KINGSBOROUGH COMMUNITY COLLEGE
DEPARTMENT OF BUSINESS

FD 13 Computerized Fashion Design Syllabus
3 Credits, 3 hours (lab as required)
Prerequisites: FD11 FD21, BA60 (FD majors)
BA 60 (FM majors)
Required for AAS degree in Fashion Design

Required Text: Adobe Photoshop for Fashion Design by Susan Lazear, Prentice Hall. ISBN: 0-13-119193-4

Description:

This is an advanced Fashion Design course, and is required for all Fashion Design majors.
The course is a computer lab course that covers various computer programs used by designers to create their designs. Optitexs PDS and Runway are the central programs covered. Along with these programs, which create and adjust patterns and 3d illustrations, Adobe Photoshop and Adobe Illustrator will be covered. The fundamental uses of a pressure sensitive stylus are the first topics covered.

The use of plugin programs to draw various garment silhouettes on a computer croquis, as well as garment construction details are covered. Fabric pattern rendering, as well as color are another focus of this course.

Students will learn all of the basic manipulation techniques used in Optitex to create pattern elements. They will print their finished patterns and cut and sew them to check for accuracy and fit.   They will also learn to use the digitizer to input their draped pattern work into digital form. Digitized patterns will then be corrected and manipulated.

The students finished designs will be printed in high resolution for inclusion in their individual portfolios. Finished design sketches will also be posted on the programs website.

Student's grades will be determined by the quality of the designs created on the computer. Assignments will include: sportswear, evening-wear, pants, co-ordinates, and activewear.
Criteria for designs will be: general aesthetics, silhouette, commercial viability, fashion currency, fabric and color choices, and trend currency.

Rationale:
This course is required for all Fashion Design majors. The industry demands computer literacy, and analysis of the curricula of various other schools indicates a computer course is essential.
Traditionally, designers have either sketched or draped their ideas. The advent of computers and CAD, now offers designers a third option for creating their

designs. The goal of this program is to provide our graduates with skills in all three areas, and enable them to choose the method they are most comfortable with, once they have become acquainted with all three.

The registration of this course is limited to the number of computers equipped with pressure sensitive styli, and the number of site licenses for the software programs used. It is a requirement for all Fashion Design Majors, and is an elective for Fashion Merchandising majors. The prerequisites of FD 11 and 21 will be waived for FM majors ONLY.

Outcomes:

1- Generate patterns using Optitex PDS software.

2-Manipulate and adjust patterns in PDS.

3- Plot and cut patterns in PDS.

4-Scan muslin patterns into PDS using the digitizer.

5-Correct and adjust digitized patterns.

6- Use Runway to create 3D visualizations of designs.

7-Generate full color renderings of designs created in PDS.

8- Use Photoshop in design development and sketch presentation.

9-Use Adobe Illustrator to produce design flats, and render patterned fabric.

10- Master the use of a pressure sensitive tablet in all three programs.

11- Use all programs to create inspiration boards for presentation or design creation.

12- Manipulate and adjust patterns using drafting techniques in PDS

Course Structure:

This is a computer lab course. The instructor will demonstrate various program functions, and each student will then duplicate the function on their machine. The instructor will verify comprehension by circulating among the students and viewing their screens.

Once the basics have been mastered, the instructor will give the class an assignment (eg: design a co-ordinated blouse and skirt outfit for Fall in natural fibers), and each student will produce their own original design solution. The assignments will form the basis for the student's grade.

<u>Grading</u>

Graded assignments in all three programs will be assigned throughout the year, and will be the basis for grades. Quizzes on the computer in M119 will also be administered. Term projects are at the discretion of the professor.

- **Academic Dishonesty:** You are expected to do your own work. If you cheat or copy someone else's work (or allow yours to be copied) you will be graded with ZERO or course failure. (KCC's plagiarism policy is at www.kingsborough.edu.)
- **Civility** and respect for others is essential in an academic environment. Any acts of harassment and/or discrimination based on race, gender, age, sexual orientation, religion, or ability will not be tolerated.
- **Electronics:** Your cell phone <u>MUST</u> be silent during class (and turned <u>OFF</u> during exams)! No texting! Any laptop/netbooks MUST BE USED solely for note-taking.
- **Access-Ability Services AAS (D205, 718-368-5175)** provides appropriate accommodations and assistance to students with disabilities. Please contact them if needed.