

Soft Fabrication Skills

CMU Micro-course

Co-Instructors:

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Overview

This course aims to provide hands-on experience and knowledge on the process of working with textiles and soft fabrication techniques to be applied across different disciplines.

The fabrication skills and concepts that will be covered in this course will be taught from an interdisciplinary approach to merge practices in arts and technology. Students will learn methods of sculpting with fabric, along with merging aspects of digital fabrication and physical computing using flexible materials.

Class Structure

- Saturday 3/25, 4/1, 4/8, 9 am - 2:50 pm
(break @ 12 pm for lunch)
- Demo and discussions (3 hrs)
- Open Lab (2 hrs)
- Deliverables: Sample book and project (due April 15th)

Syllabus and slides:

www.jenliujenliu.com/softfabrication.html

Sample Book

- Collection of different techniques and samples that can be used as a reference tool
- 1" binder + plastic sheets



Project

For the final project, students will further investigate a skill covered or create a project proposal that incorporates techniques from the class.

http://ideate.xsead.cmu.edu/users/sign_in

Due: Saturday, April 15th

IDEATE gallery documentation

Proposal Option: You will create a proposal for a project that utilizes techniques or concepts covered in the class. This project could be for another class or be for personal inquiry. Make sure to include:

- Sketches
- Write up of materials
- Techniques and Concepts used

Skill Investigation Option: You will learn a new textile skill and create a sample to show what you have learned. This skill could be one that we discussed in class (but did not cover in a demo) or one for personal inquiry. Make sure to include:

- Photos of your sample
- What resources and guides used
- What materials used
- Possible applications