

## GRADING – AD334

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

**Course description:** Use slopers to learn the basic principles of changing pattern sizes: How to increase and decrease sizes. Learn government standards for grade rules. Apply these principles to pants, skirts, sleeves and bodices. Grade these to different sizes. Create grade rules for cardinal points. Apply to knits and wovens. Learn how to set up a marker – a layout of all pattern pieces ready for cutting – for best use of fabric.

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

- Create spreadsheets with proper cardinal points, measurements and process allowances for each grade on a given garment.
- Create accurate grade rules for various garments
- Be ready to create size runs for various garments.

**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.
- Develop talents in solving problems and meeting professional standards

**Prerequisites:** Pattern 3 (AD231)

**Recommended text:** *Concepts of Pattern Grading: Techniques for Manual and Computer Grading*, Mullet, Kathy, Fairchild, 2013 (ISBN: 9781563676970)

**Required supplemental materials:**

- Two or three final patterns from Pattern 3 or 4 or any pattern the student has made without seam allowances and on tag.
- 2"x18" clearview ruler
- Armhole, neckhole, hip and Variform (24") curves
- Seam gauge
- Mars Staedler white eraser
- Pencils, hard lead or mechanical and soft lead #2 plus a variety of at least four colored pencils
- Contractor's calculator

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

**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 %
4 class projects	40 %
Final grade rules	20 %
Final grading project	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/	<p>Introductions. Tools. Terminology. Process. Objectives &amp; goals. Working with Cartesian graphs Grading wovens: bodices</p>	<p><b>Bring supplies to every class.</b> <b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Terms and jargon</li> <li>• History of sizing and grading</li> <li>• ASTM research</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Comparative analysis of grade rules,</li> </ul> <p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Setting up the Cartesian graph</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Create Cartesian graphs for all exercises</li> <li>• Working with the X, Y axes</li> <li>• Setting process: Increase and decrease sizes while retaining the shape and look of the garment</li> </ul> <p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Rules for bodices</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Set up Cartesian graph for bodice sloper</li> <li>• Grade bodice front and back to five sizes</li> </ul>	<p>Read Chapter 1,2</p> <p>Read Chapter 3</p> <p>Finish Project 1: bodice grade Read Chapter 4</p>
2/	<p>Grading wovens: - sleeves - skirts - pants</p>	<p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Rules for sleeves</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Evaluate bodice grade</li> <li>• Set up Cartesian graph for sleeve sloper</li> <li>• Grade two sleeve slopers to five sizes</li> </ul> <p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Rules for skirts</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Evaluate sleeve grades</li> <li>• Set up Cartesian graph for skirt sloper</li> <li>• Grade skirt slopers front and back to five sizes</li> </ul> <p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Rules for pants</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Evaluate skirt grade</li> <li>• Set up Cartesian graph for pants sloper</li> <li>• Grade pants sloper front and back to five sizes</li> </ul>	<p>Finish Project 2: sleeve grade</p> <p>Read Chapter 5 Finish Project 3: skirt grade</p> <p>Read Chapter 6 Finish Project 4: pants grade</p> <p>Read Chapter 7</p>
3/	Grading knits	<p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Rules for knits</li> </ul> <p><b>IN CLASS WORK:</b></p> <ul style="list-style-type: none"> <li>• Set up Cartesian graph for knit top</li> <li>• Grade top front, back and sleeve to five sizes</li> </ul>	Finish Project 5: knits grade
4/	Creating grade rules	<p><b>SUPERVISED LAB:</b></p> <ul style="list-style-type: none"> <li>• Correct previous grades.</li> <li>• Choose final project</li> <li>• Create grade rules for final project</li> </ul>	<b>Prep for final project</b>
5/	Grading final project	<p><b>SUPERVISED LAB:</b></p> <ul style="list-style-type: none"> <li>• Grade final project</li> </ul>	
6/	Markers & Optitex	<p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Creating markers</li> </ul> <p><b>SUPERVISED LAB:</b></p> <p>Finish final project Layout marker</p> <p><b>LECTURE &amp; DEMO</b></p> <ul style="list-style-type: none"> <li>• Computer grading &amp; marking in Optitex</li> </ul>	<b>Revised grades, final project due at end of class</b>

