

INDUSTRIAL MACHINE SEWING – AD201

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

Course description: This course introduces apparel construction basics including seam types, edge finishes, facings and garment assembly to techniques for complex details of garment construction. The student learns how to operate and use industrial sewing equipment including lockstitch, overlock, coverstitch, safety stitch and walking foot. Introduction to ISOs and their use in technical packages.

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 materials (Pick up your kit of * items from PFI Supply. The rest of the items on the supply list should be from your standard sewing kit. Don't have one of those? Purchase one from PFI Supply.)

- Industrial machine kit of 4 bobbins, bobbin case, pack DXL 80/12 needles *
- 2 cones of serger thread (any color) *
- Needle threaders *
- Serger tweezers *
- At least 1 yard of medium weight woven fabric (Weeks 1 & 2) *
- At least ½ yard of knit fabric (Weeks 3 & 4) *
- 20 inches of ¼ "- ½ " wide elastic (Weeks 3 & 4) *
- One 20" zipper (Weeks 5 & 6) *
- One 10" invisible zipper (Weeks 5 & 6) *
- 1 yard of piping cord (Weeks 5 & 6)(Weeks 5 & 6) *
- 2 snap sets (Weeks 5 & 6) *
- Tape measure
- Seam gauge (black metal with a plastic slide)
- Seam ripper
- Fine pins with glass heads, 1⅜"
- Shears – one for paper, a good pair for cloth
- Small scissors or nippers
- Pencil and marker
- Chalk pencil or water soluble marking pen
- Pin cushion or magnetic tray
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- Pin cushion or magnetic tray

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.

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 %
Participation	10 %
Project 1	20%
Project 2	20 %
Project 3	40%
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. Each class: LECTURE (1.3 hrs) & LAB (1.7 hrs)
This syllabus is subject to change at the instructor's discretion.
All projects will be turned in when completed during class.

WEEK	TOPIC	ACTIVITY	ASSIGNMENTS
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Week 1	Stitch understanding, ISO stitch guide, machine threading, overlock, bias strip	Lockstitch and serger machine threading and sewing	Fluffy machine nametag- need 1 yard of fabric and basic supplies
Week 2	Pintucks, organza bias, overlock, chainstitch	Lockstitch and serger sewing; practicing finishing techniques	Drawstring bags- need 1/2 yard of medium weight fabric and 1/2 yard of light weight fabric
Weeks 3 & 4	Serged circle, shirring, coverstitch, chainstitch, overlock	Serger and coverstitch sewing; lockstitch and double needle sewing	Bottle bags- need 1/2 yard of knit fabric and 20 inches of elastic
Weeks 5 & 6	Zipper, piping, pockets, buttonholes, snap set	Lockstitch and serger sewing; binding technique; double needle sewing	Messenger bags- need 1 1/2 yards of medium weight woven fabric, 1/2 yard of thick fabric or interfacing, snap sets, piping cord, zippers