INDUSTRIAL MACHINE SEWING – AD201

Instructor:	e-mail:
	Term:
Voice mail:	Total class hours: 18
Office hours:	Class meets:

Course description: Overview of the apparel industry, examining fashion's past, present and glimpse fashion's future. Students find where designers get ideas and how do they make these ideas a reality. Students research designers from each era, keep a journal and find new online and in print resources. They learn about price points and market sectors and discover a career opportunities. They learn to speak the jargon of fashion.

Course objectives: Upon completion of the class, students will know:
• How to sew garment details.
• Traditional construction methods.
• How to use specialized machines and tools.
• The industry approach to problem solving, information they can use as product developers and quality control managers.
Competencies being assessed: Basic apparel design skills.
• Assess tools offered for construction techniques and match the right tool to the construction technique.
• Manufacture any given garment using correct construction techniques from first cut to final closure so the garment is ready for sale.

Prerequisite: Apparel Construction (AD103)

Class format: Each class will include a lecture and/or demonstration on methods of construction. Remaining class time will be devoted to student hands-on application of material, including samples and projects.

Recommended text: *Sewing for the Apparel Industry*, Claire Shaeffer, Prentice Hall 2011.

Required supplemental materials:
• Industrial machine kit of 4 bobbins, bobbin case, pack of DXL 80/12 needles
• 1 cone Maxilock thread (any color)
• Seam gauge (black metal with a plastic slide)
• Tape measure
• Fine pins with glass heads, 1-3/8"
• Shears – one for paper, a good pair for cloth
• Serger tweezers
• Needle threaders
• Small scissors or nippers
• Chalk pencil
• Water soluble marking pen

• Pin cushion or magnetic tray
• Seam ripper
• 3 yards of cotton fabric
• 1 yard of knit interlock fabric
• 1/8 yard each of: wool, poly fleece
• 2 zippers: 1 standard polyester, 1 invisible
• BRING to first class 16, 6"X6" squares cut from cotton fabric

Sample book: Students are to complete the required samples and present them in a three-ring sewing binder. Each sample is to be accompanied with complete sewing instructions and the final sample. Professional and clean presentation is important.

Sewing idea file: Each student is required to start a sewing idea file for inspiration and reference. Look for clippings and samples of clothing that demonstrates techniques that are taught in class.

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 %
Sample notebook	70 %
TOTAL	**100 %**

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.	*Bring cotton/poly fabric and supplies to every class.*	CS pp. 55-59, 85-90, handout on sewing machines

	Goals. Objectives. Intro to machines, fabric. Seams, topstitching	**Lecture & Demo**-Lockstitch Machines: Parts, threading, tension **Demo & Classwork**: Sew on paper: Straight lines, curves, corners, circles Sew first 16 fabric samples: Lines & seams	Next week: *CS* pp. 85-90 Cut first set of patterns: Necklines
2/	Lockstitch: Necklines	**Demo & Classwork**: Easing, Outward collar curve, Inward collar curve, Outward corner, Inward corner, Mitered Corner, Darts – chain on, Darts – sew along fold, Darts – Knotted, Princess seams, Single fold bias binding, Double fold bias binding, Bias facing, Bias piped edge, Tiny bias tube	Next week: *CS* pp 312-9, 242, pp. 100, 101-3, 106-7 Cut second set of patterns: Welts, pockets and zippers
3/	Lockstitch: Welts, pockets and zippers	**Demo & Classwork**: Welt Pockets: Single Welt, Double Welt, Applied Welt, Bound Buttonhole, Regular Zipper, Invisible Zipper **Prepare for midterm quiz**	Next week: *CS* pp 320 p. 322, pp. 284-91. Handout: Invisible zippers Cut third set of patterns: Overlock machines
4/	Overlock and safety stitch	**Lecture & Demo**-Overlock Machines, threading **Demo & Classwork**: 4-thread overlock, Mock -thread safety stitch, Overlocked closed w/ topstitching (False flat-felled seam), Overlocked circle, Overlocked seam in knit, Overlocked waistband	Next week: *CS* pp 235-9 Cut fourth set of patterns: Walking foot, double needle/double bobbin machines
5/	Walking foot, double needle/double bobbin machines	**Lecture & Demo**-Walking Foot, double needle/double bobbin machines, threading **Demo & Classwork**: False flat-felled seam, Belt loop strip, Denim pocket-standard, Denim pocket-creative Prepare for final quiz	Next week: *CS* pp. 197-211 Cut fifth set of patterns: Coverlock/coverstitch, buttonholes, blindhems
6/	Coverlock/ coverstitch, buttonholes, blindhems	**Lecture & Demo**-Coverstitch, buttonhole, blindhem machines, threading **Demo & Classwork**: 2- or 3-thread coverlock hem, Lapped seam, Butted seam, Blind hem-wool, Blind hem-lining, Buttonhole placket **Final review**	**Notebooks due** at end of class