

ATD361 -- FLATS & TECHNICAL PACKAGES

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

Course Description: Skill development in creating technical flats, technical packs, specs and CAD drawings.

Course Objectives: Students will create to industry standards:

- Two-dimensional drawings (called “flats”).
- Enlarged drawings (called “call-outs”) to show construction details.
- Colors and prints on the drawings quickly and effectively to show the proper placement of images on the garment.
- Specification charts (called “specs”) in Excel and know the proper places and proper way to take measurements.
- Technical packages (called “tech packs”).

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

- Demonstrate ability to effectively use graphics in fashion, textile and apparel design.
- Devise a systematic approach for creating vector and raster images.
- Demonstrate effective use of Adobe Illustrator tools.
- Render technical drawings that correctly reflect a designer’s vision.
- Quickly and effectively create call outs to show proper construction details.
- Correctly show textures and color details.

Prerequisites: Adobe (AD261)

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

Required text: *The Spec Manual*, Bryant, Michele Wesen and Diane DeMers; 2nd edition, 2005 ISBN-13: 978-1563673733

Supplies

- Apple/PC laptop loaded with CS4 or above
- USB device (2 GB recommended)
- Sketchbook for note taking & drawing

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 %
Class projects (9)	50%
Final project	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

This syllabus is subject to change at the instructor's discretion.

WEEK/DATE	TOPIC	ACTIVITY	ASSIGNMENTS
1/	Introductions. Terminology. Process. Goals and Objectives	Bring supplies to every class. LECTURE: Why do we have tech sketches, spec packs and tech packs Proportions!! Starting a technical flat from start Guidelines are your friends! Front, Back and Side Views CLASSWORK: Project #1: Draw a t-shirt Front, Back and Side Views Creating action buttons Selection tools	Bring in a skirt and jacket for next week's in class project. Complete project #1 for instructor review
2/	Industry standards & actions	LECTURE: Industry Standards Outlines Design Lines Details Stitching Proportions CLASSWORK: Project #2: Sketch Skirt and Jacket	Set up excel spreadsheets Complete project #2 for instructor review
3/	Using croquis & proportions	LECTURE: Using a croquis to set up spec sheets for each style of garment. CLASSWORK: Project #3: Take measurements from last week's assignment, plug them into Excel spreadsheet	Complete project #3 for instructor review
4/	Trims and details	LECTURE: Ribbing Creating pattern brushes Different trim treatments Tags	Complete project #4 for instructor review

		<p>Creating clipping masks Live Paint</p> <p>CLASSWORK: Project #4: Add trims and details to Project #2</p>	
5/	Spec measurements	<p>LECTURE: What is a Spec Pack How to take measurements for a Spec Pack How a Spec Pack and a Tech Pack work together What is a Tech Pack? How is it important to the industry Its anatomy Using layers</p> <p>CLASSWORK: Project #5: Create a spec and tech pack for project #2.</p>	Complete project #5 for instructor review
6/	Create call outs & color ups	<p>LECTURE: Call outs Color ups Industry button and zipper measurements</p> <p>CLASSWORK: Project #6: Create detail sketches for Project #2</p>	Complete project #6 for instructor review
7/	Costing and cost sheets	<p>LECTURE: Costing</p> <p>CLASSWORK: Project #7: Create costing sheet for Project #2; add to tech pack.</p>	Complete project #7 for instructor review
8/	Construction standards	<p>LECTURE: Construction standards</p> <p>CLASSWORK: Project #8: Matching details in garments to operation sheets; add to tech pack.</p>	Complete project #8 for instructor review
9/	CAD sheets	<p>LECTURE: What is a CAD Color up sketches Using the alignment tools</p> <p>CLASSWORK: Project #9: Create a CAD and CAD page with garment description, color call outs and size range.</p>	Complete project #9 for instructor review
10/	Merging tech packs	<p>LECTURE: Combine tech & spec packs, costing sheets Save as a PDF Save for the web, so it can be sent overseas</p> <p>CLASSWORK: Design own ensembles for 3 tech packs. Use the techniques learned in class to create a flats, spec and costing sheets for a portfolio. Add call outs, detail sketches and measurement specifications. Add color for CADs.</p>	Work on 3 personal designed tech packs for final review.
11/	Prepare 3 spec packs	<p>LECTURE Portfolio preparation</p> <p>LAB Finish technical packages from start to finish with all details</p>	Spec packs due next week
12/	Final	PROFESSIONAL CRITIQUE	Portfolio preparation