <li>• Gathering: Zigzag method</li> <li>• Gathering: Crimping method</li> </ul>	Next week: pp. 101-3, 106-7
10/		<b>SEW Project:</b> <ul style="list-style-type: none"> <li>• Overlock princess seams</li> <li>• Flat fell shoulder seams</li> <li>• Crimp and attach sleeves; stitch armscye</li> </ul>	Next week: pp. 284-91
11/		<b>SEW Project:</b> <ul style="list-style-type: none"> <li>• French side seams</li> </ul>	Final exam review

		<ul style="list-style-type: none"> <li>• Sew collars, lapels and facings</li> </ul>	
<b>12/</b>		<b>FINAL REVIEW</b> <b>SEW Project:</b> <ul style="list-style-type: none"> <li>• Hems</li> <li>• Buttonholes and buttons</li> </ul>	<b>Sample books, garments due at end of class</b>