

## AD413 -- KNITWEAR DESIGN

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

**Course description:** In this course, the students study fashion silhouettes and stylistic detailing as a basis for full-fashion knitwear construction in a studio format. With emphasis on shaping, patternmaking, sizing, trims, and stitch placement, as well as application of flat technical sketching and size specifications for preproduction.

**Course objectives:** Upon completion of the class, students will emulate industry standards for knitwear design and:

- Be able to create a knitwear design portfolio aided by current digital imaging technology such as Adobe Illustrator.
- Know how to design for a market/customer for a variety of fibers and styles.
- Use up-to-date knitting equipment in design mockup and production of design collection.
- Present design projects at various levels of knitwear creation from yarn to garment resulting in fashion collection.

**Competencies being assessed:**

- Explain ways in which fiber, fabric texture, pattern and finish can affect visual appearance.
- Use elements and principles of design in designing, constructing and altering fashion, textiles and apparel products.
- Manufacture any given garment using correct construction techniques from first cut to final closure so the garment is ready for sale.

**Class format:** Class time is divided between lecture, research and supervised lab time.

**Prerequisites:** Machine Knitting (AD311), Adobe (AD261)

**Required text:** *Art of Knitwear* by Lisa Silveira.

### **Required supplemental materials**

- Apple/PC laptop loaded with CS4 or above
- USB device (2 GB recommended)
- Ruler or tape measure
- 3-ring binder
- 2-4 claw weights
- Cones of midweight yarn (amount depends on designs)
- 3-ring binder for designs and research papers.

**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 %
Market/customer research	5 %
Line plan sketches	5 %
Line plan illustrations/presentation board	10 %
Technical sketches/flats	10 %
Stitch plans	10 %
Production specs	10%
Patterns	10 %
Garments	30 %
<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. Terminology. Process. Goals and Objectives.	<b>Bring supplies to every class.</b> <b>LECTURE &amp; IN CLASS RESEARCH:</b> <ul style="list-style-type: none"> <li>• Overview of yarn types suitable for knitwear including</li> <li>• Yarn construction and fiber contents</li> <li>• Essential technological aspects in the formation of</li> <li>• Blended yarns, ply yarn and fancy yarns for knitwear</li> <li>• General effects of yarn characteristics on knit structure</li> </ul>	Create fiber board for proposed garment types and styles
2/	Research trends in color, texture, fiber	<b>PRESENTATIONS:</b> Share homework <b>LECTURE:</b> <ul style="list-style-type: none"> <li>• Color predictions and trend resources to interpret seasonal palettes for a variety of markets into a variety of patterns, and unique stitches.</li> </ul> <b>IN CLASS RESEARCH:</b> <ul style="list-style-type: none"> <li>• Choose a market/customer from classroom</li> </ul>	Finish line plan sketches. Add to fiber board.

		research. • Create a line plan of 4 knitwear pieces for that market/customer.	
3/	Apply elements of design to knit fabrics	<b>PRESENTATIONS:</b> Share homework <b>LECTURE:</b> Knit structure and surface design treatments as they apply to various markets. <b>CLASSWORK:</b> Plan knit designs and stitches for each line plan garment per fiber.	Finish knit stitch designs
4/	Create illustrations	<b>PRESENTATIONS:</b> Share homework <b>LECTURE:</b> Review Adobe CS6 and technical sketches <b>CLASSWORK:</b> Turn sketches into flats and stitch plans.	Work on flats and stitch plans
5/	Create technical sketches	<b>PRESENTATIONS/CRITIQUE</b> Share homework for instructor approval <b>LECTURE:</b> Patternmaking for knitwear design. <b>CLASSWORK:</b> Set up machines to create samples to test stitch plans	Finish flats and stitch plans
6/	Create samples on knit machines	<b>PRESENTATIONS/CRITIQUE</b> Share homework for instructor approval <b>LECTURE:</b> Setting up machines for stitch plans. <b>CLASSWORK:</b> Create samples to test stitch plans.	Finish knit samples
7/	Create patterns	<b>PRESENTATIONS/CRITIQUE</b> Share homework for instructor approval <b>LECTURE:</b> Patternmaking for knitwear design. <b>CLASSWORK:</b> Create patterns for four garments.	Work on pattern for four garments.
8/	Construct knit garments per designs	<b>PRESENTATIONS/CRITIQUE</b> Share homework for instructor approval <b>LECTURE:</b> Matching pattern to stitch plans. <b>CLASSWORK:</b> Finish patterns for four garments. Begin knitwear construction.	Finish first two garments
9/	Construct knit garments per designs	<b>CRITIQUE</b> Check in with instructor on first two garments. <b>LECTURE:</b> Blocking and shaping final garment. <b>CLASSWORK:</b> Continue knitwear construction.	Finish final two garments
10/	Construct knit garments per designs	<b>CRITIQUE</b> Check in with instructor on final two garments. <b>LECTURE:</b> Blocking and shaping final garment. <b>CLASSWORK:</b> Finish garments; block and shape.	Block and shape garments. Correct patterns and stitch plans
11/	Create production specifications	<b>CRITIQUE</b> Check in with instructor on garments. <b>LECTURE:</b> Creating production specs.	Finish production specs, presentation boards. Get ready for final presentation.

		<b>CLASSWORK:</b> Create production specs, presentation boards.	
<b>12/</b>	Final presentation	<b>PRESENTATIONS:</b> Final project critique with garments, presentation board, spec package, cost sheet.	<b>Notebooks/production specs, illustrations on boards, garments due at end of class</b>