LAB: Fashion and Technology | spring 2010

(Please note this outline may be revised as the semester progresses.)

Feb 2	Feb 9	Feb 16	Feb 23	Mar 2	Mar 9	Mar 16
week 1	week 2	week 3	week 4	week 5	week 6	week 7
• Introductions • Review: syllabus requirements school resources online resources tools materials • fashiontechlab.tumblr.com • skills survey • new material research	**Look at tumblr posts** **Intro Lecture** **Intro to Photoshop + digital scanning**	**Textile Pattern Design in Photoshop**	**Textile Pattern Design in Illustrator**	**Engineered Prints**	**Finish Textile Pattern Designs** **Color matching** **Prep files for outsourced digital textile printing** **Overview of industry software**	**3D + Output Technologies** 3D, CNC, Laser cutting **2D – 3D project** **Pattern scanning and plotting** **Possible field trip**
homework	**homework**	**homework**	**homework**	**homework**	**homework**	**homework**
Join class tumblr and post research: Find a project that integrates technology, such as innovative fabrics, interactivity (etc) and post with a short description **Get authorized for the lasercutter ASAP** **Sullivan 12th floor @ Advanced Output Center**	**Post research:** Research materials and post choice on which one you wish to research. Remember a sample will be required of the material and those usually take time to arrive. **Scan in 3 sketches to work on next class for pattern design in photoshop**	**Post research:** Research Textile Pattern Designs Bring in sketches of pattern motifs to scan and work on in Illustrator	**Post research:** Identify possible technology + techniques to be used **Scan in pattern pieces for engineered prints** **Use large scanner @ the AOC**	**Post research:** Post images of your textiles pattern design with varying colorways **COLOR PRINT: swatches that you are planning on printing** **You can use self service at the service bureau SHARP 11th floor**	**Post research:** Post images of your textiles pattern design with varying colorways	**Post research:** Material report due next class See syllabus for details

Mar 23	Mar 30	Apr 6	Apr 13	Apr 20	Apr 27	May 11
week 8	week 9	week 10	week 11	week 12	week 13	week 14
New Material Reports Due Present research and material samples to class **3D + Output Technologies** 3D, CNC, Laser cutting **2D – 3D project** **Pattern scanning and plotting**	**3D + Output Technologies** **Work on 2D – 3D project**	**2D – 3D project DUE** **Electronics Lab** **Soft Circuits** • Electronics basics • Electronics demos • Breadboard prototyping Reading a datasheet Create 1st soft circuit **Meet in Michigan 426**	**Lilypad Arduino 1** **Sensors Lab 1** Insulation of circuits Power for wearables (Batteries, Solar Cells…) Create soft switch + integrate with microcontroller **Meet in Michigan 426**	**Sensors Lab 2** Intro to integrating sensors Start on projects **Meet in Michigan 426**	**Lab work time** Demos One-on-one sessions Project Troubleshooting **Meet in Michigan 426**	**Project presentations & Binders due** **Meet in Michigan 426**
homework	**homework**	**homework**	**homework**	**homework**	**homework**	**homework**
Post research: project sketches for 2D – 3D project	**Post research:** Post final 2D-3D project images	**Post sketch:** Design a soft switch that is intended for a particular type of interaction.	**Post sketch:** Document project progress	**Post sketch:** Document project progress	**Post sketch:** Document project progress	*Relax and have a wonderful summer!!!*

NO CLASS: May 4, 2010 ***Critique Week***