

AD331 -- PATTERN KNITS & STRETCH

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

Course description: Flat pattern techniques in accordance with garment trade practices. Emphasis on creating a pattern for a final knit garment ready for production from torso sloper and from measurements.

Course objectives: Upon completion of the class, students will:

- Understand in greater depth the terminology, procedures and problems in flat pattern making.
- Demonstrate understanding of basic patternmaking principles that apply to bodice, sleeves, skirts and pants
- Know how to produce a number of styles by adding ease and manipulating darts
- Be ready to design clothes through flat pattern.

Competencies being assessed. At the end of course, a student will:

- Interpret designs through flat pattern that match the original concept and fit for knit and manmade fibers.

Prerequisites: Pattern 2 (AD231)

Class format: Class time is divided between lecture/demo and supervised workshop time.

Required text: *Creating Knit Patterns* by Sharon Blair

Required supplemental materials:

- Up to 2 yards of interlock and yardage of final chosen knit fabric to test your patterns.
- Fine pins with glass heads, 1-3/8"
- Schmetz machine needles 11/75 Stretch/Jersey
- All-purpose Gutermann or Mettler thread
- Chakoner or chalk wheel
- Paper shears
- Tape dispenser and 1/2" Scotch tape
- Pencils, hard lead or mechanical and soft lead #2
- Straight pins, 1 1/2" all purpose for patterns
- 2"x18" clearview ruler
- 1/2"-wide tape measure
- Sharp-pointed tracing wheel
- Tracing paper
- Wood-handled awl
- Mars Staedler white eraser
- Armhole, neckhole, hip and Variform (24") curves
- Contractor's calculator

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 %
Class projects: slopers (5)	50 %
Final project	20 %
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. Terminology. Process. Objectives & goals.	Bring supplies to every class. LECTURE & DEMO <ul style="list-style-type: none"> • Types of knits • Jargon • Judging stretch ratio • Sizing and measurements • Draft knits from wovens IN CLASS WORK: <ul style="list-style-type: none"> • Draft knit sloper from measurements • True, blend, add SA, 	Sew drafts in interlock for fittings next week. Bring in tear sheets, sketches for final project Read chapters 1 & 2
2/	Fitting process: Fitting &	LECTURE & DEMO <ul style="list-style-type: none"> • Fitting rules and process for knits 	Measure armscye drop and circumference

	altering knits Final project analysis Necklines	<ul style="list-style-type: none"> • Knit tag • Marking stretch IN CLASS WORK: <ul style="list-style-type: none"> • Fit & alter knit sloper. True, blend go to tag. • Mark tag for stretch ratios. • Necklines: Turtle, mock, zipped, V mitered, V overlap, off shoulder, hoodie. • Start drafting final project 	Read chapter 3
3/	Sleeves.	LECTURE & DEMO <ul style="list-style-type: none"> • Knit sleeves and cap height. IN CLASS WORK: <ul style="list-style-type: none"> • Draft knit sleeve sloper from measurements • True, blend, go to tag • Trace three sleeves • Draft short, cap/muscle, dolman, raglan, flare • Continue drafting final project 	Trace five torsos (½, not full) Read chapter 4
4/	Dresses.	LECTURE & DEMO <ul style="list-style-type: none"> • Dress fabric choices. IN CLASS WORK: <ul style="list-style-type: none"> • Draft boat, wrap, empire, cowl, deep cowl. • Measure and calculate for bottoms • Finish drafting final project 	Begin patterning for final project Read chapter 5
5/	Bottoms.	LECTURE & DEMO <ul style="list-style-type: none"> • Pant fabric choices IN CLASS WORK: <ul style="list-style-type: none"> • Draft yoga pants, leggings, panties, boy shorts, pockets • Fit final project: alter pattern 	Sew final project from chosen fabric Read chapter 6 Prep for final review
6/	4-way stretch.	LECTURE & DEMO <ul style="list-style-type: none"> • Final garment pattern critique • Altering final patterns IN CLASS WORK: <ul style="list-style-type: none"> • Draft body suit, sports bras, swimsuits, bras • Create final pattern for final project, true, blend, add SA, trace to 2nd pattern. 	Notebooks, final garment & pattern, slopers due at end of class